

**Table 1**  
**Summary of Proposed Financial Assurance**  
**CWM Chemical Services, LLC**  
**Model City Facility**  
**Model City, New York**

**Closure Cost Estimate Summary**

| No.  | Facility Activity Area                  | Proposed Total Cost: Base = 2010 Offsite Waste Disposal |
|------|---|---|
| 1.0  | PCB Warehouse                           | \$1,001,965   |
| 2.0  | Drum Management Building                | \$962,097   |
| 3.0  | Fuels & PCB Management Area             | \$220,984   |
| 4.0  | Stabilization Area                      | \$1,227,316   |
| 5.0  | AWTS & CSAs                             | \$1,278,786   |
| 6.0  | FAC Ponds                               | \$10,269,970  |
| 7.0  | CSA 29 (Truck Wash Building)            | \$18,509  |
| 8.0  | CSA 11 (South Trailer Parking)          | \$553,363   |
| 9.0  | Surface Impoundments (Closed)           | \$0   |
| 10.0 | Laboratories                            | \$98,793  |
| 11.0 | Roadways                                | \$37,195  |
| 12.0 | Site Monitoring (during closure)        | \$259,187   |
| 13.0 | 3rd Party Leach. Trt't (during closure) | \$988,460   |
| 14.0 | Residuals Management Unit - 1           | \$5,712,815   |
|      | <b>Totals</b>                           | <b>\$22,629,438</b>                                     |

**Post-Closure Cost Estimate Summary**

| No.   | Facility Activity Area        | Proposed Post-Closure One Year Cost: Base = 2010 | Post Closure Period | Proposed 30-Year Post Closure Costs |
|-------|-------------------------------|--|---------------------|-------------------------------------|
| PCC-1 | SLF 1 - 6 (Post Cl)           | \$611,261  | 30                  | \$18,337,820                        |
| PCC-2 | SLF 7 (Post Cl)               | \$243,792  | 30                  | \$7,313,752                         |
| PCC-3 | SLF 10 (Post Cl)              | \$231,706  | 30                  | \$6,951,166                         |
| PCC-4 | SLF 11 (Post Cl)              | \$323,147  | 30                  | \$9,694,415                         |
| PCC-5 | SLF 12 (Post Cl)              | \$248,737  | 30                  | \$7,462,111                         |
| PCC-6 | Resid Mgmt Unit 1 (Post Cl)   | \$300,564  | 30                  | \$9,016,922                         |
| PCC-7 | Lagoons/Salts Areas (Post Cl) | \$36,015   | 30                  | \$1,080,444                         |
| PCC-8 | Process Tank Area (Post Cl)   | \$40,469   | 30                  | \$1,214,055                         |
| CM-1  | Corrective Measures (Post Cl) | \$426,828  | 30                  | \$12,804,855                        |
|       | <b>Totals</b>                 | <b>\$2,462,518</b>                               | <b>n/a</b>          | <b>\$73,875,541</b>                 |

|   |                      |
|---|----------------------|
| <b>Closure</b>                                | <b>\$22,629,438</b>  |
| <b>Post-Closure &amp; Corrective Measures</b> | <b>\$73,875,541</b>  |
| <b>Subtotal</b>                               | <b>\$96,504,979</b>  |
| <b>Adjusted for inflation 2010-2011</b>       | <b>\$98,564,770</b>  |
| <b>Plus General Contingency</b>               | <b>\$1,435,230</b>   |
| <b>Total Proposed Financial Assurance</b>     | <b>\$100,000,000</b> |

The US Department of Commerce - Bureau of Economic Analysis updated the National Income and Product Accounts Table 1.1.9. Implicit Price Deflators for Gross Domestic Product on May 31, 2012 for the year 2011. An implicit deflator and an adjustment for inflation has been applied to the cost estimate.  
<http://www.bea.gov/national/nipaweb/>

**Implicit Price Deflators for Gross Domestic Product**

$$2012 \text{ Rate} = 113.327 (2011 \text{ GDP}) \div 110.992 (2010 \text{ GDP}) =$$

|      |         |           |
|------|---------|-----------|
| 2011 | 113.361 | Inflation |
| 2010 | 110.992 | Factor    |
|      |         | 1.021     |

## **CLOSURE COST ESTIMATE**

**Closure Cost Estimate Summary**  
**CWM Chemical Services, LLC**  
**Model City Facility**  
**Model City, New York**

| <b>No.</b> | <b>Facility Activity Area</b>    | <b>Proposed Total<br/>Cost: Base = 2011<br/>Offsite Waste<br/>Disposal</b> |
|------------|----------------------------------|--|
| 1.0        | PCB Warehouse                    | \$1,001,965  |
| 2.0        | Drum Management Building         | \$962,097  |
| 3.0        | Fuels & PCB Management Area      | \$220,984  |
| 4.0        | Stabilization Area               | \$1,227,316  |
| 5.01       | AWTS (CSAs 24/25/26)             | \$49,170   |
| 5.02       | AWTS (CSA 30)                    | \$15,588   |
| 5.03       | AWTS (CSA 31)                    | \$4,209  |
| 5.04       | AWTS (CSA 32)                    | \$3,456  |
| 5.05       | AWTS (CSA 33)                    | \$44,542   |
| 5.06       | AWTS (inside w/10 tanks)         | \$53,048   |
| 5.07       | AWTS (i/s Sol Sep w/2 tanks)     | \$6,650  |
| 5.08       | AWTS (o/s north AWT w/3 tnks)    | \$133,887  |
| 5.09       | AWTS (o/s west AWT w/1 tank)     | \$68,834   |
| 5.10       | AWTS (o/s east AWT w/4 tnks)     | \$216,473  |
| 5.11       | AWTS (i/s ww trt bldg w/4 tnks)  | \$48,336   |
| 5.12       | AWTS (o/s sou ww trt w/1 tank)   | \$13,913   |
| 5.13       | AWTS (o/s eas ww trt w/4 tnks)   | \$15,409   |
| 5.14       | AWTS (nor SLF 1 - 6 w/2 tanks)   | \$32,445   |
| 5.15       | AWTS (i/s betw slf 7&11 w/3 tk)  | \$16,799   |
| 5.16       | AWTS (i/s A n/w SLF 10 w/2 tk)   | \$7,841  |
| 5.17       | AWTS (i/s A east LTF w/2 tnks)   | \$41,386   |
| 5.18       | AWTS (i/s A s/e SLF12 w/1 tnk)   | \$8,111  |
| 5.19       | AWTS (i/s former o/w sep w/1 tk) | \$20,745   |
| 5.20       | AWTS (i&o/s rmu-1 w/2 tks)       | \$110,965  |
| 5.21       | AWTS (o/s leachtnkfrm w/4 tks)   | \$231,166  |
| 5.22       | AWTS (stab mix pit tanks) (1)    | \$87,670   |
| 5.23       | AWTS (stab aqueous tanks)        | \$20,628   |
| 5.24       | AWTS (i/s trk wash bldg w/1 tk)  | \$3,692  |
| 5.25       | AWTS (i/s A west AWT w/2 tks)    | \$7,928  |
| 5.26       | AWTS (i/s A sou SLF 3 w/1 tnk)   | \$2,649  |
| 5.27       | AWTS (i/s A sou SLF 10 w/1 tk)   | \$2,149  |
| 5.28       | AWTS (i/s A east SLF12 w/1 tk)   | \$2,149  |
| 5.29       | AWTS (i/s A sou PCBwh w/1 tk)    | \$2,569  |
| 5.30       | AWTS (i/s TO Build w/1 tk)       | \$2,626  |

**Closure Cost Estimate Summary**  
**CWM Chemical Services, LLC**  
**Model City Facility**  
**Model City, New York**

| <b>No.</b> | <b>Facility Activity Area</b>           | <b>Proposed Total<br/>Cost: Base = 2011<br/>Offsite Waste<br/>Disposal</b> |
|------------|---|--|
| 5.31       | AWTS (i/s A sou Full Trailer w/1 tk)    | \$3,752  |
|            | subtotal - 5.0 AWTS CSAs                | \$1,278,786  |
| 6.0        | FAC Ponds                               | \$10,269,970   |
| 7.0        | CSA 29 (Truck Wash Building)            | \$18,509   |
| 8.0        | CSA 11 (South Trailer Parking)          | \$553,363  |
| 9.0        | Surface Impoundments (Closed)           | \$0  |
| 10.0       | Laboratories                            | \$98,793   |
| 11.0       | Roadways                                | \$37,195   |
| 12.0       | Site Monitoring (during closure)        | \$259,187  |
| 13.0       | 3rd Party Leach. Trt't (during closure) | \$988,460  |
| 14.0       | Residuals Management Unit - 1           | \$5,712,815  |
|            |   |  |
|            | <b>Totals</b>                           | <b>\$22,629,438</b>  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

1.0 PCB Warehouse

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|--|---|---|---|
| <b>1.1 Inventory Verification</b>         |                    |                 |            |  |   | production rate = two persons req'd @ average of two drums/minute/crew with a 10-min break/hour |   |
| Laborer                                   | 27.3               | hours           | \$39.00    | \$1,065                                  | \$1,065                                   | 2726 drums @ 100 drums/hr/£ 27.3 hours @ 1 units/crew = 27.3 hours                              | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification         |                    |                 |            | <b>\$1,065</b>                           | <b>\$1,065</b>                            |   | (note: labor rate provided by local contractor)           |
| (Subt: Assemblies 1.1 thru 1.1)           |                    |                 |            | <b>\$1,065</b>                           | <b>\$1,065</b>                            | survey and inventory of maximum capacity of PCB Warehouse activity                              |   |
| <b>1.2 Load PCB Solids Drums</b>          |                    |                 |            |  |   | production rate = 80 drums/hour/person; Facility experience                                     |   |
| Laborer                                   | 34.2               | hours           | \$39.00    | \$1,334                                  | \$1,334                                   | 1363 drums @ 80 drums/hr = 17.0 hours @ 2 units/crew = 34.2 hours                               | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                                  | 17.1               | hours           | \$22.21    | \$380                                    | \$380                                     | 1363 drums @ 80 drums/hr = 17.0 hours @ 1 units/crew = 17.1 hours                               | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)                  | 17.1               | hours           | \$6.26     | \$107                                    | \$107                                     | 1363 drums @ 80 drums/hr = 17.0 hours @ 1 units/crew = 17.1 hours                               | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load PCB Sol Drms to L'Fill        |                    |                 |            | <b>\$1,821</b>                           | <b>\$1,821</b>                            |   |   |
| <b>1.3 Transport to Onsite Landfill</b>   |                    |                 |            |  |   | assumes on-site disposal  |   |
| Road Tractor (4 x 2, 30-ton)              | 8.5                | hours           | \$32.45    | \$0                                      | \$276                                     | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/load = 8.5 hours                               | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                    | 8.5                | hours           | \$45.00    | \$0                                      | \$383                                     | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/load = 8.5 hours                               | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)                  | 8.5                | hours           | \$6.26     | \$0                                      | \$53                                      | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/load = 8.5 hours                               | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transp Drms to Onsite L'Fill       |                    |                 |            | <b>\$0</b>                               | <b>\$712</b>                              |   |   |
| <b>1.4 Unload PCB Solids Drums/L'Fill</b> |                    |                 |            |  |   | assumes on-site disposal: production rate = 80 drums/hour/person; Facility experience           |   |
| Laborer                                   | 34.2               | hours           | \$39.00    | \$0                                      | \$1,334                                   | 1363 drums @ 80 drums/load = 17.1 loads @ 2 units/crew = 34.2 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                                  | 17.1               | hours           | \$22.21    | \$0                                      | \$380                                     | 1363 drums @ 80 drums/load = 17.1 loads @ 1 units/crew = 17.1 hours                             | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)                  | 17.1               | hours           | \$6.26     | \$0                                      | \$107                                     | 1363 drums @ 80 drums/load = 17.1 loads @ 1 units/crew = 17.1 hours                             | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Drms at Onsite L'Fill       |                    |                 |            | <b>\$0</b>                               | <b>\$1,821</b>                            |   |   |
| <b>1.5 Offsite Disp:PCB Solids Drm</b>    |                    |                 |            |  |   | assumes off-site land disposal; 80 drms/load  |   |
| Offsite Transportation                    | 6583.5             | miles           | \$3.50     | \$23,042                                 | \$0                                       | 1363 drums @ 80 drums/ld = 17.1 loads @ 385 miles/trip = 6583.5 miles                           | Rate: transporters quote/site experience                  |
| Offsite Disposal - Landfill               | 1363               | drums           | \$100.00   | \$136,300                                | \$0                                       | 1363.00 drums   | HWC/ETC 2004 & CWM 2011                                   |
| Subt - Offsite Disp:PCB Solids Drm        |                    |                 |            | <b>\$159,342</b>                         | <b>\$0</b>                                |   |   |
| (Subt: Assemblies 1.2 thru 1.5)           |                    |                 |            | <b>\$161,163</b>                         | <b>\$4,353</b>                            | loading, off-site transporting, and off-site disposal of drummed PCB solids                     |   |
| <b>1.6 Load Drums for Bulking</b>         |                    |                 |            |  |   | production rate = 80 drums/hour; facility experience  |   |
| Laborer                                   | 34.2               | hours           | \$39.00    | \$1,334                                  | \$1,334                                   | 1363 drums @ 80 drums/hr = 17.1 hours @ 2 units/crew = 34.2 hours                               | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                                  | 17.1               | hours           | \$22.21    | \$380                                    | \$380                                     | 1363 drums @ 80 drums/hr = 17.1 hours @ 1 units/crew = 17.1 hours                               | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)                  | 17.1               | hours           | \$6.26     | \$107                                    | \$107                                     | 1363 drums @ 80 drums/hr = 17.1 hours @ 1 units/crew = 17.1 hours                               | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Drums for Bulking             |                    |                 |            | <b>\$1,821</b>                           | <b>\$1,821</b>                            |   |   |
| <b>1.7 Transport to Onsite Bulking</b>    |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel   |   |
| Road Tractor (4 x 2, 30-ton)              | 8.5                | hours           | \$32.45    | \$276                                    | \$276                                     | 1363 drums @ 80 drum/load = 17.1 loads @ 0.5 hours/trip = 8.5 hours                             | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                    | 8.5                | hours           | \$45.00    | \$383                                    | \$383                                     | 1363 drums @ 80 drum/load = 17.1 loads @ 0.5 hours/trip = 8.5 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)                  | 8.5                | hours           | \$6.26     | \$53                                     | \$53                                      | 1363 drums @ 80 drum/load = 17.1 loads @ 0.5 hours/trip = 8.5 hours                             | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transport Drums to Bulking         |                    |                 |            | <b>\$712</b>                             | <b>\$712</b>                              |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

1.0 PCB Warehouse

| Basic Closure Activities: Direct Costs                               | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                               | In-house Pricing References                                  |
|--|--------------------|-----------------|------------|--|---|--|--|
|  |                    |                 |            |  |   |  |  |
| <b>1.8 Unload Drums for Bulking</b>                                  |                    |                 |            |  |   | production rate = 80 drums/hour; facility experience                                   |  |
| Laborer  | 34.2               | hours           | \$39.00    | \$1,334                                  | \$1,334                                   | 1363 drums @ 80 drums/hr = 17.1 hours @ 2 units/crew = 34.2 hours                      | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Forklift   | 17.1               | hours           | \$22.21    | \$380                                    | \$380                                     | 1363 drums @ 80 drums/hr = 17.1 hours @ 1 units/crew = 17.1 hours                      | RSM/HC p. 470 (line item 01 54 33 40 2020)                   |
| Flatbed Trailer (40-ton)   | 17.1               | hours           | \$6.26     | \$107                                    | \$107                                     | 1363 drums @ 80 drums/hr = 17.1 hours @ 1 units/crew = 17.1 hours                      | RSM/HC p. 472 (line item 01 54 33 40 6600)                   |
| Subt - Unload Drums for Bulking<br>(Subt: Assemblies 1.6 thru 1.8)   |                    |                 |            | <b>\$1,821</b>                           | <b>\$1,821</b>                            |  |  |
|  |                    |                 |            | <b>\$4,353</b>                           | <b>\$4,353</b>                            | loading, onsite transporting, and unloading of drummed PCB liquids/sludges for bulking |  |
|  |                    |                 |            |  |   |  |  |
| <b>1.9 Bulk Liquids into Tankers</b>                                 |                    |                 |            |  |   | prod'n rate = facility estimate = 5 min/drum (bulking only); employs a 2-person crew   |  |
| Laborer  | 26.7               | hours           | \$39.00    | \$1,041                                  | \$1,041                                   | 160 drums @ 12 drums/hr = 13.3 hours @ 2 units/crew = 26.7 hours                       | two laborers; rate 2011 3rd party quote                      |
| Pumping Equipment  | 13.3               | hours           | \$71.47    | \$951                                    | \$951                                     | 160 drums @ 12 drums/hr = 13.3 hours @ 1 units/crew = 13.3 hours                       | RSM/UP p. 9-171 (line item 33-19-0108)                       |
| Tank Trailer (5,000 Gallons)   | 0                  | hours           | \$6.31     | \$0                                      | \$0                                       |  | T&D rate below includes tanker                               |
| Decon Drums (no decon performed)                                     | 0                  | drums           | \$0.00     | \$0                                      | \$0                                       | 0 drums  |  |
| Subt - PCB Liquids into Tankers                                      |                    |                 |            | <b>\$1,992</b>                           | <b>\$1,992</b>                            |  |  |
|  |                    |                 |            |  |   |  |  |
| <b>1.10 Transport Liquids Offsite</b>                                |                    |                 |            |  |   | capacity per 5,000-gal tanker = ninety (90) 55-gal drums                               |  |
| Transport in 5,000 Gal Tanker  | 3058               | miles           | \$3.50     | \$10,703                                 | \$10,703                                  | 160 drums @ 90 drm/tankr = 1.8 (↑2) loads @ 1529 miles/trip = 3058 miles               | Rate: transporters quote/site experience                     |
| Subt - Offsite Transp/PCB Liquids                                    |                    |                 |            | <b>\$10,703</b>                          | <b>\$10,703</b>                           |  |  |
|  |                    |                 |            |  |   |  |  |
| <b>1.11 Offsite Liquids Disposal</b>                                 |                    |                 |            |  |   | incineration of liquid PCB wastes  |  |
| Disposal Cost (Incin PCB Liquids)                                    | 8800               | gallons         | \$4.68     | \$41,184                                 | \$41,184                                  | 160 drums @ 55 gal/drum = 8800 gallons   | HWC/ETC 2004 & Current third party rate                      |
| Subt - Offsite Liquids Disposal<br>(Subt: Assemblies 1.9 thru 1.11)  |                    |                 |            | <b>\$41,184</b>                          | <b>\$41,184</b>                           |  |  |
|  |                    |                 |            | <b>\$53,879</b>                          | <b>\$53,879</b>                           | bulking and off-site transportation and disposal of PCB liquids                        |  |
|  |                    |                 |            |  |   |  |  |
| <b>1.12 Bulk Sludges for Offsite T&amp;D</b>                         |                    |                 |            |  |   | prod'n rate = facility estimate = 5 min/drum (bulking only); employs 2-person crew     |  |
| Laborer  | 200.6              | hours           | \$39.00    | \$7,823                                  | \$7,823                                   | 1203 drums @ 12 drums/hr = 100.3 hours @ 2 units/crew = 200.6 hours                    | one forklift oper plus one helper; rate 2011 3rd party quote |
| Forklift   | 100.3              | hours           | \$22.21    | \$2,228                                  | \$2,228                                   | 1203 drums @ 12 drums/hr = 100.3 hours @ 1 units/crew = 100.3 hours                    | RSM/HC p. 470 (line item 01 54 33 40 2020)                   |
| Dump Trailer (20 CY)   | 100.3              | hours           | \$5.20     | \$522                                    | \$522                                     | 1203 drums @ 12 drums/hr = 100.3 hours @ 1 units/crew = 100.3 hours                    | RSM/HC p. 469 (line item 01 54 33 20 5400)                   |
| Decon Drums (no decon performed)                                     | 0                  | drums           | \$0.00     | \$0                                      | \$0                                       | 0 drums  |  |
| Subt - Bulk PCB Sludges for T&D                                      |                    |                 |            | <b>\$10,573</b>                          | <b>\$10,573</b>                           |  |  |
|  |                    |                 |            |  |   |  |  |
| <b>1.13 Transport Sludges Offsite</b>                                |                    |                 |            |  |   | capacity per 22-ton dump trailer = eighty-eight (88) drums @ 500# per drum             |  |
| Truck Transport @ 88 drums/load                                      | 21406              | miles           | \$2.70     | \$57,796                                 | \$57,796                                  | 1203 drums @ 88 drum/load = 13.7 (↑14) loads @ 1529 miles/trip = 21406 miles           | Rate: transporters quote/site experience                     |
| Subt - Transport Sludges Offsite                                     |                    |                 |            | <b>\$57,796</b>                          | <b>\$57,796</b>                           |  |  |
|  |                    |                 |            |  |   |  |  |
| <b>1.14 Offsite Sludges Disposal</b>                                 |                    |                 |            |  |   | incineration of PCB sludges; 500Lb/drum facility estimate                              |  |
| Disposal Cost (Incin PCB Sludges)                                    | 601500             | pounds          | \$0.64     | \$384,960                                | \$384,960                                 | 1203 drums @ 500 lbs/drm = 601500 pounds   | Current CWM 2011 third party rate                            |
| Subt - Offsite Sludges Disposal<br>(Subt: Assemblies 1.12 thru 1.14) |                    |                 |            | <b>\$384,960</b>                         | <b>\$384,960</b>                          |  |  |
|  |                    |                 |            | <b>\$453,329</b>                         | <b>\$453,329</b>                          | bulking and offsite transportation and disposal of PCB sludges                         |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

1.0 PCB Warehouse

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|--|---|--|---|
| <b>1.15 Load Empty Drums</b>             |                    |                 |            |  |   | prod'n rate = 160 drums/hour (assume double the rate of full drums @ site experience)                |   |
| Laborer                                  | 17.0               | hours           | \$39.00    | \$663                                    | \$663                                     | 1363 drums @ 160 drums/hr = 8.5 hours @ 2 units/crew = 17.0 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                                 | 8.5                | hours           | \$22.21    | \$189                                    | \$189                                     | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew= 8.5 hours                                      | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40 ton)                 | 8.5                | hours           | \$6.26     | \$53                                     | \$53                                      | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew = 8.5 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Empty Drums                  |                    |                 |            | \$905                                    | \$905                                     |  |   |
| <b>1.16 Transp Drums to On-Site Shrd</b> |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel  |   |
| Road Tractor (4 x 2, 30-ton)             | 8.5                | hours           | \$32.45    | \$276                                    | \$0                                       | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/trip = 8.5 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                   | 8.5                | hours           | \$45.00    | \$383                                    | \$0                                       | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/trip = 8.5 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40 ton)                 | 8.5                | hours           | \$6.26     | \$53                                     | \$0                                       | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/trip = 8.5 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transport Drums to Shredder       |                    |                 |            | \$712                                    | \$0                                       |  |   |
| <b>1.17 Unload Empty Drums</b>           |                    |                 |            |  |   | prod'n rate = 160 drums/hour (assume double the rate of full drums @ site experience)                |   |
| Laborer                                  | 17.0               | hours           | \$39.00    | \$663                                    | \$0                                       | 1363 drums @ 160 drums/hr = 8.5 hours @ 2 units/crew = 17.0 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                                 | 8.5                | hours           | \$22.21    | \$189                                    | \$0                                       | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew== 8.5 hours                                     | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40 ton)                 | 8.5                | hours           | \$6.26     | \$53                                     | \$0                                       | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew = 8.5 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Empty Drums                |                    |                 |            | \$905                                    | \$0                                       |  |   |
| <b>1.18 Onsite Drum Shredding</b>        |                    |                 |            |  |   | prod'n = 80 drums/hour; debris shredded into rolloff   |   |
| Laborer                                  | 34                 | hours           | \$39.00    | \$1,326                                  | \$0                                       | 1363 drums @ 80 drums/hr = 16.6 hours @ 2 units/crew = 34.0 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Shredder                                 | 17.0               | hours           | \$329.70   | \$5,605                                  | \$0                                       | 1363 drums @ 80 drums/hr = 16.6 hours @ 1 unit/crew = 17.0 hours                                     | 2004 DEC Rate * Implicit Deflator                         |
| Rolloff (30-CY)                          | 17.0               | hours           | \$19.02    | \$323                                    | \$0                                       | 1363 drums @ 80 drums/hr = 16.6 hours @ 1 unit/crew = 17.0 hours                                     | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Onsite Drum Shredding             |                    |                 |            | \$7,254                                  | \$0                                       |  |   |
| <b>1.19 On-site Transp of Empty Drms</b> |                    |                 |            |  |   | Transport whole drums to onsite landfill for disposal: production rate = 0.5 hours for onsite travel |   |
| Road Tractor (4 x 2, 30-ton)             | 8.5                | hours           | \$32.45    | \$0                                      | \$276                                     | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/trip = 8.5 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                   | 8.5                | hours           | \$45.00    | \$0                                      | \$383                                     | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/trip = 8.5 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)                 | 8.5                | hours           | \$6.26     | \$0                                      | \$53                                      | 1363 drums @ 80 drums/load = 17.1 loads @ 0.5 hr/trip = 8.5 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transp Mat'l to Landfill          |                    |                 |            | \$0                                      | \$712                                     | Drums crushed in landfill  |   |
| <b>1.20 Unload Empty Drum</b>            |                    |                 |            |  |   | prod'n rate = 160 drums/hour (assume double the rate of full drums @ site experience)                |   |
| Laborer                                  | 8.5                | hours           | \$39.00    | \$0                                      | \$332                                     | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew = 8.5 hours                                     | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader (small)                           | 8.5                | hours           | \$14.39    | \$0                                      | \$122                                     | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew== 8.5 hours                                     | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Flatbed Trailer (40-ton)                 | 8.5                | hours           | \$6.26     | \$0                                      | \$53                                      | 1363 drums @ 160 drums/hr = 8.5 hours @ 1 units/crew = 8.5 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Drums at Landfill          |                    |                 |            | \$0                                      | \$507                                     |  |   |
| <b>1.21 Offsite Disp/Shred'd Drums</b>   |                    |                 |            |  |   | assumes off-site non-haz land disposal of shredded drums; 20 tons/load                               |   |
| Offsite Transportation                   | 5                  | miles           | \$3.25     | \$16                                     | \$0                                       | 13.6 tons @ 20 tons/load = 0.7 loads (↑1.0) @ 5 miles/trip = 5.0 miles                               | Rate: transporters quote/site experience                  |
| Offsite Disposal - Landfill              | 13.6               | tons            | \$35.00    | \$476                                    | \$0                                       | 1363 drums @ 20 lbs/drum = 13.6 tons @ 1 tons/CY = 13.6 CY   | Modern Disposal/Site Experience                           |
| Subt - Offsite Shrd'd Drums Disp'l       |                    |                 |            | \$492                                    | \$0                                       |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

1.0 PCB Warehouse

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                        | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|--|---|---|---|
| <b>1.21a Containment Pan Demolition</b>  |                    |                 |            |  |   | 2010 SW Permit Modification: 4 containment pans for 160 liquid drums            |   |
| Pan Demolition Lump Sum                  | 4                  | Each            | \$600.00   | \$2,400                                  | \$2,400                                   | 2,240 gals containment equivalent to 4-560 gal tank: unit rate = \$600/tank     | Site Experience   |
| Subt - Pan Demolition                    |                    |                 |            | <b>\$2,400</b>                           | <b>\$2,400</b>                            |   |   |
|  |                    |                 |            |  |   |   |   |
| <b>1.21b On-site Transp of Pans</b>      |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel: 470 SF/pan                       |   |
| Road Tractor (4 x 2, 30-ton)             | 0.5                | hours           | \$32.45    | \$0                                      | \$16                                      | 4 pans = 1880 SF @ 1 CF/48 SF = 39.2 CF = 1.5 CY                                |   |
| Driver                                   | 0.5                | hours           | \$45.00    | \$0                                      | \$23                                      | 470 SF/pan @ 1 CF/48 SF = 9.8 CF @ 480 lb/CF = 2.4 tons                         | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Rolloff (30-CY)                          | 0.5                | hours           | \$19.02    | \$0                                      | \$10                                      |   | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Onsite Transp Pans                |                    |                 |            | <b>\$0</b>                               | <b>\$48</b>                               |   |   |
|  |                    |                 |            |  |   |   |   |
| <b>1.21c Offsite T&amp;D - Pan Demo</b>  |                    |                 |            |  |   |   |   |
| Offsite Transportation                   | 385                | miles           | \$3.25     | \$1,251                                  | \$0                                       | 1 Rolloff @ 1 rolloff/load = 1 load @ 385 miles/trip = 385 miles                | Rate: transporters quote/site experience                      |
| Offsite Disposal - Landfill              | 1.5                | CY              | \$337.50   | \$506                                    | \$0                                       | 4 pans = 1880 SF @ 1 CF/48 SF = 39.2 CF = 1.5 CY                                | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite Disp:PCB Whs Pans         |                    |                 |            | <b>\$1,758</b>                           | <b>\$0</b>                                |   |   |
| (Subt: Assemblies 1.15 thru 1.21c)       |                    |                 |            | <b>\$14,425</b>                          | <b>\$4,572</b>                            | onsite drum shredding and off-site disposal: off-site pan disposal              |   |
|  |                    |                 |            |  |   |   |   |
| <b>1.22 Decon PCB W'house (Wash)</b>     |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience |   |
| Laborer                                  | 148.8              | hours           | \$39.00    | \$5,803                                  | \$5,803                                   | 15626 SF @ 105 SF/hr = 148.8 hours @ 1 units/crew = 148.8 hours                 | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                          |                    | hours           | \$4.04     | \$0                                      | \$0                                       | Vacuum-Pressure Wash Combo Used Below   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                           |                    | hours           | \$3.41     | \$0                                      | \$0                                       |   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Vacuum-Pressure Wash Combo               | 148.8              | hours           | \$22.94    | \$3,413                                  | \$3,413                                   | 15626 SF @ 105 SF/hr = 148.8 hours @ 1 units/crew = 148.8 hours                 | 2001 Rate * Implicit Deflator                                 |
| Subt - Decon PCB W'house (wash)          |                    |                 |            | <b>\$9,216</b>                           | <b>\$9,216</b>                            |   |   |
|  |                    |                 |            |  |   |   |   |
| <b>1.23 Decon PCB W'house (Rinse)</b>    |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience |   |
| Laborer                                  | 148.8              | hours           | \$39.00    | \$5,803                                  | \$5,803                                   | Vacuum-Pressure Wash Combo Used   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                          |                    | hours           | \$4.04     | \$0                                      | \$0                                       |   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                           |                    | hours           | \$3.41     | \$0                                      | \$0                                       | 15626 SF @ 105 SF/hr = 148.8 hours @ 1 units/crew = 148.8 hours                 | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Vacuum-Pressure Wash Combo               | 148.8              | hours           | \$22.94    | \$3,413                                  | \$3,413                                   |   | 2001 Rate * Implicit Deflator                                 |
| Subt - Decon PCB W'house (rinse)         |                    |                 |            | <b>\$9,216</b>                           | <b>\$9,216</b>                            |   |   |
|  |                    |                 |            |  |   |   |   |
| <b>1.24 Decon Water Samp/Dispose</b>     |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs                                |   |
| Technician                               | 2.0                | hours           | \$38.00    | \$76                                     | \$76                                      | 2.0 samp @ 0.5 hr/samp = 1.0 hours @ 2 units/crew = 2.0 hours                   | technician rate: rate 2011 3rd party quote                    |
| VOC Analysis (EPA 624)                   | 2.0                | samp            | \$105.00   | \$210                                    | \$210                                     | 2.0 areas @ 1.0 samp/area = 2.0 samples   | analytical price: average of three quotes                     |
| On-site Water Disposal                   | 1562.6             | gal             | \$0.0313   | \$49                                     | \$49                                      | 15626 SF @ 0.05 gal/sf/wa = 781.3 gallons + 0.05 gal/SF/rinse = 781.3 gals      | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt Decon Water Samp/Dispose            |                    |                 |            | <b>\$335</b>                             | <b>\$335</b>                              |   |   |
|  |                    |                 |            |  |   |   |   |
| <b>1.25 PCB Wipe &amp; Destruct Samp</b> |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs based upon facility exp        |   |
| Technician                               | 38                 | hours           | \$38.00    | \$1,444                                  | \$1,444                                   | 38.0 samp @ 0.5 hr/samp = 19.0 hours @ 2 units/crew = 38.0 hours                | technician rate: rate 2011 3rd party quote                    |
| TCLP (Metals/VOCs/Semi-VOCs)             | 2                  | samp            | \$446.67   | \$893                                    | \$893                                     | 2.0 areas @ 1.0 samp/area = 2.0 samples   | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)              | 36                 | samp            | \$83.33    | \$3,000                                  | \$3,000                                   | 15626 SF @ 625 SF/samp = 25.0 samples 11 samp post rinse = 36 samples           | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp            |                    |                 |            | <b>\$5,337</b>                           | <b>\$5,337</b>                            |   |   |
| (Subt: Assemblies 1.22 thru 1.25)        |                    |                 |            | <b>\$24,105</b>                          | <b>\$24,105</b>                           | building decontamination and sampling   |   |

Total Labor Hours 840.0



Overall Site-Wide Closure Cost Estimate  
6/6/2012

1.0 PCB Warehouse

| Basic Closure Activities: Direct Costs       | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                         |
|--|--------------------|-----------------|------------|--|---|--|---|
| <b>1.26 PPE Usage &amp; H&amp;S Planning</b> |                    |                 |            |  |   | Level C @ 75%; Mod Level C @ 25% for total non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Modified Level C                 | 26.2               | days            | \$9.00     | \$236                                    | \$236                                     | 839.5 hours @ 8 hr/day = 104.9 days @ 25% "Mod C" days = 26.2 days                                 | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                          | 78.7               | days            | \$25.00    | \$1,968                                  | \$1,968                                   | 839.5 hours @ 8 hr/day = 104.9 days @ 75% "C" days = 78.7 days                                     | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                              | 21                 | hours           | \$75.00    | \$1,575                                  | \$1,575                                   | 839.5 hours @ 0.025 hr/hr = 21.0 hours   | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt -PPE Usage/H&S Planning                 |                    |                 |            | <b>\$3,778</b>                           | <b>\$3,778</b>                            |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>1.27 Supervision</b>                      |                    |                 |            |  |   | 4 weeks for closure of PCB warehouse   |   |
| Foreman                                      | 160                | hours           | \$65.00    | \$10,400                                 | \$10,400                                  | 4 weeks @ 40 hrs/wk = 160.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                         | 0                  | hours           | \$75.00    | \$0                                      | \$0                                       | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                       |                    |                 |            | <b>\$10,400</b>                          | <b>\$10,400</b>                           |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>1.28 Certification</b>                    |                    |                 |            |  |   | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                   |   |
| Engineer                                     | 12.6               | hours           | \$130.00   | \$1,638                                  | \$1,638                                   | 839.5 hours @ 0.015 hr/hr = 12.6 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                     | 12.6               | hours           | \$45.00    | \$567                                    | \$567                                     | 839.5 hours @ 0.015 hr/hr = 12.6 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification                     |                    |                 |            | <b>\$2,205</b>                           | <b>\$2,205</b>                            |  |   |
| (Subt: Assemblies 1.26 thru 1.28)            |                    |                 |            | <b>\$16,383</b>                          | <b>\$16,383</b>                           | supervision, health & safety, and certification  |   |

|                   |             |       |       |           |           |
|-------------------|-------------|-------|-------|-----------|-----------|
| 1.0 PCB Warehouse | Direct Cost | Total | Basic | \$728,702 | \$562,038 |
|-------------------|-------------|-------|-------|-----------|-----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                      |   |  |                   |
|--------------------------------------|---|--|-------------------|
| <b>1.0 PCB Warehouse</b>             |   |  |                   |
| <b>Total Cost Summary</b>            |   |  |                   |
|                                      |   |  |                   |
| <b>Cost Category</b>                 | <b>Proposed<br/>Percent<br/><br/>of Direct Cost</b> | <b>Proposed<br/>2011 Cost<br/>OffSite<br/>Disposal</b> | <b>Cost Range</b> |
| <b>Direct Costs/Basic Disposal</b>   |   | \$728,702  |                   |
|                                      |   |  |                   |
| Plus Indirect Costs/Profit:          |   |  |                   |
| Site Activity Management Costs       | 7.00%   | \$51,009   | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office     | 4.00%   | \$29,148   | note: DEC uses 4% |
| Pre-Construction Design Costs        | 6.00%   | \$43,722   | note: DEC uses 6% |
| Engineering During Construction      | 2.00%   | \$14,574   | note: DEC uses 2% |
| General Contractor Profit            | 6.00%   | \$43,722   | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b> | 25.00%  | \$182,175  |                   |
|                                      |   |  |                   |
| <b>Subt: AWTS - PCB W'house</b>      |   | \$910,877  |                   |
|                                      |   |  |                   |
| <b>Plus Contingency</b>              | 10.00%  | \$91,088   | CWM and DEC 10%   |
|                                      |   |  |                   |
| <b>Tot: PCB W'house</b>              |   | \$1,001,965  |                   |
|                                      |   |  |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

2.0 Drum Management Building

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|--|--------------------|-----------------|------------|--|---|---|---|
| <b>2.1 Inventory Verification</b>          |                    |                 |            |  |   | production rate = two persons req'd @ average of two drums/minute/crew with a 10-min break/hour |   |
| Laborer                                    | 44.5               | hours           | \$39.00    | \$1,736                                    | \$1,736                                 | 4452 drums @ 100 drums/hr = 44.5 hours  | HASP req's two: loaded labor rate 2011 3rd party quote                                      |
| Subtotal - Inventory Verification          |                    |                 |            | <b>\$1,736</b>                             | <b>\$1,736</b>                          |   |   |
| <i>Subt: Assemblies 2.1 thru 2.1)</i>      |                    |                 |            | <b>\$1,736</b>                             | <b>\$1,736</b>                          | <i>survey and inventory of maximum capacity of Drum Management Building</i>                     |   |
| <b>2.2 Load Solids Drms for O/S L'Fill</b> |                    |                 |            |  |   | production rate = 80 drums/hour/person; Facility experience                                     |   |
| Laborer                                    | 82.6               | hours           | \$39.00    | \$3,221                                    | \$3,221                                 | 3305 drums @ 80 drums/hr = 41.3 hours @ 2 units/crew = 82.6 hours                               | one forklift oper + one helper; rate 2011 3rd party quote                                   |
| Forklift                                   | 41.3               | hours           | \$22.21    | \$917                                      | \$917                                   | 3305 drums @ 80 drums/hr = 41.3 hours @ 1 units/crew = 41.3 hours                               | RSM/HC p. 470 (line item 01 54 33 40 2020)  |
| Flatbed Trailer (40-ton)                   | 41.3               | hours           | \$6.26     | \$259                                      | \$259                                   | 3305 drums @ 80 drums/hr = 41.3 hours @ 1 units/crew = 41.3 hours                               | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Load Drums for Onsite L'Fill        |                    |                 |            | <b>\$4,397</b>                             | <b>\$4,397</b>                          |   |   |
| <b>2.3 Trans Solids Drms to O/S L'Fill</b> |                    |                 |            |  |   | assumes on-site disposal  |   |
| Road Tractor (4 x 2, 30-ton)               | 20.7               | hours           | \$32.45    | \$0  | \$672                                   | 3305 drums @ 80 drums/load = 41.3 loads @ 0.5 hr/load = 20.7 hours                              | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                     | 20.7               | hours           | \$45.00    | \$0  | \$932                                   | 3305 drums @ 80 drums/load = 41.3 loads @ 0.5 hr/load = 20.7 hours                              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Flatbed Trailer (40-ton)                   | 20.7               | hours           | \$6.26     | \$0  | \$130                                   | 3305 drums @ 80 drums/load = 41.3 loads @ 0.5 hr/load = 20.7 hours                              | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Transp Drms to Onsite L'Fill        |                    |                 |            | <b>\$0</b>                                 | <b>\$1,733</b>                          |   |   |
| <b>2.4 Unload Sol Drums at O/S L'Fill</b>  |                    |                 |            |  |   | assumes on-site disposal  |   |
| Laborer                                    | 20.7               | hours           | \$39.00    | \$0  | \$807                                   | 3305 drums @ 80 drums/load = 41.3 loads @ 0.5 hr/load = 20.7 hours                              | one forklift oper + one helper; rate 2011 3rd party quote                                   |
| Forklift                                   | 20.7               | hours           | \$22.21    | \$0  | \$460                                   | 3305 drums @ 80 drums/load = 41.3 loads @ 0.5 hr/load = 20.7 hours                              | RSM/HC p. 470 (line item 01 54 33 40 2020)  |
| Flatbed Trailer (40-ton)                   | 20.7               | hours           | \$6.26     | \$0  | \$130                                   | 3305 drums @ 80 drums/load = 41.3 loads @ 0.5 hr/load = 20.7 hours                              | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Unload Drms at Onsite L'Fill        |                    |                 |            | <b>\$0</b>                                 | <b>\$1,397</b>                          |   |   |
| <b>2.5 Offsite Disp - Solids Drums</b>     |                    |                 |            |  |   | assumes off-site land disposal; 80 drms/load; Fac est assumes on-site disposal                  |   |
| Offsite Transportation                     | 15900.5            | miles           | \$3.50     | \$55,652                                   | \$0                                     | 3305 drums @ 80 drums/ld = 41.3 loads @ 385 miles/trip = 15900.5miles                           | Rate: transporters quote/site experience  |
| Offsite Disposal - Landfill                | 3305               | drums           | \$100.00   | \$330,500                                  | \$0                                     | 3305 drums  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite Disp - Solids Drums         |                    |                 |            | <b>\$386,152</b>                           | <b>\$0</b>                              |   |   |
| <i>(Subt: Assemblies 2.2 thru 2.5)</i>     |                    |                 |            | <b>\$390,549</b>                           | <b>\$7,527</b>                          | <i>loading, off-site transporting, and off-site disposal of drummed solids</i>                  |   |
| <b>2.6 Load Drums for O/S Aque Trt</b>     |                    |                 |            |  |   | production rate = 80 drums/hour; facility experience  |   |
| Laborer                                    | 11.7               | hours           | \$39.00    | \$456                                      | \$456                                   | 469 drums @ 80 drums/hr = 5.9 hours @ 2 units/crew = 11.7 hours                                 | one forklift oper + one helper; rate 2011 3rd party quote                                   |
| Forklift                                   | 5.9                | hours           | \$22.21    | \$131                                      | \$131                                   | 469 drums @ 80 drums/hr = 5.9 hours @ 1 units/crew = 5.9 hours                                  | RSM/HC p. 470 (line item 01 54 33 40 2020)  |
| Flatbed Trailer (40-ton)                   | 5.9                | hours           | \$6.26     | \$37                                       | \$37                                    | 469 drums @ 80 drums/hr = 5.9 hours @ 1 units/crew = 5.9 hours                                  | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Load Drms for Onsite Aq/Tr          |                    |                 |            | <b>\$624</b>                               | <b>\$624</b>                            |   |   |
| <b>2.7 Transp to O/S Aqueous Treat</b>     |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel   |   |
| Road Tractor (4 x 2, 30-ton)               | 2.9                | hours           | \$32.45    | \$94                                       | \$94                                    | 469 drums @ 80 drum/load = 5.9 loads @ = 0.5 hours/trip = 2.9 hours                             | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                     | 2.9                | hours           | \$45.00    | \$131                                      | \$131                                   | 469 drums @ 80 drum/load = 5.9 loads @ = 0.5 hours/trip = 2.9 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Flatbed Trailer (40-ton)                   | 2.9                | hours           | \$6.26     | \$18                                       | \$18                                    | 469 drums @ 80 drum/load = 5.9 loads @ = 0.5 hours/trip = 2.9 hours                             | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Transp to Onsite Aque Treat         |                    |                 |            | <b>\$243</b>                               | <b>\$243</b>                            |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

2.0 Drum Management Building

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                      |
|---|--------------------|-----------------|------------|--|---|--|--|
|   |                    |                 |            |  |   |  |  |
| <b>2.8 Unload/Empty Drms:O/S AqTrt</b>    |                    |                 |            |  |   | production rate = 80 drm/hr; facility experience   |  |
| Laborer                                   | 11.7               | hours           | \$39.00    | \$456                                      | \$456                                   | 469 drums @ 80 drums/hr = 11.7 hours @ 2 units/crew = 11.7 hours                                   | one forklift oper + one helper; rate 2011 3rd party quote        |
| Forklift                                  | 5.9                | hours           | \$22.21    | \$131                                      | \$131                                   | 469 drums @ 80 drums/hr = 11.7 hours @ 1 units/crew = 5.9 hours                                    | RSM/HC p. 470 (line item 01 54 33 40 2020)                       |
| Flatbed Trailer (40-ton)                  | 5.9                | hours           | \$6.26     | \$37                                       | \$37                                    | 469 drums @ 80 drums/hr = 11.7 hours @ 1 units/crew = 5.9 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6600)                       |
| Subt - Unl/Emp Drms: O/S Aqu Trt          |                    |                 |            | \$624                                      | \$624                                   |  |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.9 Onsite Aqueous Treatment</b>       |                    |                 |            |  |   |  |  |
| Onsite Aqueous Treatment                  | 25795              | gal             | \$0.1526   | \$3,936                                    | \$3,936                                 | 469 drums @ 55 gal/drum = 25795.0 gallons  | On-site treatment costs: other (gate receipts) wastewater source |
| Subt - Onsite Aqueous Treatment           |                    |                 |            | \$3,936                                    | \$3,936                                 |  |  |
| (Subt: Assemblies 2.6 thru 2.9)           |                    |                 |            | \$5,428                                    | \$5,428                                 | loading, onsite transporting, unloading, and onsite disposal of drummed liquids                    |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.10 Load Org Liq Drms for Bulking</b> |                    |                 |            |  |   | production rate = 80 drums/hour; facility experience   |  |
| Laborer                                   | 14.0               | hours           | \$39.00    | \$546                                      | \$546                                   | 558 drums @ 80 drums/hr = 7.0 hours @ 2 units/crew = 14.0 hours                                    | one forklift oper + one helper; rate 2011 3rd party quote        |
| Forklift                                  | 7.0                | hours           | \$22.21    | \$155                                      | \$155                                   | 558 drums @ 80 drums/hr = 7.0 hours @ 1 units/crew = 7.0 hours                                     | RSM/HC p. 470 (line item 01 54 33 40 2020)                       |
| Flatbed Trailer (40-ton) not req'd        | 0                  | hours           | \$6.26     | \$0  | \$0                                     | 0 drums @ 80 drums/hr = 0.0 hours @ 1 units/crew = 0.0 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6600)                       |
| Subt - Load Org Liq Drms - Bulking        |                    |                 |            | \$701                                      | \$701                                   |  |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.11 Onsite Transportation</b>         |                    |                 |            |  |   | onsite bulking performed at Drum Management Building by forklift; no transportation costs incurred |  |
| N/A                                       | 0                  | hours           | \$0.00     | \$0  | \$0                                     | 0 drums @ 80 drum/load = 0.0 loads @ 0.5 hours/trip = 0.0 hours                                    | drums moved solely by forklift at Drum Mgmt Bldg                 |
| Subt - Onsite Transportation              |                    |                 |            | \$0  | \$0                                     |  |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.12 Unload Org Liq Drms/Bulking</b>   |                    |                 |            |  |   | production rate = 80 drums/hour; facility experience   |  |
| Laborer                                   | 14                 | hours           | \$39.00    | \$546                                      | \$546                                   | 558 drums @ 80 drums/hr = 7.0 hours @ 2 units/crew = 14.0 hours                                    | one forklift oper + one helper; rate 2011 3rd party quote        |
| Forklift                                  | 7                  | hours           | \$22.21    | \$155                                      | \$155                                   | 558 drums @ 80 drums/hr = 7.0 hours @ 1 units/crew = 7.0 hours                                     | RSM/HC p. 470 (line item 01 54 33 40 2020)                       |
| Flatbed Trailer (40-ton) not req'd        | 0                  | hours           | \$6.26     | \$0  | \$0                                     | 0 drums @ 80 drums/hr = 0.0 hours @ 1 units/crew = 0.0 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6600)                       |
| Subt - Unload Org Liq Drms/Bulking        |                    |                 |            | \$701                                      | \$701                                   |  |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.13 Bulk Org Liquids into Tankers</b> |                    |                 |            |  |   | prod'n rate = 5 min/drum; employs a 2-person crew + equipment                                      |  |
| Laborer                                   | 93                 | hours           | \$39.00    | \$3,627                                    | \$3,627                                 | 558 drums @ 12 drums/hr = 46.5 hours @ 2 units/crew = 93.0 hours                                   | two laborers; rate 2011 3rd party quote                          |
| Pumping Equipment                         | 46.5               | hours           | \$71.47    | \$3,323                                    | \$3,323                                 | 558 drums @ 12 drums/hr = 46.5 hours @ 1 units/crew = 46.5 hours                                   | RSM/UP p. 9-171 (line item 33-19-0108)                           |
| Tank Trailer - 5,500 Gallons              | 46.5               | hours           | \$6.31     | \$293                                      | \$293                                   | 558 drums @ 12 drums/hr = 46.5 hours @ 1 units/crew = 46.5 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 6900)                       |
| Subt - Bulk Org Liq into Tankers          |                    |                 |            | \$7,244                                    | \$7,244                                 |  |  |
| (Subt: Assemblies 2.10 thru 2.13)         |                    |                 |            | \$8,647                                    | \$8,647                                 | loading, onsite transporting, and bulking drummed organic liquids                                  |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.14 Transp Org Liquids Offsite</b>    |                    |                 |            |  |   | capacity per 5,500-gal tanker = one hundred (100) 55-gal drums                                     |  |
| Transport in 5,500-gal Tankers            | 8562.4             | miles           | \$3.50     | \$29,968                                   | \$29,968                                | 558 drums @ 100 drm/tankr = 5.6 loads @ 1529 miles/trip = 8562.4 miles                             | Rate: transporters quote/site experience                         |
| Subt - Transp Org Liquids Offsite         |                    |                 |            | \$29,968                                   | \$29,968                                |  |  |
|   |                    |                 |            |  |   |  |  |
| <b>2.15 Transp Ramp Liquids Offsite</b>   |                    |                 |            |  |   | two standing 5,500-gal tankers parked at West ramp = 11,000 gallons                                |  |
| Transport two 5,500 Gal Tankers           | 3058               | miles           | \$3.50     | \$10,703                                   | \$10,703                                | 11000 gals @ 5500 gal/tankr = 2.0 loads @ 1529 miles/trip = 3058.0 miles                           | Rate: transporters quote/site experience                         |
| Subt - Transp Org Liquids Offsite         |                    |                 |            | \$10,703                                   | \$10,703                                |  |  |
|   |                    |                 |            |  |   |  |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

2.0 Drum Management Building

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|--|---|--|---|
| <b>2.16 Offsite Org Liquids Disposal</b> |                    |                 |            |  |   |  |   |
| Disposal Cost - Liquids (558 drums)      | 30690              | gallons         | \$3.15     | \$96,674                                   | \$96,674                                | 558 drums @ 55 gal/drum = 30690 gallons  | HWC/ETC 2004 & Current third party rate                   |
| Disposal Cost - Liquids (2 Tankers)      | 11000              | gallons         | \$3.15     | \$34,650                                   | \$34,650                                | 2.0 tankr @ 5500 gal/tankr = 11000 gallons   | HWC/ETC 2004 & Current third party rate                   |
| Subt - Offsite Org Liq Disposal          |                    |                 |            | \$131,324                                  | \$131,324                               |  |   |
| (Subt: Assemblies 2.14 thru 2.16)        |                    |                 |            | \$171,995                                  | \$171,995                               | offsite T&D of liquids   |   |
| <b>2.17 Load Empty Drums</b>             |                    |                 |            |  |   |  |   |
| Laborer                                  | 12.8               | hours           | \$39.00    | \$499                                      | \$499                                   | production rate = 160 drums/hour (double the rate of full drums)<br>1027 drums @ 160 drums/hr = 6.4 hours @ 2 units/crew = 12.8 hours  | one forklift oper + one helper; rate 2011 3rd party quote |
| Forklift                                 | 6.4                | hours           | \$22.21    | \$142                                      | \$142                                   | 1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours   | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)                 | 6.4                | hours           | \$6.26     | \$40                                       | \$40                                    | 1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Empty Drums                  |                    |                 |            | \$681                                      | \$681                                   | Loaded for on-site shredding & offsite disposal or for onsite disposal   |   |
| <b>2.18 Transp Drums to Onsite Shrd</b>  |                    |                 |            |  |   |  |   |
| Road Tractor (4 x 2, 30-ton)             | 6.4                | hours           | \$32.45    | \$208                                      | \$0                                     | production rate = 0.5 hours for onsite travel<br>1027 drums @ 80 drum/load = 12.8 loads @ 0.5 hours/trip = 6.4 hours   | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                   | 6.4                | hours           | \$45.00    | \$288                                      | \$0                                     | 1027 drums @ 80 drum/load = 12.8 loads @ 0.5 hours/trip = 6.4 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)                 | 6.4                | hours           | \$6.26     | \$40                                       | \$0                                     | 1027 drums @ 80 drum/load = 12.8 loads @ 0.5 hours/trip = 6.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transp to Onsite Shredder         |                    |                 |            | \$536                                      | \$0                                     |  |   |
| <b>2.19 Unload Empty Drums</b>           |                    |                 |            |  |   |  |   |
| Laborer                                  | 12.8               | hours           | \$39.00    | \$499                                      | \$0                                     | production rate = 160 drums/hour (double the rate of full drums)<br>1027 drums @ 160 drums/hr = 6.4 hours @ 2 units/crew = 12.8 hours  | one forklift oper + one helper; rate 2011 3rd party quote |
| Forklift                                 | 6.4                | hours           | \$22.21    | \$142                                      | \$0                                     | 1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours   | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)                 | 6.4                | hours           | \$6.26     | \$40                                       | \$0                                     | 1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Empty Drums                |                    |                 |            | \$681                                      | \$0                                     |  |   |
| <b>2.20 Onsite Drum Shredding</b>        |                    |                 |            |  |   |  |   |
| Laborer                                  | 25.7               | hours           | \$39.00    | \$1,002                                    | \$0                                     | prod'n = 80 drums/hour; debris shredded into rolloff<br>1027 drums @ 80 drums/hr = 12.8 hours @ 2 units/crew = 25.7 hours  | one shredder oper + one helper; rate 2011 3rd party quote |
| Shredder                                 | 12.8               | hours           | \$329.70   | \$4,220                                    | \$0                                     | 1027 drums @ 80 drums/hr = 12.8 hours @ 1 units/crew = 12.8 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Rolloff (30-CY)                          | 12.8               | hours           | \$19.02    | \$243                                      | \$0                                     | 1027 drums @ 80 drums/hr = 12.8 hours @ 1 units/crew = 12.8 hours  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Onsite Drum Shredding             |                    |                 |            | \$5,466                                    | \$0                                     |  |   |
| <b>2.21 Transp Drms: onsite L'fill</b>   |                    |                 |            |  |   |  |   |
| Road Tractor (4 x 2, 30-ton)             | 6.4                | hours           | \$32.45    | \$0  | \$208                                   | Transport whole drums to onsite landfill for disposal: production rate = 0.5 hours for onsite travel<br>1027 drums @ 80 drums/load = 12.8 loads @ 0.5 hours/trip = 6.4 hours | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                   | 6.4                | hours           | \$45.00    | \$0  | \$288                                   | 1027 drums @ 80 drums/load = 12.8 loads @ 0.5 hours/trip = 6.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)                 | 6.4                | hours           | \$6.26     | \$0  | \$40                                    | 1027 drums @ 80 drums/load = 12.8 loads @ 0.5 hours/trip = 6.4 hours   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transp Mat'l to Landfill          |                    |                 |            | \$0  | \$536                                   | Drums crushed in landfill  |   |
| <b>2.22 Unload Empty Drum</b>            |                    |                 |            |  |   |  |   |
| Laborer                                  | 6.4                | hours           | \$39.00    | \$0  | \$250                                   | prod'n rate = 160 drums/hour (assume double the rate of full drums @ site experience)<br>1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours                    | one loader oper + one helper; rate 2011 3rd party quote   |
| Loader (medium)                          | 6.4                | hours           | \$14.39    | \$0  | \$92                                    | 1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Flatbed Trailer (40-ton)                 | 6.4                | hours           | \$6.26     | \$0  | \$40                                    | 1027 drums @ 160 drums/hr = 6.4 hours @ 1 units/crew = 6.4 hours   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Epty Drum at Landfill      |                    |                 |            | \$0  | \$382                                   | Drums crushed in landfill  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

2.0 Drum Management Building

| Basic Closure Activities: Direct Costs                                  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price Onsite Disposal | Basis of Production and Quantities for In-house Estimate                                     | In-house Pricing References                                   |
|---|--------------------|-----------------|------------|--|---|--|---|
|   |                    |                 |            |  |   |  |   |
| <b>2.23 Offsite Disp/Shrd'd Drums</b>                                   |                    |                 |            |  |   | assumes off-site land disposal of shredded drums; 20 tons/load                               |   |
| Offsite Transportation  | 5.0                | miles           | \$3.25     | \$16                                       | \$0                                     | 10.3 tons @ 20 tons/load = 0.5 (↑1) loads @ 5 miles/trip = 5.0 miles                         | Rate: transporters quote/site experience                      |
| Offsite Disposal - Non-Haz Landfill                                     | 10.3               | tons            | \$35.00    | \$361                                      | \$0                                     | 1027 drums @ 20 lbs/drum = 10.3 tons @ 1 tons/CY = 10.3 tons                                 | Modern Disposal/Site Experience                               |
| Subt - Offsite Shrd'd Drums Disp'l<br>(Subt: Assemblies 2.17 thru 2.23) |                    |                 |            | \$377                                      | \$0                                     |  |   |
|   |                    |                 |            | \$7,741                                    | \$1,599                                 | onsite drum shredding and off-site non-haz disposal  |   |
|   |                    |                 |            |  |   |  |   |
| <b>2.24 Load Spec Treat for O/S T&amp;D</b>                             |                    |                 |            |  |   | production rate = 40 drums/hour; site experience   |   |
| Laborer   | 6                  | hours           | \$39.00    | \$234                                      | \$234                                   | 120 drums @ 40 drums/hr = 3.0 hours @ 2 pers/crew = 6.0 hours                                | one forklift oper + one helper; rate 2011 3rd party quote     |
| Forklift  | 3                  | hours           | \$22.21    | \$67                                       | \$67                                    | 120 drums @ 40 drums/hr = 3.0 hours @ 1 units/crew = 3.0 hours                               | RSM/HC p. 470 (line item 01 54 33 40 2020)                    |
| Dump Trailer (22 ton)   | 3                  | hours           | \$5.20     | \$16                                       | \$16                                    | 120 drums @ 40 drums/hr = 3.0 hours @ 1 units/crew = 3.0 hours                               | RSM/HC p. 469 (line item 01 54 33 20 5400)                    |
| Subt - Load Spec Trt for O/S T&D  |                    |                 |            | \$316                                      | \$316                                   |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>2.25 Transport Spec Trt Offsite</b>                                  |                    |                 |            |  |   | Estimate based on a per drum basis for special treatment waste: max 120 drums                |   |
| Truck Transport @ 88 drums/load   | 0                  | miles           | \$0.00     | \$0  | \$0                                     |  |   |
| Transport per drum  | 120                | drum            | \$50.00    | \$6,000                                    | \$6,000                                 | Facility estimate based on per drum rate   | rate = site experience  |
| Subt - Transport Spec Trt Offsite                                       |                    |                 |            | \$6,000                                    | \$6,000                                 |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>2.26 Offsite Spec Trt Disposal</b>                                   |                    |                 |            |  |   | disposal price of \$500/drum   |   |
| Disposal Cost (Misc Drums)  | 120                | drum            | \$500.00   | \$60,000                                   | \$60,000                                | 120 drums  | site estimate of \$500/drum for unknown wastes                |
| Subt - Offsite Spec Trt Disposal  |                    |                 |            | \$60,000                                   | \$60,000                                |  |   |
| (Subt: Assemblies 2.24 thru 2.26)                                       |                    |                 |            | \$66,316                                   | \$66,316                                | offsite T&D of drums requiring special treatment   |   |
|   |                    |                 |            |  |   |  |   |
| <b>2.27 Decon Drm Mgmt Bldg (wash)</b>                                  |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience          |   |
| Laborer   | 208.9              | hours           | \$39.00    | \$8,147                                    | \$8,147                                 | 21933 SF @ 105 SF/hr = 208.9 hours @ 1 pers/crew = 208.9 hours                               | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer   |                    | hours           | \$4.04     | \$0  | \$0                                     | Vacuum-Pressure Wash Combo Used  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper  |                    | hours           | \$3.41     | \$0  | \$0                                     | not required   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Vacuum-Pressure Wash Combo  | 208.9              | hours           | \$22.94    | \$4,792                                    | \$4,792                                 | 21933 SF @ 105 SF/hr = 208.9 hours @ 1 units/crew = 208.9 hours                              | 2001 Rate * Implicit Deflator                                 |
| Subt - Decon Drm Mgt Bldg (Wash)  |                    |                 |            | \$12,939                                   | \$12,939                                |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>2.28 Decon Drum Mgt Bldg (Rinse)</b>                                 |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit; facility experience               |   |
| Laborer   | 208.9              | hours           | \$39.00    | \$8,147                                    | \$8,147                                 | 21933 SF @ 105 SF/hr = 208.9 hours @ 2 pers/crew = 208.9 hours                               | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer   |                    | hours           | \$4.04     | \$0  | \$0                                     | Vacuum-Pressure Wash Combo Used  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper  |                    | hours           | \$3.41     | \$0  | \$0                                     | not required   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Vacuum-Pressure Wash Combo  | 208.9              | hours           | \$22.94    | \$4,792                                    | \$4,792                                 | 21933 SF @ 105 SF/hr = 208.9 hours @ 1 units/crew = 208.9 hours                              | 2001 Rate * Implicit Deflator                                 |
| Subt - Decon Drm Mgt Bldg (Rinse)                                       |                    |                 |            | \$12,939                                   | \$12,939                                |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>2.29 Decon Water Samp/Dispose</b>                                    |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs; DEC treatment unit price = \$0.1042/gallon |   |
| Technician  | 4.0                | hours           | \$38.00    | \$152                                      | \$152                                   | 4.0 samp @ 0.5 hr/samp = 2.0 hours @ 2 pers/crew = 4.0 hours                                 | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)  | 4.0                | samp            | \$105.00   | \$420                                      | \$420                                   | 4.0 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal  | 4386.6             | gal             | \$0.0313   | \$137                                      | \$137                                   | 21933 SF @ 0.05 gal/sf/wa = 2193.3 0.05 gal/sf/rinse = 2193.3 gals                           | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose   |                    |                 |            | \$709                                      | \$709                                   |  |   |
|   |                    |                 |            |  |   |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

2.0 Drum Management Building

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price Onsite Disposal | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|

|  |      |       |          |                 |                 |  |   |
|--|------|-------|----------|-----------------|-----------------|--|---|
| <b>2.30 PCB Wipe &amp; Destruct Samp</b> |      |       |          |                 |                 | production rate = 0.5 hours/sample for two techs based upon facility exp |   |
| Technician                               | 35.1 | hours | \$38.00  | \$1,334         | \$1,334         | 35.1 samp @ 0.5 hr/samp = 17.55 hours @ 2 pers/crew = 35.1 hours         | technician rate 2011 3rd party quote      |
| TCLP (Metals/VOCs/Semi-VOCs)             | 0    | samp  | \$446.67 | \$0             | \$0             | concrete core samples and TCLP not required - permit                     | analytical price: average of three quotes |
| PCB Analysis (SW 8081/8082)              | 35.1 | samp  | \$83.33  | \$2,925         | \$2,925         | 21933 SF @ 625 SF/samp = 35.1 samples                                    | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp            |      |       |          | <b>\$4,259</b>  | <b>\$4,259</b>  |  |   |
| (Subt: Assemblies 2.27 thru 2.30)        |      |       |          | <b>\$30,847</b> | <b>\$30,847</b> | building decontamination and sampling                                    |   |

Total Labor Hours 849.2

|  |       |       |          |                 |                 |  |   |
|--|-------|-------|----------|-----------------|-----------------|--|---|
| <b>2.31 PPE Usage &amp; H&amp;S Planning</b> |       |       |          |                 |                 | Level C @ 75%; Mod Level C @ 25% for total non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Mod Level C                      | 26.6  | days  | \$9.00   | \$239           | \$239           | 849.2 hours @ 8 hr/day = 106.2 days @ 25% "Mod C" days = 26.6 days                                 | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                          | 79.6  | days  | \$25.00  | \$1,990         | \$1,990         | 849.2 hours @ 8 hr/day = 106.2 days @ 75% "C" days = 79.6 days                                     | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                              | 21.2  | hours | \$75.00  | \$1,590         | \$1,590         | 849.2 hours @ 2.5% hr/hr = 21.2 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning                |       |       |          | <b>\$3,819</b>  | <b>\$3,819</b>  |  |   |
|  |       |       |          |                 |                 |  |   |
| <b>2.32 Supervision</b>                      |       |       |          |                 |                 | 4 weeks for closure of Drum Management Building  |   |
| Foreman                                      | 160   | hours | \$65.00  | \$10,400        | \$10,400        | 4 weeks @ 40 hrs/wk = 160.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                         | 0     | hours | \$75.00  | \$0             | \$0             | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                       |       |       |          | <b>\$10,400</b> | <b>\$10,400</b> |  |   |
|  |       |       |          |                 |                 |  |   |
| <b>2.33 Certification</b>                    |       |       |          |                 |                 | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                   |   |
| Engineer                                     | 12.74 | hours | \$130.00 | \$1,656         | \$1,656         | 849.2 hours @ 0.015 hr/hr = 12.74 hours  | Engineer rate: 2011 3rd party quote                 |
| Clerical                                     | 12.74 | hours | \$45.00  | \$573           | \$573           | 849.2 hours @ 0.015 hr/hr = 12.74 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification                     |       |       |          | <b>\$2,230</b>  | <b>\$2,230</b>  |  |   |
| (Subt: Assemblies 2.31 thru 2.33)            |       |       |          | <b>\$16,449</b> | <b>\$16,449</b> | supervision, health & safety, and certification  |   |

|                           |                    |              |              |                  |                  |
|---------------------------|--------------------|--------------|--------------|------------------|------------------|
| <b>2.0 Drum Mgmt Bldg</b> | <b>Direct Cost</b> | <b>Total</b> | <b>Basic</b> | <b>\$699,707</b> | <b>\$310,542</b> |
|---------------------------|--------------------|--------------|--------------|------------------|------------------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 2.0 Drum Management Building     |                  |                            |                   |
|----------------------------------|------------------|----------------------------|-------------------|
| Total Cost Summary               |                  |                            |                   |
|                                  |                  |                            |                   |
| Cost Category                    | Proposed Percent | Proposed 2011 Cost OffSite | Cost Range        |
|                                  | of Direct Cost   | Disposal                   |                   |
| Direct Costs/Basic Disposal      |                  | \$699,707                  |                   |
|                                  |                  |                            |                   |
| Plus Indirect Costs/Profit:      |                  |                            |                   |
| Site Activity Management Costs   | 7.00%            | \$48,979                   | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%            | \$27,988                   | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%            | \$41,982                   | note: DEC uses 6% |
| Engineering During Construction  | 2.00%            | \$13,994                   | note: DEC uses 2% |
| General Contractor Profit        | 6.00%            | \$41,982                   | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%           | \$174,927                  |                   |
|                                  |                  |                            |                   |
| Subtotal - Drum Storage Bldg     |                  | \$874,633                  |                   |
|                                  |                  |                            |                   |
| Plus Contingency                 | 10.00%           | \$87,463                   | CWM and DEC 10%   |
|                                  |                  |                            |                   |
| Total - Drum Stor Bldg           |                  | \$962,097                  |                   |
|                                  |                  |                            |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)



Overall Site-Wide Closure Cost Estimate  
6/6/2012

3.0 Fuels & PCB Mgmt Area

| Basic Closure Activities: Direct Costs                                 | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|--|---|--|---|
| <b>3.1 Inventory Verification</b>                                      |                    |                 |            |  |   | production rate = two persons @ 2 hrs each for four activity areas = 8 hrs = 1.0y total            |   |
| Laborer  | 8                  | hours           | \$39.00    | \$312                                      | \$312                                     | 2 areas @ 2 hrs/area = 4.0 hours @ 2 units/crew = 8.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification<br>(Subt: Assemblies 1.1 thru 1.1)   |                    |                 |            | \$312                                      | \$312                                     |  | (note: labor rate provided by local contractor)           |
|  |                    |                 |            | \$312                                      | \$312                                     |  |   |
| <b>3.2 Empty Transformers</b>  |                    |                 |            |  | \$160,716                                 | prod'n rate = 1,650 gals/hr; RSM/UP p. 9-171 (33-19-0101); 11 transformers @ 386 gals each         |   |
| Laborer  | 5.1                | hours           | \$39.00    | \$199                                      | \$199                                     | 4246 gals @ 1650 gals/hr = 2.6 hours @ 2 units/crew = 5.1 hours                                    | two laborers; rate 2011 3rd party quote                   |
| Pumping Equipment  | 2.6                | hours           | \$71.47    | \$186                                      | \$186                                     | 4246 gals @ 1650 gals/hr = 2.6 hours @ 1 units/crew = 2.6 hours                                    | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer - 5,000 Gals  | 2.6                | hours           | \$6.31     | \$16                                       | \$16                                      | 4246 gals @ 1650 gals/hr = 2.6 hours @ 1 units/crew = 2.6 hours                                    | T&D rate below includes tanker                            |
| Subt - Empty Transformers  |                    |                 |            | \$401                                      | \$401                                     |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>3.3 Transp Transformer Liqs Offsite</b>                             |                    |                 |            |  |   | capacity per tanker = 5 000 gallons capacity per tanker = 5,000 gallons                            |   |
| Transport in 5,000 Gal Tanker  | 1529.0             | miles           | \$3.50     | \$5,352                                    | \$5,352                                   | 4246 gals @ 5000 gal/tankr = 0.8 loads (↑1.0)@ 1529 miles/load = 1529.0 miles                      | Rate: transporters quote/site experience                  |
| Subt - Transp't Transformer Liquids                                    |                    |                 |            | \$5,352                                    | \$5,352                                   |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>3.4 Dispose of Transformer Liquids</b>                              |                    |                 |            |  |   | liquid PCB wastes  |   |
| Disposal Cost - PCB Liquids  | 4246               | gallons         | \$4.68     | \$19,871                                   | \$19,871                                  | 4246 gallons   | HWC/ETC 2004 & Current third party rate                   |
| Subt - Transformer O/S Liq Dispos'l<br>(Subt: Assemblies 3.2 thru 3.4) |                    |                 |            | \$19,871                                   | \$19,871                                  |  |   |
|  |                    |                 |            | \$25,624                                   | \$25,624                                  | empty transformers and T&D PCB liquids   |   |
|  |                    |                 |            |  |   |  |   |
| <b>3.5 Load 12-ton Transf + 2-ton Pan</b>                              |                    |                 |            |  |   | prod'n rate = 3 hours/transformer + pan: 12-ton transformer + 2-ton pan (11' x 7' x .67' @ 75#/CF) |   |
| Laborer  | 66                 | hours           | \$39.00    | \$2,574                                    | \$2,574                                   | 11 tr/pan @ 3 hr/tr-pan = 33.0 hours @ 2 units/crew = 66.0 hours                                   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Yard Crane (25-ton)  | 33                 | hours           | \$86.31    | \$2,848                                    | \$2,848                                   | 11 tr/pan @ 3 hr/tr-pan = 33.0 hours @ 1 units/crew = 33.0 hours                                   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Equipment Operator (Crane)   | 33                 | hours           | \$50.00    | \$1,650                                    | \$1,650                                   | 11 tr/pan @ 3 hr/tr-pan = 33.0 hours @ 1 units/crew = 33.0 hours                                   | loaded labor rate 2011 3rd party quote                    |
| Flatbed Trailer (40-ton)   | 33                 | hours           | \$6.26     | \$207                                      | \$207                                     | 11 tr/pan @ 3 hr/tr-pan = 33.0 hours @ 1 units/crew = 33.0 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Transf/Pans OnSite L/F                                     |                    |                 |            | \$7,279                                    | \$7,279                                   |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>3.6 Trans Transf/Pans to Onsite L/F</b>                             |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel  |   |
| Road Tractor (4 x 2, 30-ton)   | 5.5                | hours           | \$32.45    | \$0  | \$178                                     | 11 tr/pan @ 1 tr-pan/load = 11.0 loads @ 0.5 hr/load = 5.5 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver   | 5.5                | hours           | \$45.00    | \$0  | \$248                                     | 11 tr/pan @ 1 tr-pan/load = 11.0 loads @ 0.5 hr/load = 5.5 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)   | 5.5                | hours           | \$6.26     | \$0  | \$34                                      | 11 tr/pan @ 1 tr-pan/load = 11.0 loads @ 0.5 hr/load = 5.5 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transp Trans/Pans O/S L'Fill                                    |                    |                 |            | \$0  | \$460                                     | onsite disposal of transformers and pans   |   |
|  |                    |                 |            |  |   |  |   |
| <b>3.7 Unload Transf/Pans at O/S L/F</b>                               |                    |                 |            |  |   | prod'n rate = 2 hours/transformer + pan: 12-ton transformer + 2-ton pan                            |   |
| Laborer  | 22                 | hours           | \$39.00    | \$0  | \$858                                     | 11 tr/pan @ 2 hr/tr-pan = 22.0 hours @ 1 units/crew = 22.0 hours                                   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Yard Crane (25-ton)  | 22                 | hours           | \$86.31    | \$0  | \$1,899                                   | 11 tr/pan @ 2 hr/tr-pan = 22.0 hours @ 1 units/crew = 22.0 hours                                   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Equipment Operator (Crane)   | 22                 | hours           | \$50.00    | \$0  | \$1,100                                   | 11 tr/pan @ 2 hr/tr-pan = 22.0 hours @ 1 units/crew = 22.0 hours                                   | loaded labor rate 2011 3rd party quote                    |
| Flatbed Trailer (40-ton)   | 22                 | hours           | \$6.26     | \$0  | \$138                                     | 11 tr/pan @ 2 hr/tr-pan = 22.0 hours @ 1 units/crew = 22.0 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Transf/Pans Onsite                                       |                    |                 |            | \$0  | \$3,995                                   | onsite disposal of transformers and pans   |   |
|  |                    |                 |            |  |   |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

3.0 Fuels & PCB Mgmt Area

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|---|--------------------|-----------------|------------|--|---|--|---|
| <b>3.8 Offsite Disp - Transf/Pans</b>     |                    |                 |            |  |   | assumes off-site land disposal; 1 trans-pan/load; Facility Estimate assumes on-site disposal           |   |
| Offsite Transportation                    | 4235.0             | miles           | \$3.50     | \$14,823                                   | \$0                                       | 11 tr/pan @ 1 tr-pan/load = 11.0 loads @ 385 miles/trip = 4235.0 miles                                 | Rate: transporters quote/site experience                      |
| Offsite Disposal                          | 2233               | CF              | \$12.50    | \$27,913                                   | \$0                                       | 11 units @ 14 ton/unit = 154.0 ton @ 2 ton/CY 77 CY  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite Transf/Pans Disposal       |                    |                 |            | <b>\$42,735</b>                            | <b>\$0</b>                                |  |   |
| (Subt: Assemblies 3.5 thru 3.8)           |                    |                 |            | <b>\$50,014</b>                            | <b>\$11,734</b>                           | loading, transport & off-site land disposal of 11 transformers + pans; offsite T&D for transformer oil |   |
|   |                    |                 |            |  |   |  |   |
| <b>3.9 Transp T.O. Liquids Offsite</b>    |                    |                 |            |  |   | two (2) standing 6,000-gal tankers parked @ T.O. Bldg Unloading Ramp = 12,000 gallons                  |   |
| Transport in 6,000 Gal Tanker             | 3058               | miles           | \$3.50     | \$10,703                                   | \$10,703                                  | 12000 gals @ 6000 gal/tankr = 2.0 loads @ 1529 miles/trip = 3058.0 miles                               | Rate: transporters quote/site experience                      |
| Subt - Transp T.O. Liquids Offsite        |                    |                 |            | <b>\$10,703</b>                            | <b>\$10,703</b>                           |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>3.10 Offsite T.O. Liquids Disposal</b> |                    |                 |            |  |   | PCB liquid wastes  |   |
| Disposal Cost - Liquids                   | 12000              | gallons         | \$4.68     | \$56,160                                   | \$56,160                                  | 12000 gallons  | HWC/ETC 2004 & Current third party rate                       |
| Subt - Offsite T.O. Liquids Disposal      |                    |                 |            | <b>\$56,160</b>                            | <b>\$56,160</b>                           |  |   |
| (Subt: Assemblies 3.9 thru 3.10)          |                    |                 |            | <b>\$66,863</b>                            | <b>\$66,863</b>                           | offsite T&D of two (2) 6,000-gallon tankers  |   |
|   |                    |                 |            |  |   |  |   |
| <b>3.11 Decon T.O. Bldg/ramp (Wash)</b>   |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience                        |   |
| Laborer                                   | 79.4               | hours           | \$39.00    | \$3,097                                    | \$3,097                                   | 8342 SF @ 105 SF/hr = 79.4 hours @ 1 units/crew 79.4 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                           | 0                  | hours           | \$4.04     | \$0  | \$0                                       | not applicable   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                            | 0                  | hours           | \$0.83     | \$0  | \$0                                       | not applicable   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Vacuum-Pressure Wash Combo                | 79.4               | hours           | \$22.94    | \$1,821                                    | \$1,821                                   | 8342 SF @ 105 SF/hr = 79.4 hours @ 1 units/crew 79.4 hours   | equip't price: average of three quotes                        |
| Subt - Decon T.O. Bldg/ramp (wash)        |                    |                 |            | <b>\$4,918</b>                             | <b>\$4,918</b>                            |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>3.12 Decon T.O. Bldg/ramp (Rinse)</b>  |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience                        |   |
| Laborer                                   | 79.4               | hours           | \$39.00    | \$3,097                                    | \$3,097                                   | 8342 SF @ 105 SF/hr = 79.4 hours @ 2 units/crew 79.4 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                           | 0                  | hours           | \$4.04     | \$0  | \$0                                       | not applicable   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                            | 0                  | hours           | \$0.83     | \$0  | \$0                                       | not applicable   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Vacuum-Pressure Wash Combo                | 79.4               | hours           | \$22.94    | \$1,821                                    | \$1,821                                   | 8342 SF @ 105 SF/hr = 79.4 hours @ 1 units/crew 79.4 hours   | equip't price: average of three quotes                        |
| Subt - Decon T.O. bldg/ramp (rinse)       |                    |                 |            | <b>\$4,918</b>                             | <b>\$4,918</b>                            |  |   |
|   |                    |                 |            |  |   |  |   |
| <b>3.13 Decon Water Samp/Dispose</b>      |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs; facility treatment unit price = \$0.0273/gallon      |   |
| Technician                                | 2.2                | hours           | \$38.00    | \$84                                       | \$84                                      | 2.2 samp @ 0.5 hr/samp = 1.1 hours @ 2 units/crew 2.2 hours  | technician rate: rate 2011 3rd party quote                    |
| VOC Analysis (EPA 624)                    | 2.2                | samp            | \$105.00   | \$231                                      | \$231                                     | 2.0 areas 1.1 samp/area = 2.2 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                    | 834.2              | gal             | \$0.0313   | \$26                                       | \$26                                      | 8342 SF @ 0.05 gal/sf/wa = 417.1 gallons + 0.05 gal/SF/rinse = 834.2 gals                              | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose           |                    |                 |            | <b>\$341</b>                               | <b>\$341</b>                              |  |   |
|   |                    |                 |            |  |   |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

3.0 Fuels & PCB Mgmt Area

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|

|                                   |      |       |          |          |          |   |  |
|-----------------------------------|------|-------|----------|----------|----------|---|--|
| 3.14 PCB Wipe & Destruct Samp     |      |       |          |          |          | production rate = 0.5 hours/sample for two techs; rate same as facility's   |  |
| Technician                        | 15.3 | hours | \$38.00  | \$581    | \$581    | 15.3 samp @ 0.5 hr/samp = 7.7 hours @ 2 units/crew 15.3 hours               | technician rate: rate 2011 3rd party quote |
| TCLP (Metals/VOCs/Semi-VOCs)      | 2    | samp  | \$446.67 | \$893    | \$893    | 2.0 areas @ 1.0 samp/area = 2.0 samples                                     | analytical price: average of three quotes  |
| PCB Analysis (SW 8081/8082)       | 13.3 | samp  | \$83.33  | \$1,108  | \$1,108  | 8342 SF @ 625 SF/samp = 13.3 samples  | analytical price: average of three quotes  |
| Subt - PCB Wipe/Destruct Samp     |      |       |          | \$2,583  | \$2,583  |   |  |
| (Subt: Assemblies 3.11 thru 3.14) |      |       |          | \$12,760 | \$12,760 | decontamination, sampling, and analysis of T.O. Building and Unloading Ramp |  |

Total Non-Super hours 304.9

|                                   |      |       |          |         |         |  |   |
|-----------------------------------|------|-------|----------|---------|---------|--|---|
| 3.15 PPE Usage & H&S Planning     |      |       |          |         |         | Level C @ 75%; Mod Level C @ 25% for total non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Mod Level C           | 9.5  | days  | \$9.00   | \$86    | \$86    | 304.9 hours @ 8 hr/day = 38.1 days @ 25% "Mod C" days = 9.5 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C               | 28.6 | days  | \$25.00  | \$715   | \$715   | 304.9 hours @ 8 hr/day = 38.1 days @ 75% "C" days = 28.6 days                                      | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                   | 7.6  | hours | \$75.00  | \$570   | \$570   | 304.9 hours @ 2.5% hr/hr = 7.6 hours   | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning     |      |       |          | \$1,371 | \$1,371 |  |   |
| 3.16 Supervision                  |      |       |          |         |         | 1 week for closure of Fuels & PCB Management Area  |   |
| Foreman                           | 40   | hours | \$65.00  | \$2,600 | \$2,600 | 1 week @ 40 hrs/wk = 40.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager              | 0    | hours | \$75.00  | \$0     | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision            |      |       |          | \$2,600 | \$2,600 |  |   |
| 3.17 Certification                |      |       |          |         |         | Engineer @ 8 hrs and Clerical @8 hrs: site experience  |   |
| Engineer                          | 6.7  | hours | \$130.00 | \$871   | \$871   | 304.9 hours @ 0.015 hr/hr = 6.7 hours  | Engineer rate: 2011 3rd party quote                 |
| Clerical                          | 6.7  | hours | \$45.00  | \$302   | \$302   | 304.9 hours @ 0.015 hr/hr = 6.7 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification          |      |       |          | \$1,173 | \$1,173 |  |   |
| (Subt: Assemblies 3.15 thru 3.17) |      |       |          | \$5,143 | \$5,143 | supervision, health & saftey, and certification  |   |

|                          |             |       |       |           |           |
|--------------------------|-------------|-------|-------|-----------|-----------|
| 3.0 Fuels/PCB Management | Direct Cost | Total | Basic | \$160,716 | \$122,435 |
|--------------------------|-------------|-------|-------|-----------|-----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 3.0 Fuels/PCB Management<br>Total Cost Summary |  |  |                   |
|--|--|--|-------------------|
| Cost Category                                  | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011 Cost<br>OffSite<br>Disposal | Cost Range        |
|  |  |  |                   |
| Direct Costs/Basic Disposal                    |  | \$160,716                                    |                   |
|  |  |  |                   |
| Plus Indirect Costs/Profit:                    |  |  |                   |
| Site Activity Management Costs                 | 7.00%                                    | \$11,250                                     | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office               | 4.00%                                    | \$6,429                                      | note: DEC uses 4% |
| Pre-Construction Design Costs                  | 6.00%                                    | \$9,643                                      | note: DEC uses 6% |
| Engineering During Construction                | 2.00%                                    | \$3,214                                      | note: DEC uses 2% |
| General Contractor Profit                      | 6.00%                                    | \$9,643                                      | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal                  | 25.00%                                   | \$40,179                                     |                   |
|  |  |  |                   |
| Subtotal - Fuels/PCB Mgmt Area                 |  | \$200,894                                    | \$226,124         |
|  |  |  |                   |
| Plus Contingency                               | 10.00%                                   | \$20,089                                     | CWM and DEC 10%   |
|  |  |  |                   |
| Total - Fuels/PCB Mgmt Area                    |  | \$220,984                                    |                   |
|  |  |  |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

4.0 Stabilization

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|

|                                 | Inventory             |  |
|---------------------------------|-----------------------|--|
| RCRA Solids – Shredder/Landfill | 300 drums/75 cu. yds. |  |
| RCRA Solids - Stab/Landfill     | 83 rollofs/1040 tons  |  |
| RCRA Solids - Macro/Landfill    | 18 rollofs/288 tons   |  |
| PCB Liquids - Incineration      | 5 tankers/27,500 gals |  |

|                                   |      |       |         |         |         |   |  |
|-----------------------------------|------|-------|---------|---------|---------|---|--|
| 4.1 Inventory Verification        |      |       |         |         |         | prod'n rates: 2 drums/min/crew (100 drums/hour); and 8 tanker or rolloff/hour/crew; two persons required; |  |
| Laborer                           | 6    | hours | \$39.00 | \$234   | \$234   | 300 drums @ 100 drums/hr = 3.0 hours @ 2 units/crew = 6.0 hours   | HASP req's two; loaded labor rate 2011 3rd party quote |
| Laborer                           | 20.8 | hours | \$39.00 | \$811   | \$811   | 83 rollofs @ 8 rollofs/hr = 10.4 hours @ 2 units/crew = 20.8 hours  | HASP req's two; loaded labor rate 2011 3rd party quote |
| Laborer                           | 2.5  | hours | \$39.00 | \$98    | \$98    | 5 tankers @ 4 rollofs/hr = 1.2 hours @ 2 units/crew = 2.5 hours   | HASP req's two; loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification |      |       |         | \$1,143 | \$1,143 |   |  |
| (Subt: Assemblies 4.1)            |      |       |         | \$1,143 | \$1,143 | survey and inventory of capacity of Stabilization area  |  |

|  |        |       |          |          |          |   |   |
|--|--------|-------|----------|----------|----------|---|---|
| 4.2 Transp All Rollofs: Onsite Stab for Offsite disp |        |       |          |          |          | production rate = 0.5 hours/rolloff for on-site travel (all rollofs previouslyexisting at site) |   |
| Road Tractor (4 x 2, 30-ton)                         | 32.5   | hours | \$32.45  | \$1,055  | \$0      | 65 rollofs @ 1 rolloff/load = 65.0 loads @ 0.5 hours/trip = 32.5 hours                          | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver   | 32.5   | hours | \$45.00  | \$1,463  | \$0      | 65 rollofs @ 1 rolloff/load = 65.0 loads @ 0.5 hours/trip = 32.5 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Rolloff (30-CY) (existing equip't)                   | 0      | hours | \$19.02  | \$0      | \$0      | 0 rollofs @ 1 rolloff/load = 0.0 loads @ 0.5 hours/trip = 0.0 hours                             | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subtotal -Transport Rollofs Onsite                   |        |       |          | \$2,517  | \$0      |   |   |
| 4.2a Transp All Rollofs: Onsite Stab for Onsite disp |        |       |          |          |          | production rate = 0.5 hours/rolloff for on-site travel (all rollofs previouslyexisting at site) |   |
| Road Tractor (4 x 2, 30-ton)                         | 32.5   | hours | \$32.45  | \$0      | \$1,055  | 65 rollofs @ 1 rolloff/load = 65.0 loads @ 0.5 hours/trip = 32.5 hours                          | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver   | 32.5   | hours | \$45.00  | \$0      | \$1,463  | 65 rollofs @ 1 rolloff/load = 65.0 loads @ 0.5 hours/trip = 32.5 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Rolloff (30-CY) (existing equip't)                   | 0      | hours | \$19.02  | \$0      | \$0      | 0 rollofs @ 1 rolloff/load = 0.0 loads @ 0.5 hours/trip = 0.0 hours                             | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subtotal -Transport Rollofs Onsite                   |        |       |          | \$0      | \$2,517  |   |   |
| 4.3 Stabilization (non-Macro mat'l) for Offsite disp |        |       |          |          |          | prod'n rate = 100 tons/hour = 800 tons/day (non-Macro Room material); 30 CY roll = 16 tons      |   |
| PROCESS TONS (incl kiln dust)                        | 1196.0 | TONS  | n/a      |          |          | 65 rollofs @ 30 CY each @ 16 tons/rolloff + 15% kiln dust = 1196.0 tons                         | 30 CY/rolloff = 16 ton material/rolloff                   |
| Cement Kiln Dust - Mat'l&Delv Cost                   | 156.0  | tons  | \$48.00  | \$7,488  | \$0      | 65 rollofs @ 30 CY each @ 16 tons/rolloff + 15% kiln dust = 1196.0 tons                         | CWM actual 2011 costs                                     |
| Stabilization Cost                                   | 1040.0 | tons  | \$25.00  | \$26,000 | \$0      | Facility combined rate for material & delivery  | CWM actual 2011 costs inc. labor & equipment              |
| TCLP Testing - RCRA (EPA 1311)                       | 21.7   | samp  | \$348.33 | \$7,559  | \$0      | 65 rollofs @ 3 ro's/samp = 21.7 samples   | average of 3 third party labs; one sample per 3 rollofs   |
| Subt - Stabilization                                 |        |       |          | \$41,047 | \$0      | Facility include in stabilization rate; inc. labor & equipment                                  |   |
| 4.3a Stabilization (non-Macro mat'l) for Onsite disp |        |       |          |          |          | prod'n rate = 100 tons/hour = 800 tons/day (non-Macro Room material); 30 CY roll = 16 tons      |   |
| PROCESS TONS (incl kiln dust)                        | 1196.0 | TONS  | n/a      |          |          | 65 rollofs @ 30 CY each @ 16 tons/rolloff + 15% kiln dust = 1196.0 tons                         | 30 CY/rolloff = 16 ton material/rolloff                   |
| Cement Kiln Dust - Mat'l&Delv Cost                   | 156.0  | tons  | \$48.00  | \$0      | \$7,488  | 65 rollofs @ 30 CY each @ 16 tons/rolloff + 15% kiln dust = 1196.0 tons                         | CWM actual 2011 costs                                     |
| Stabilization Cost                                   | 1040.0 | tons  | \$25.00  | \$0      | \$26,000 | Facility combined rate for material & delivery  | CWM actual 2011 costs inc. labor & equipment              |
| TCLP Testing - RCRA (EPA 1311)                       | 21.7   | samp  | \$348.33 | \$0      | \$7,559  | 65 rollofs @ 3 ro's/samp = 21.7 samples   | average of 3 third party labs; one sample per 3 rollofs   |
| Subt - Stabilization                                 |        |       |          | \$0      | \$41,047 | Facility include in stabilization rate; inc. labor & equipment                                  |   |

Overall Site-Wide Closure Cost Estimate  
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4.0 Stabilization

| Basic Closure Activities: Direct Costs      | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                            | In-house Pricing References   |
|---|--------------------|-----------------|------------|--|---|---|---|
| <b>4.4 Load non-Macro Rolloffs</b>          |                    |                 |            |  |   | facility include in stabilization cost  |   |
| Laborer                                     | 0                  | hours           | \$39.00    | \$0  | \$0                                       | Not required  | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Backhoe (1 CY)                              | 0                  | hours           | \$19.18    | \$0  | \$0                                       |   | RSM/HC p. 467 (line item 01 54 33 20 0460)  |
| Equipment Operator (Medium)                 | 0                  | hours           | \$45.00    | \$0  | \$0                                       |   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30-CY) (existing equip't)          | 0                  | hours           | \$19.02    | \$0  | \$0                                       |   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Load non-Macro Rolloffs              |                    |                 |            | \$0  | \$0                                       |   |   |
| <b>4.5 Transp Rolloffs to Onsite L'fill</b> |                    |                 |            |  |   | production rate = 0.25 hours for onsite travel                                      |   |
| Road Tractor (4 x 2, 30-ton)                | 16.2               | hours           | \$32.45    | \$0  | \$526                                     | 65 rolloffs @ 1 rolloff/load = 65.0 loads @ 0.25 hours/trip = 16.2 hours            | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                      | 16.2               | hours           | \$45.00    | \$0  | \$729                                     | 65 rolloffs @ 1 rolloff/load = 65.0 loads @ 0.25 hours/trip = 16.2 hours            | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Subt - Transp RO's to Onsite Landfill       |                    |                 |            | \$0  | \$1,255                                   | Assembly estimate assumes on-site disposal  |   |
| <b>4.6 Unload non-Macro Rolloffs</b>        |                    |                 |            |  |   | production rate = 0.25 hours for unload in landfill                                 |   |
| Laborer                                     | 16.2               | hours           | \$39.00    | \$0  | \$632                                     | 65 rolloffs @ 1 rolloff/load = 65.0 loads @ 0.25 hours/trip = 16.2 hours            | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Backhoe (1 CY)                              | 16.2               | hours           | \$19.18    | \$0  | \$311                                     | 65 rolloffs @ 1 rolloff/load = 65.0 loads @ 0.25 hours/trip = 16.2 hours            | RSM/HC p. 467 (line item 01 54 33 20 0460)  |
| Equipment Operator (Medium)                 | 16.2               | hours           | \$45.00    | \$0  | \$729                                     | 65 rolloffs @ 1 rolloff/load = 65.0 loads @ 0.25 hours/trip = 16.2 hours            | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30-CY) (existing equip't)          | 0                  | hours           | \$19.02    | \$0  | \$0                                       |   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Unload RO's at Onsite L'Fill         |                    |                 |            | \$0  | \$1,672                                   | Assembly estimate assumes on-site disposal  |   |
| <b>4.7 Offsite Landfill Disp/Solids</b>     |                    |                 |            |  |   | assumes off-site land disposal; 42 roll-offs  |   |
| Offsite Transportation - Solids             | 28798.0            | miles           | \$3.25     | \$93,594                                   | \$0                                       | 1196 tons @ 16 tons/load = 74.8 loads @ 385 miles/trip = 28798 miles                | Rate: transporters quote/site experience  |
| Offsite Disp - Haz Rolloff Solids           | 1196.0             | tons            | \$133.00   | \$159,068                                  | \$0                                       | 65 rolloffs @ 30 CY each @ 16 tons/rolloff + 15% kiln dust = 1196.0 tons            | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Off-site Landfill/non-Macro          |                    |                 |            | \$252,662                                  | \$0                                       |   |   |
| <b>4.8 Stab n/Encap n (Macro mat'l)</b>     |                    |                 |            |  |   | production rate = 40 tons/hour = 320 tons/day (Macro material): for onsite disposal |   |
| PROCESS TONS (incl kiln dust)               | 419.2              | TONS            |            |  |   | 18 rolloffs @ 30 CY each @ 0.675 ton/CY + 15% absorbent = 419.2 tons                | 1 CY = 1,350# (0.675 ton) @ 50# per CF for "loose" mat'l                                    |
| Laborer                                     | 41.9               | hours           | \$39.00    | \$1,634                                    | \$0                                       | 419.2 tons @ 40 tons/hr @ 10.5 hours @ 4 units/crew = 41.9 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)                 | 21                 | hours           | \$50.00    | \$1,050                                    | \$0                                       | 419.2 tons @ 40 tons/hr @ 10.5 hours @ 2 units/crew = 21.0 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Backhoe (1 CY)                              | 10.5               | hours           | \$19.18    | \$201                                      | \$0                                       | 419.2 tons @ 40 tons/hr @ 10.5 hours @ 1 units/crew = 10.5 hours                    | RSM/HC p. 467 (line item 01 54 33 20 0460)  |
| Loader (Medium)                             | 10.5               | hours           | \$14.39    | \$151                                      | \$0                                       | 419.2 tons @ 40 tons/hr @ 10.5 hours @ 1 units/crew = 10.5 hours                    | RSM/HC p. 468 (line item 01 54 33 20 4610)  |
| Absorbent Additive                          | 81                 | CY              | \$38.70    | \$3,135                                    | \$0                                       | 18 rolloffs @ 30 CY each @ 15% additive = 81 CY                                     | 2004 DEC Rate * Implicit Deflator   |
| Encapsulation Container                     | 18.0               | units           | \$1,000.00 | \$18,000                                   | \$0                                       | 18.0 units  | CWM actual 2011 costs   |
| Rolloff (30-CY) (not used)                  | 0.0                | units           | \$19.02    | \$0  | \$0                                       | 0.0 units   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Stab'n/Encap'n - Macro Mat'l         |                    |                 |            | \$24,171                                   | \$0                                       |   |   |
| <b>4.9 Transp Macro Encap'n Onsite</b>      |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel                                       |   |
| Road Tractor (4 x 2, 30-ton)                | 9.0                | hours           | \$32.45    | \$0  | \$292                                     | 18 rolloffs @ 1 rolloff/load = 18.0 loads @ 0.5 hours/trip = 9.0 hours              | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                      | 9.0                | hours           | \$45.00    | \$0  | \$405                                     | 18 rolloffs @ 1 rolloff/load = 18.0 loads @ 0.5 hours/trip = 9.0 hours              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30-CY) (existing equip't)          | 0                  | hours           | \$19.02    | \$0  | \$0                                       |   | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subtotal - Transp Macro Encap'n             |                    |                 |            | \$0  | \$697                                     | Assembly estimate assumes on-site disposal  |   |

Overall Site-Wide Closure Cost Estimate  
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4.0 Stabilization

| Basic Closure Activities: Direct Costs      | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|---|--------------------|-----------------|------------|--|---|---|---|
| <b>4.10 Offsite Macro Encap'n</b>           |                    |                 |            |  |   | assumes off-site land disposal; 18 macro-encap. conts. on-site disposal                           |   |
| Offsite Transp'n - Encap Containers         | 6930.0             | miles           | \$3.25     | \$22,523                                   | \$0                                       | 18.0 contain @ 1 cont/load = 18.0 loads @ 385 miles/trip = 6930.0 miles                           | Rate: transporters quote/site experience  |
| Offsite Disposal - Encap Containers         | 510.0              | CY              | \$337.50   | \$172,125                                  | \$0                                       | 18.0 contain @ 30 CY/cont = 510.0 CY  | DEC 2004 Estimate accounting for inflation  |
| Subt - Offsite Landfill Disp/Solids         |                    |                 |            | <b>\$194,648</b>                           | <b>\$0</b>                                |   |   |
| (Subt: Assemblies 4.2 thru 4.10)            |                    |                 |            | <b>\$515,044</b>                           | <b>\$47,187</b>                           | onsite stabilization and offsite or onsite disposal of all Macro Room material                    |   |
| <b>4.11 Shred Drums with Contents</b>       |                    |                 |            |  |   | Shredding of drums not necessary. Drums transported direct to onsite landfill or offsite landfill |   |
| Laborer                                     | 0                  | hours           | \$39.00    | \$0  | \$0                                       |   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Drum Shredder                               | 0                  | hours           | \$329.70   | \$0  | \$0                                       |   | 2004 DEC Rate * Implicit Deflator   |
| Rolloff (30-CY)                             | 0                  | hours           | \$19.02    | \$0  | \$0                                       |   | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Load Drums for Offsite L'fill        |                    |                 |            | <b>\$0</b>                                 | <b>\$0</b>                                |   |   |
| <b>4.11a Load Full Solids Drums</b>         |                    |                 |            |  |   | production rate = 80 drums/hour/person; Facility experience                                       |   |
| Laborer                                     | 3.8                | hours           | \$39.00    | \$0  | \$148                                     | 300 drums @ 80 drums/hr = 3.8 loads @ 2 units/crew = 3.8 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Forklift                                    | 1.9                | hours           | \$22.21    | \$0  | \$42                                      | 300 drums @ 80 drums/hr = 3.8 loads @ 1 units/crew = 1.9 hours                                    | RSM/HC p. 470 (line item 01 54 33 40 2020)  |
| Flatbed Trailer (40-ton)                    | 1.9                | hours           | \$6.26     | \$0  | \$12                                      | 300 drums @ 80 drums/hr = 3.8 loads @ 1 units/crew = 1.9 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Load PCB Sol Drms to L'Fill          |                    |                 |            | <b>\$0</b>                                 | <b>\$202</b>                              |   |   |
| <b>4.12 Transp Full Drms: onsite L'fill</b> |                    |                 |            |  |   | Assumes onsite land disposal; 0.5 hr per load to onsite landfill                                  |   |
| Road Tractor (4 x 2, 30-ton)                | 1.9                | hours           | \$32.45    | \$0  | \$62                                      | 300 drums @ 80 drums/load = 3.8 loads @ 0.5 hr/load = 1.9 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                      | 1.9                | hours           | \$45.00    | \$0  | \$86                                      | 300 drums @ 80 drums/load = 3.8 loads @ 0.5 hr/load = 1.9 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Flatbed Trailer (40-ton)                    | 1.9                | hours           | \$6.26     | \$0  | \$12                                      | 300 drums @ 80 drums/load = 3.8 loads @ 0.5 hr/load = 1.9 hours                                   | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Shrd Drms to Onsite Landfill         |                    |                 |            | <b>\$0</b>                                 | <b>\$159</b>                              |   |   |
| <b>4.13 Unload Full Drms: onsite L'fill</b> |                    |                 |            |  |   | assumes on-site disposal: production rate = 80 drums/hour/person; Facility experience             |   |
| Laborer                                     | 3.8                | hours           | \$39.00    | \$0  | \$148                                     | 300 drums @ 80 drums/hr = 3.8 loads @ 2 units/crew = 3.8 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Forklift                                    | 1.9                | hours           | \$22.21    | \$0  | \$42                                      | 300 drums @ 80 drums/hr = 3.8 loads @ 1 units/crew = 1.9 hours                                    | RSM/HC p. 470 (line item 01 54 33 40 2020)  |
| Flatbed Trailer (40-ton)                    | 1.9                | hours           | \$6.26     | \$0  | \$12                                      | 300 drums @ 80 drums/hr = 3.8 loads @ 1 units/crew = 1.9 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6600)  |
| Subt - Unload Full Drums                    |                    |                 |            | <b>\$0</b>                                 | <b>\$202</b>                              |   |   |
| <b>4.14 Offsite Disp Full Drums</b>         |                    |                 |            |  |   | assumes off-site land disposal; volume based on 4 drums/CY (+ drum contents)                      |   |
| Offsite Transp'n - Drum Mat'l               | 1463.0             | miles           | \$3.50     | \$5,121                                    | \$0                                       | 300 drums @ 80 drums/ld = 3.8 loads @ 385 miles/trip = 1463.0 miles                               | Rate: transporters quote/site experience  |
| Offsite Disposal - Drum Mat'l               | 300                | drums           | \$100.00   | \$30,000                                   | \$0                                       | 300 drums   | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite L/F Disp: Full Drums         |                    |                 |            | <b>\$35,121</b>                            | <b>\$0</b>                                | disposal of 300 drums with contents from drum shred area  |   |
| (Subt: Assemblies 4.11 thru 4.14)           |                    |                 |            | <b>\$35,121</b>                            | <b>\$564</b>                              |   |   |
| <b>4.15 Offsite T&amp;D - Tankers</b>       |                    |                 |            |  |   | five 5,500-gal existing tankers loaded and parked at stabilization parking area                   |   |
| Offsite Transp'n - 5.5K-gal Tankers         | 7645.0             | miles           | \$3.50     | \$26,758                                   | \$26,758                                  | 5 tankers @ 1529 miles/load = 7645.0 miles  | Rate: transporters quote/site experience  |
| Off-site Disp - Incin Bulk PCB Liqs         | 27500.0            | gallons         | \$4.68     | \$128,700                                  | \$128,700                                 | 5 tankers @ 5500 gals/tankr = 27500.0 gals  | HWC/ETC 2004 & Current third party rate   |
| Subt - Offsite T&D - Tankers                |                    |                 |            | <b>\$155,458</b>                           | <b>\$155,458</b>                          | offsite transportation and disposal of 10 five-thousand gallon tankers from stabilization area    |   |
| (Subt: Assemblies 4.15)                     |                    |                 |            | <b>\$155,458</b>                           | <b>\$155,458</b>                          |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

4.0 Stabilization

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References   |
|--|--------------------|-----------------|------------|--|---|--|---|
| <b>4.16 Decon Equipment</b>            |                    |                 |            |  |   | prod'n rate = 52.5 SF/hr (1/2 of RSM/UP p. 9-167, 33-17-0813, as wash & rinse are combined)          |   |
| Reagent Silo/Hopper                    | 19.0               | hours           | \$121.50   | \$2,309                                    | \$2,309                                   | 2 units @ 500 SF each = 1000.0 SF @ 52.5 SF/hour = 19.0 hours  | 2004 DEC Rate * Implicit Deflator                                   |
| Control Room                           | 19.0               | hours           | \$121.50   | \$2,309                                    | \$2,309                                   | 1 units @ 1000 SF each = 1000.0 SF @ 52.5 SF/hour = 19.0 hours                                       | assume 20' x 10' x 10' (L x W x H)                                  |
| Air Compressor/Ancillary Equip't       | 1.9                | hours           | \$121.50   | \$231                                      | \$231                                     | 1 units @ 100 SF each = 100.0 SF @ 52.5 SF/hour = 1.9 hours  | assume 100 SF   |
| Hydraulic Skid/Ancillary Equip't       | 14.3               | hours           | \$121.50   | \$1,737                                    | \$1,737                                   | 1 units @ 750 SF each = 750.0 SF @ 52.5 SF/hour = 14.3 hours   | assume 750 SF   |
| Drum Shredder                          | 0.0                | hours           | \$121.50   | \$0  | \$0                                       | Drum Shredder cleaned and removed 2009   |   |
| Knuckle Boom                           | 9.5                | hours           | \$121.50   | \$1,154                                    | \$1,154                                   | 1 units @ 500 SF each = 500.0 SF @ 52.5 SF/hour = 9.5 hours  | assume 500 SF   |
| Backhoe                                | 1.9                | hours           | \$121.50   | \$231                                      | \$231                                     | 1 units @ 100 SF each = 100.0 SF @ 52.5 SF/hour = 1.9 hours  | assume 100 SF   |
| Subt - Decon Equip't (wash & rinse)    |                    |                 |            | \$7,970                                    | \$7,970                                   | 7 units 3450.0 SF total  |   |
|  |                    |                 |            |  |   |  |   |
| <b>4.17 Decon Water Samp/Dispose</b>   |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs; facility treatment unit price = \$0.0273/gallon    |   |
| Technician                             | 7.7                | hours           | \$38.00    | \$293                                      | \$293                                     | 7.7 samp @ 0.5 hr/samp = 3.8 hours @ 2 units/crew = 7.7 hours  | technician rate: rate 2011 3rd party quote                          |
| VOC Analysis (EPA 624)                 | 7.7                | samp            | \$105.00   | \$809                                      | \$809                                     | 7.0 units @ 1.1 samp/unit = 7.7 samples  | analytical price: average of three quotes                           |
| Onsite Water Disposal                  | 3150.0             | gal             | \$0.0313   | \$99                                       | \$99                                      | 3450.0 SF @ 0.5 gal/sf/wa = 2100.0 gallons + 0.25 gal/sf/rinse = 1050.0 gallons                      | facility o/s mild waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$1,200                                    | \$1,200                                   |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>4.18 PCB Wipe Samples</b>           |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs; rate same as facility's                            |   |
| Technician                             | 7.7                | hours           | \$38.00    | \$293                                      | \$293                                     | 7.7 samp @ 0.5 hr/samp = 3.8 hours @ 2 units/crew = 7.7 hours  | technician rate: rate 2011 3rd party quote                          |
| PCB Analysis/Wipe Test (SW 8081/8082)  | 7.7                | samp            | \$83.33    | \$642                                      | \$642                                     | 7.0 units @ 1.1 samp/unit = 7.7 samples  | analytical price: average of three quotes                           |
| Subt - Wipe Samples                    |                    |                 |            | \$934                                      | \$934                                     |  |   |
|  |                    |                 |            |  |   |  |   |
| <b>4.19 Dismant/Load Equipment</b>     |                    |                 |            |  |   | prod'n rate = 150 SF/hr (based upon removing one 20K-gal tank in 8 hrs: 1,225 SF div. by 8 = 153 sf) |   |
| Laborer                                | 46.0               | hours           | \$39.00    | \$1,794                                    | \$1,794                                   | 3450 SF @ 150 SF/hour 23.0 hours 2 units/crew = 46.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Welding Equipment (300 amp towable)    | 23.0               | hours           | \$4.90     | \$113                                      | \$113                                     | 3450 SF @ 150 SF/hour 23.0 hours 1 units/crew = 23.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Yard Crane (25-ton)                    | 23.0               | hours           | \$86.31    | \$1,985                                    | \$1,985                                   | 3450 SF @ 150 SF/hour 23.0 hours 1 units/crew = 23.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                          |
| Equipment Operator (Crane)             | 23.0               | hours           | \$50.00    | \$1,150                                    | \$1,150                                   | 3450 SF @ 150 SF/hour 23.0 hours 1 units/crew = 23.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Subt - Dismantle Equipment             |                    |                 |            | \$5,042                                    | \$5,042                                   |  |   |
| (Subt: Assemblies 4.16 thru 4.19)      |                    |                 |            | \$15,146                                   | \$15,146                                  | decontaminating and dismantling Equipment  |   |
|  |                    |                 |            |  |   |  |   |
| <b>4.20 Demo/Load/Trans Ducts/Bagh</b> |                    |                 |            |  |   | prod'n rates: 125 LF/hr (ductwork) = 7 days; four days/unit (baghouses) = 32 days; total = 39 days   |   |
| Dismantle/Cut/Load Ductwork            | 7040.0             | LF              | \$2.14     | \$15,066                                   | \$15,066                                  | 7040 LF @ 3 SF/LF = 21120.0 SF @ 0.021 CF/SF = 16.4 CY   | 2004 DEC Rate * Implicit Deflator                                   |
| Dismantle/Cut/Load Baghouses           | 8.0                | each            | \$7,340.17 | \$58,721                                   | \$58,721                                  | 8 units @ 2500 SF/unit = 20000.0 SF @ 0.021 CF/SF = 15.6 CY  | 2001 Rate * Implicit Deflator                                       |
| Subt - Dismantle Ducts/Baghouses       |                    |                 |            | \$73,787                                   | \$73,787                                  |  |   |
|  |                    |                 |            |  |   |  |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

4.0 Stabilization

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|--|---|--|---|
| <b>4.21 Unload/Stabilize/Encapsulate</b>  |                    |                 |            |  |   | production rate = 15 tons/hour = 120 tons/day; includes shredding and filling containers         |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 37.2               | TONS            |            |  |   | 32.0 CY @ 1.0125 ton/CY + 15% kiln dust = 37.2 tons  | 1 CY = 2,025# (1.0125 ton) @ 75# per CF                   |
| Laborer                                   | 5.0                | hours           | \$39.00    | \$195                                      | \$195                                     | 37.2 tons @ 15 tons/hr @ 2.5 hours @ 2 units/crew = 5.0 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 7.4                | hours           | \$45.00    | \$333                                      | \$333                                     | 37.2 tons @ 15 tons/hr @ 2.5 hours @ 3 units/crew = 7.4 hours                                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 2.5                | hours           | \$19.18    | \$48                                       | \$48                                      | 37.2 tons @ 15 tons/hr @ 2.5 hours @ 1 units/crew = 2.5 hours                                    | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 2.5                | hours           | \$14.39    | \$36                                       | \$36                                      | 37.2 tons @ 15 tons/hr @ 2.5 hours @ 1 units/crew = 2.5 hours                                    | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 2.5                | hours           | \$329.70   | \$824                                      | \$824                                     | 37.2 tons @ 15 tons/hr @ 2.5 hours @ 1 units/crew = 2.5 hours                                    | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 2.5                | hours           | \$136.29   | \$341                                      | \$341                                     | 37.2 tons @ 15 tons/hr @ 2.5 hours @ 1 units/crew = 2 5 hours                                    | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0.0                | tons            | \$0.00     | \$0  | \$0                                       | 32.0 CY @ 1.0125 ton/CY @ 15% kiln dust = 4.9 tons   |   |
| Cement Kiln Dust - Delivery Cost          | 0.0                | loads           | \$0.00     | \$0  | \$0                                       | 4.9 tons @ 20 ton/load = 0.2 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 4.9                | tons            | \$48.00    | \$235                                      | \$235                                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers                  | 2.0                | units           | \$1,000.00 | \$2,000                                    | \$2,000                                   | 37.2 tons @ 18.6 ton/unit = 2.0 containers   | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 5.0                | hours           | \$19.02    | \$95                                       | \$95                                      | 37.2 tons @ 18.6 tons/unit = 2.0 rolloffs @ 2.5 hours/rolloff = 5.0 hours                        | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$4,107</b>                             | <b>\$4,107</b>                            |  |   |
| <b>4.22 Transp Encap Units onsite L'F</b> |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel  |   |
| Road Tractor (4 x 2, 30-ton)              | 1.0                | hours           | \$32.45    | \$0  | \$32                                      | 2 rolloffs @ 1 rolloff/load = 2.0 loads @ 0.5 hours/trip = 1.0 hours                             | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                    | 1.0                | hours           | \$45.00    | \$0  | \$45                                      | 2 rolloffs @ 1 rolloff/load = 2.0 loads @ 0.5 hours/trip = 1.0 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Rolloff (30-CY) (existing equip't)        | 0.0                | hours           | \$19.02    | \$0  | \$0                                       |  | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Shrd Drms to Onsite Landfill       |                    |                 |            | <b>\$0</b>                                 | <b>\$77</b>                               | Transport to onsite landfill for disposal  |   |
| <b>4.23 Offsite Disp/Bghouse-Duct</b>     |                    |                 |            |  |   | assumes off-site disposal; 2 macro-encap cont.; stabilized/encap. Baghouse debris                |   |
| Offsite Transp - Baghouse/Duct            | 770.0              | miles           | \$3.25     | \$2,503                                    | \$0                                       | 37.2 tons @ 18.6 tons/load = 2.0 loads @ 385 miles/trip = 770.0 miles                            | Rate: transporters quote/site experience                  |
| Offsite Disp'l - Baghouse/Duct Deb        | 36.8               | CY              | \$337.50   | \$12,420                                   | \$0                                       | 37.2 tons @ 1.013 tons/CY = 36.8 CY @ 27 CF/CY = 993.0 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite B'house/Duct Disp'l        |                    |                 |            | <b>\$14,923</b>                            | <b>\$0</b>                                |  |   |
| <i>(Subt: Assemblies 4.20 thru 4.23)</i>  |                    |                 |            | <b>\$92,817</b>                            | <b>\$77,972</b>                           | <i>demolition, stabilization, encapsulation, and off-site disposal of ductwork and baghouses</i> |   |
| <b>4.24 Decon Stab'n Areas (wash)</b>     |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience              |   |
| Laborer                                   | 628.6              | hours           | \$39.00    | \$24,515                                   | \$24,515                                  | 66009 SF @ 105 SF/hr = 628.6 hours @ 1 units/crew = 628.6 hours                                  | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 396.4              | hours           | \$4.04     | \$1,601                                    | \$1,601                                   | 41619 SF @ 105 SF/hr = 396.4 hours @ 1 units/crew = 396.4 hours                                  | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 0.0                | hours           | \$0.83     | \$0  | \$0                                       |  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Vacuum-Pressure Wash Combo                | 232.3              | hours           | \$22.94    | \$5,329                                    | \$5,329                                   | 24390 SF @ 105 SF/hr = 232.3 hours @ 1 units/crew = 232.3 hours                                  | equip't price: average of three quotes                    |
| Subt - Decon Stab'n Areas (wash)          |                    |                 |            | <b>\$31,445</b>                            | <b>\$31,445</b>                           | Pressure wash containment areas, walls, pits, & vacuum-pressure wash floors                      |   |
| <b>4.25 Decon Stab'n Areas (rinse)</b>    |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience              |   |
| Laborer                                   | 232.3              | hours           | \$39.00    | \$9,060                                    | \$9,060                                   | 24390 SF @ 105 SF/hr = 232.3 hours @ 1 units/crew = 232.3 hours                                  | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 0.0                | hours           | \$4.04     | \$0  | \$0                                       |  | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 0.0                | hours           | \$0.83     | \$0  | \$0                                       |  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Vacuum-Pressure Wash Combo                | 232.3              | hours           | \$22.94    | \$5,329                                    | \$5,329                                   | 24390 SF @ 105 SF/hr = 232.3 hours @ 1 units/crew = 232.3 hours                                  | equip't price: average of three quotes                    |
| Subt - Decon Stab'n Areas (rinse)         |                    |                 |            | <b>\$14,389</b>                            | <b>\$14,389</b>                           | Rinse floor areas only   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

4.0 Stabilization

| Basic Closure Activities: Direct Costs       | Estimated Quantity | Unit of Measure | Unit Price   | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|--------------|--|---|--|---|
| <b>4.26 Decon Water Samp/Dispose</b>         |                    |                 |              |  |   | production rate = 0.5 hours/sample for two techs;  |   |
| Technician                                   | 13.2               | hours           | \$38.00      | \$502                                      | \$502                                     | 13.2 samp @ 0.5 hr/samp = 6.6 hours @ 2 units/crew 13.2 hours                                    | technician rate: rate 2011 3rd party quote                    |
| VOC Analysis (EPA 624)                       | 13.2               | samp            | \$105.00     | \$1,386                                    | \$1,386                                   | 12.0 areas @ 1.1 samp/area = 13.2 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal (wash only)           | 20809.5            | gal             | \$0.0313     | \$651                                      | \$651                                     | 41619 SF @ 0.5 gal/sf/wa = 20809.5 gallons   | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit)  |
| On-site Water Disposal (wash-rinse)          | 1219.5             | gal             | \$0.0313     | \$38                                       | \$38                                      | 24390 SF @ 0.05 gal/sf/wa = 1219.5 gallons + 0.05 gal/sf/rinse = 1219.5 gallons                  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose              |                    |                 |              | \$2,577                                    | \$2,577                                   |  |   |
|  |                    |                 |              |  |   |  |   |
| <b>4.27 PCB Wipe &amp; Destruct Samp</b>     |                    |                 |              |  |   | production rate 0.5 hours/sample for two techs; rate same as facility's                          |   |
| Technician                                   | 75.4               | hours           | \$38.00      | \$2,865                                    | \$2,865                                   | 74.4 samp @ 0.5 hr/samp = 37.7 hours @ 2 units/crew = 75.4 hours                                 | technician rate: rate 2011 3rd party quote                    |
| TCLP (Metals/VOCs/Semi-VOCs)                 | 2.0                | samp            | \$446.67     | \$893                                      | \$893                                     | 2.0 areas @ 1 samp/area = 2.0 samples Uncoated concrete areas                                    | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)                  | 75.4               | samp            | \$83.33      | \$6,283                                    | \$6,283                                   | 47129.0 SF @ 625 SF/samp = 75.4 samples  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp                |                    |                 |              | \$10,042                                   | \$10,042                                  |  |   |
| (Subt: Assemblies 4.24 thru 4.27)            |                    |                 |              | \$58,452                                   | \$58,452                                  | decontamination & sampling of floors, sumps, and pits  |   |
| Total Non-Super hours 1263.6                 |                    |                 |              |  |   |  |   |
| <b>4.28 PPE Usage &amp; H&amp;S Planning</b> |                    |                 |              |  |   | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Mod Level C                      | 39.5               | days            | \$9.00       | \$356                                      | \$356                                     | 1263.6 hours @ 8 hr/day = 158.0 days @ 25% "Mod C" days = 39.5 days                              | 25% of non-supv hrs in Mod Level C (price: \$9/day)           |
| PPE Usage - Level C                          | 118.5              | days            | \$25.00      | \$2,963                                    | \$2,963                                   | 1263.6 hours @ 8 hr/day = 158.0 days @ 75% "C" days = 118.5 days                                 | 75% of non-supv hrs in Level C (price: \$25/day)              |
| Health & Safety Officer                      | 31.6               | hours           | \$75.00      | \$2,370                                    | \$2,370                                   | 1263.6 hours @ 2.5% hr/hr = 31.6 hours   | Safety Eng Rate: rate 2011 3rd party quote                    |
| Subt - PPE Usage/H&S Planning                |                    |                 |              | \$5,688                                    | \$5,688                                   |  |   |
|  |                    |                 |              |  |   |  |   |
| <b>4.29 Supervision</b>                      |                    |                 |              |  |   | 4 weeks for closure of Stabilization   |   |
| Foreman                                      | 160                | hours           | \$65.00      | \$10,400                                   | \$10,400                                  | 4 weeks @ 40 hrs/wk = 160.0 hours  | Outside foreman rate: 2011 3rd party quote                    |
| Site Project Manager                         | 0                  | hours           | \$75.00      | \$0  | \$0                                       | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote                       |
| Subtotal - Supervision                       |                    |                 |              | \$10,400                                   | \$10,400                                  |  |   |
|  |                    |                 |              |  |   |  |   |
| <b>4.30 Certification</b>                    |                    |                 |              |  |   | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory labor hours for all tasks           |   |
| Engineer                                     | 19                 | hours           | \$130.00     | \$2,470                                    | \$2,470                                   | 1263.6 hours @ 0.015 hr/hr = 19.0 hours  | Engineer rate: 2011 3rd party quote                           |
| Clerical                                     | 19                 | hours           | \$45.00      | \$855                                      | \$855                                     | 1263.6 hours @ 0.015 hr/hr = 19.0 hours  | Clerical rate: 2011 3rd party quote                           |
| Subtotal - Certification                     |                    |                 |              | \$3,325                                    | \$3,325                                   |  |   |
| (Subt: Assemblies 4.28 thru 4.30)            |                    |                 |              | \$19,413                                   | \$19,413                                  | supervision, health & safety, and certification  |   |
| <b>4.0 Stabilization Activity</b>            | <b>Direct Cost</b> | <b>Total</b>    | <b>Basic</b> | <b>\$892,593</b>                           | <b>\$375,334</b>                          |  |   |

Overall Site-Wide Closure Cost Estimate  
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|                                   |  |  |                   |
|-----------------------------------|--|--|-------------------|
| 4.0 Stabilization                 |  |  |                   |
| Total Cost Summary                |  |  |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011 Cost<br>OffSite<br>Disposal | Cost Range        |
|                                   |  |  |                   |
| Direct Costs/Basic Disposal       |  | \$892,593                                    |                   |
|                                   |  |  |                   |
| Plus Indirect Costs/Profit:       |  |  |                   |
| Site Activity Management Costs    | 7.00%                                    | \$62,482                                     | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$35,704                                     | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$53,556                                     | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$17,852                                     | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$53,556                                     | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$223,148                                    |                   |
|                                   |  |  |                   |
| Subtotal - Stabilization Activity |  | \$1,115,741                                  |                   |
|                                   |  |  |                   |
| Plus Contingency                  | 10.00%                                   | \$111,574                                    | CWM and DEC 10%   |
|                                   |  |  |                   |
| Total - Stabilization             |  | \$1,227,316                                  |                   |
|                                   |  |  |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.01 AWTS/CSAs 24/25/26

| Basic Closure Activities: Direct Costs        | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                                | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.01.1 Inventory Verification</b>          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required |   |
| Laborer                                       | 2.6                | hours           | \$39.00    | \$101                   | 128 drums @ 100 drums/hr = 1.3 hours @ 2 units/crew = 2.6 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Laborer                                       | 1.0                | hours           | \$39.00    | \$39                    | 2 tankers @ 0.25 hr/tanker = 0.5 hours @ 2 units/crew = 1.0 hours                       | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Laborer                                       | 0.5                | hours           | \$39.00    | \$20                    | 1 rollofs @ 0.25 hr/rolloff = 0.3 hours @ 2 units/crew = 0.5 hours                      | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification             |                    |                 |            | \$160                   |   | (note: labor rate is a composite of "common bldg laborer" |
| (Subt: Assemb 5.01.1 - 5.01.1)                |                    |                 |            | \$160                   | conducting inventory of CSAs 24/25/26   |   |
| <b>5.01.2 Empty 2 Tankers</b>                 |                    |                 |            |                         | included in operation of AWT Assembly 13.0; two tankers parked at CSA 25 = 12,000 gals  |   |
| Laborer                                       | 0.0                | hours           | \$39.00    | \$0                     | 12000 gals @ 1650 gals/hr = 7.3 hours @ 2 units/crew = 14.5 hours                       | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                             | 0.0                | hours           | \$0.00     | \$0                     | 12000 gals @ 1650 gals/hr = 7.3 hours @ 1 units/crew = 7.3 hours                        | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (2 @ 6K-gals)                    | 0.0                | hours           | \$6.31     | \$0                     | 12000 gals @ 1650 gals/hr = 7.3 hours @ 1 units/crew = 7.3 hours                        | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty 2 Tankers' Contents              |                    |                 |            | \$0                     |   |   |
| <b>5.01.3 O/S Aqueous Treat:Tankers</b>       |                    |                 |            |                         | Aqueous gate receipts cost to treat not including labor and maintenance                 |   |
| Onsite Aqu Treat - Tankers                    | 12000.0            | gallons         | \$0.1526   | \$1,831                 | 12000 gallons   | AWTS Treatments costs "Other" = Gate receipts             |
| Subt - O/S Aqu Trt - Tankers                  |                    |                 |            | \$1,831                 | onsite treatment of liquid wastes from two tankers                                      |   |
| <b>5.01.4 Empty 128 Drums</b>                 |                    |                 |            |                         | included in operation of AWT Assembly 13.0; two tankers parked at CSA 25 = 12,000 gals  |   |
| Laborer                                       | 0.0                | hours           | \$39.00    | \$0                     | 128 drums @ 12 drums/hr = 10.7 hours @ 2 units/crew = 21.3 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                             | 0.0                | hours           | \$71.47    | \$0                     | 128 drums @ 12 drums/hr = 10.7 hours @ 1 units/crew = 10.7 hours                        | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Decon Drums                                   | 0.0                | drum            | \$0.00     | \$0                     | 128 drums @ 55 gals/drum = 7040.0 gals  |   |
| Subt - Empty 128 Drums' Contents              |                    |                 |            | \$0                     |   |   |
| <b>5.01.5 O/S Aqueous Treat: Drums</b>        |                    |                 |            |                         | Aqueous gate receipts cost to treat not including labor and maintenance                 |   |
| Onsite Aqu Treat - Tankers/Drums              | 7040.0             | gallons         | \$0.1526   | \$1,074                 | 7040 gallons  | AWTS Treatments costs "Other" = Gate receipts             |
| Subt - O/S Aqu Trt - Tankers/Drums            |                    |                 |            | \$1,074                 |   |   |
| (Subt: Assemb 5.01.2 - 5.01.5)                |                    |                 |            | \$2,906                 | onsite treatment of liquid wastes from 128 drums  |   |
| <b>5.01.6 Offsite T&amp;D/FiltPressSolids</b> |                    |                 |            |                         | 32,000 Lbs (16 tons) of Filter Press Solids contained in 30-CY Rolloff parked at CSA 26 |   |
| Transportation                                | 1529.0             | hours           | \$3.25     | \$4,969                 | 16.0 tons @ 16 tons/load = 1.0 loads @ 1529 miles/trip = 1529.0 miles                   | Rate: transporters quote/site experience                  |
| Disposal                                      | 32000.0            | Lb              | \$0.64     | \$20,480                | 32000.0 Lbs   | Current CWM 2011 third party rate                         |
| Subt - O/S T&D/Filter Press Solids            |                    |                 |            | \$25,449                |   |   |
| (Subt: Assemb 5.01.6 - 5.01.6)                |                    |                 |            | \$25,449                | offsite transportation and disposal of 32,000 Lbs of filter press solids                |   |
| <b>5.01.7 Load Empty Aqueos Drums</b>         |                    |                 |            |                         | production rate = 80 drums/hour (double the rate of full drums @ RSM/UP p. 9-171,       |   |
| Laborer                                       | 1.6                | hours           | \$39.00    | \$62                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                                      | 1.6                | hours           | \$22.21    | \$36                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                          | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)                      | 1.6                | hours           | \$6.26     | \$10                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                          | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Empty Drums                       |                    |                 |            | \$108                   |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.01 AWTS/CSAs 24/25/26

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                        | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.01.8 Transp Drms to Onsite Shrd      |                    |                 |            |                         | production rate = 0.5 hours for onsite travel                                   |   |
| Road Tractor (4 x 2, 30-ton)           | 0.8                | hours           | \$32.45    | \$26                    | 128 drums @ 80 drum/load = 1.6 loads @ 0.5 hours/trip = 0.8 hours               | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.8                | hours           | \$45.00    | \$36                    | 128 drums @ 80 drum/load = 1.6 loads @ 0.5 hours/trip = 0.8 hours               | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Flatbed Trailer (40-ton)               | 0.8                | hours           | \$6.26     | \$5                     | 128 drums @ 80 drum/load = 1.6 loads @ 0.5 hours/trip = 0.8 hours               | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Transp to Onsite Shredder       |                    |                 |            | \$67                    |   |   |
| 5.01.9 Unload Empty Drums              |                    |                 |            |                         | production rate = 80 drums/hour   |   |
| Laborer                                | 1.6                | hours           | \$39.00    | \$62                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                               | 1.6                | hours           | \$22.21    | \$36                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                  | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)               | 1.6                | hours           | \$6.26     | \$10                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                  | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Unload Empty Drums              |                    |                 |            | \$108                   |   |   |
| 5.01.10 Onsite Drum Shredding          |                    |                 |            |                         | prod'n = 80 drums/hour  |   |
| Laborer                                | 3.2                | hours           | \$39.00    | \$125                   | 128 drums @ 80 drums/hr = 1.6 hours @ 2 units/crew = 3.2 hours                  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Shredder                               | 1.6                | hours           | \$328.75   | \$526                   | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                  | 2004 DEC Rate * Implicit Deflator                         |
| Rolloff (30-CY)                        | 1.6                | hours           | \$19.02    | \$30                    | 128 drums @ 80 drums/hr = 1.6 hours @ 1 units/crew = 1.6 hours                  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Onsite Drum Shredding           |                    |                 |            | \$681                   |   |   |
| 5.01.11 Trans Shrd Drms: onsite L'fil  |                    |                 |            |                         | Not Applicable: assumes off-site land disposal                                  |   |
| Road Tractor (4 x 2, 30-ton)           | 0.0                | hours           | \$32.45    | \$0                     |   | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     |   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Rolloff (30-CY)                        | 0.0                | hours           | \$19.02    | \$0                     |   | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Transp Shrd mat'l to Landfill   |                    |                 |            | \$0                     |   |   |
| 5.01.12 Unload Shred. Drum Debris      |                    |                 |            |                         | Not Applicable: assumes off-site land disposal                                  |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     |   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader (small)                         | 0.0                | hours           | \$2.12     | \$0                     |   | RSM/HC p. 468 (line item 01 54 33 20 3860)                |
| Rolloff (30-CY)                        | 0.0                | hours           | \$19.02    | \$0                     |   | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Unload Shrd'd Mat'l at Landfill |                    |                 |            | \$0                     |   |   |
| 5.01.13 Offsite Disp/Shrd'd Drums      |                    |                 |            |                         | assumes off-site land disposal of shredded drums; 20 tons/load                  |   |
| Offsite Transportation                 | 5.0                | miles           | \$3.25     | \$16                    | 1.3 tons @ 20 tons/load = 0.1 loads @ 5 miles/trip = 5 miles                    | Rate: transporters quote/site experience                  |
| Offsite Disposal - Landfill            | 1.3                | tons            | \$35.00    | \$46                    | 128 drums @ 20 lbs/drum = 1.3 tons @ 1 tons/CY = 1.3 CY                         | Modern Disposal/Site Experience                           |
| Subt - Offsite Shrd'd Drums Disp'l     |                    |                 |            | \$62                    |   |   |
| (Subt: Assems. 5.01.7 thru 5.01.13)    |                    |                 |            | \$1,026                 | onsite drum shredding and off-site disposal                                     |   |
| 5.01.14 Decon CSA Areas (wash)         |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience |   |
| Laborer                                | 40.0               | hours           | \$39.00    | \$1,560                 | 4200 SF @ 105 SF/hr = 40.0 hours @ 1 unit/crew = 40.0 hours                     | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pressure Washer                        | 40.0               | hours           | \$4.04     | \$162                   | 4200 SF @ 105 SF/hr = 40.0 hours @ 1 unit/crew = 40.0 hours                     | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                         | 40.0               | hours           | \$0.83     | \$33                    | 4200 SF @ 105 SF/hr = 40.0 hours @ 1 unit/crew = 40.0 hours                     | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon CSA Areas (wash)          |                    |                 |            | \$1,755                 |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.01 AWTS/CSAs 24/25/26

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                        | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.01.15 Decon CSA Areas (rinse)        |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience |   |
| Laborer                                | 40.0               | hours           | \$39.00    | \$1,560                 | 4200 SF @ 105 SF/hr = 40.0 hours @ 1 unit/crew = 40.0 hours                     | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Pressure Washer                        | 40.0               | hours           | \$4.04     | \$162                   | 4200 SF @ 105 SF/hr = 40.0 hours @ 1 unit/crew = 40.0 hours                     | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 40.0               | hours           | \$0.83     | \$33                    | 4200 SF @ 105 SF/hr = 40.0 hours @ 1 unit/crew = 40.0 hours                     | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon CSA Areas (rinse)         |                    |                 |            | \$1,755                 |   |   |
| 5.01.16 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs;                               |   |
| Technician                             | 3.3                | hours           | \$38.00    | \$125                   | 3.3 samp @ 0.5 hr/samp = 1.7 hours @ 2 pers/crew = 3.3 hours                    | technician rate: rate 2011 3rd party quote                    |
| VOC Analysis (EPA 624)                 | 3.3                | samp            | \$105.00   | \$347                   | 3.0 areas @ 1.1 samp/area = 3.3 samples   | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 2000.0             | gal             | \$0.0313   | \$63                    | 4000 SF @ 0.5 gal/sf/wa = 2000.0 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$535                   |   |   |
| 5.01.17 PCB Wipe Samples               |                    |                 |            |                         | TCLP analyses not necessary according to site-wide closure plan                 |   |
| Technician                             | 9.8                | hours           | \$38.00    | \$372                   | 9.7 samp @ 0.5 hr/samp = 4.9 hours @ 2 pers/crew = 9.8 hours                    | technician rate: rate 2011 3rd party quote                    |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     | 3.0 areas @ 1.1 samp/area = 3.3 samples   | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 6.4                | samp            | \$83.33    | \$533                   | 4000 SF @ 625 SF/samp = 6.4 samples   | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$906                   |   |   |
| (Subt: Assemb 5.01.14 - 5.01.17)       |                    |                 |            | \$4,950                 | decontamination & sampling of CSA 24/25/26                                      |   |

Total Non-Super Labor Hours 104.4

|                                  |     |       |          |         |  |   |
|----------------------------------|-----|-------|----------|---------|--|---|
| 5.01.18 PPE Usage/H&S Planning   |     |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0 | days  | \$0.00   | \$0     | 104.4 hours @ 8 hr/day = 13.1 days @ 0% "D" days = 0.0 days                                      | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 3.3 | days  | \$9.00   | \$30    | 104.4 hours @ 8 hr/day = 13.1 days @ 25% "Mod C" days = 3.3 days                                 | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 9.8 | days  | \$25.00  | \$245   | 104.4 hours @ 8 hr/day = 13.1 days @ 75% "C" days = 9.8 days                                     | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 2.6 | hours | \$75.00  | \$195   | 104.4 hours @ 2.5% hr/hr = 2.6 hours   | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$470   |  |   |
| 5.01.19 Supervision              |     |       |          |         | 1 day for closure of AWTS CSA 24/25/26   |   |
| Foreman                          | 8.0 | hours | \$65.00  | \$520   | 1 day @ 8 hrs/day = 8.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager             | 0.0 | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$520   |  |   |
| 5.01.20 Certification            |     |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 1.6 | hours | \$130.00 | \$208   | 104.4 hours @ 0.015 hr/hr = 1.6 hours  | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 1.6 | hours | \$45.00  | \$72    | 104.4 hours @ 0.015 hr/hr = 1.6 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification         |     |       |          | \$280   |  |   |
| (Subt: Assemb 5.01.18 - 5.01.20) |     |       |          | \$1,270 |  |   |

|                         |             |       |       |          |
|-------------------------|-------------|-------|-------|----------|
| 5.01 AWTS/CSAs 24/25/26 | Direct Cost | Total | Basic | \$35,760 |
|-------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.01 AWTs/CSAs 24/25/26          |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
|                                  |  |                          |                   |
| Direct Cost/Basic Disposal       |  | \$35,760                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$2,503                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$1,430                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$2,146                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$715                    | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$2,146                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$8,940                  |                   |
|                                  |  |                          |                   |
| Subtotal - AWTs/CSAs 24/25/26    |  | \$44,700                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$4,470                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Total - AWTs/CSAs 24/25/26       |  | \$49,170                 |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.02 CSA 30 (T-130 Unload Area)

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                             | In-house Pricing References                                  |
|---|--------------------|-----------------|------------|-------------------------|--|--|
|   |                    |                 |            |                         |  |  |
| <b>5.02.1 Inventory Verification</b>    |                    |                 |            |                         | prod'n rate: 15 min/tanker; two persons required                                     |  |
| Laborer                                 | 0.5                | hours           | \$39.00    | \$20                    | 1 tankers @ 0.25 hr/tanker = 0.25 hours @ 2 units/crew = 0.5 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification       |                    |                 |            | \$20                    |  |  |
| (Subt: Assemb 5.02.1 - 5.02.1)          |                    |                 |            | \$20                    | conducting inventory of CSA 30 (1 Tanker) SLF 1-6 leachate                           |  |
|   |                    |                 |            |                         |  |  |
| <b>5.02.2 Transport Tanker Onsite</b>   |                    |                 |            |                         | included in operation of AWT Assembly 13.0   |  |
| Road Tractor (4 x 2, 30-ton)            | 0.0                | hours           | \$32.45    | \$0                     | 1.0 tanker @ 1 tankr/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                   |
| Driver                                  | 0.0                | hours           | \$45.00    | \$0                     | 1.0 CY @ 1 CY/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Tank Trailer (5,500 gals)               | 0.0                | hours           | \$6.31     | \$0                     | 1.0 CY @ 1 CY/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                          | RSM/HC p. 472 (line item 01 54 33 40 6900)                   |
| Subt - Transport Tanker Onsite          |                    |                 |            | \$0                     |  |  |
|   |                    |                 |            |                         |  |  |
| <b>5.02.3 Empty One (1) Tanker</b>      |                    |                 |            |                         | included in operation of AWT Assembly 13.0; one tanker parked at CSA 30 = 5,500 gals |  |
| Laborer                                 | 0.0                | hours           | \$39.00    | \$0                     | 5500 gals @ 1650 gals/hr = 3.3 hours @ 2 units/crew 6.7 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                       | 0.0                | hours           | \$0.00     | \$0                     | included in tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                       |
| Tank Trailer (5,500 gals)               | 0.0                | hours           | \$6.31     | \$0                     | 5500 gals @ 1650 gals/hr = 3.3 hours @ 1 units/crew 3.3 hours                        | RSM/HC p. 472 (line item 01 54 33 40 6900)                   |
| Subt - Empty 1 Tankers' Contents        |                    |                 |            | \$0                     |  |  |
|   |                    |                 |            |                         |  |  |
| <b>5.02.4 Onsite Aqu Trt: Tankers</b>   |                    |                 |            |                         | SLF 1-6 liquid waste   |  |
| Onsite Aqu Treat - Tankers              | 5500               | gallons         | \$1.8244   | \$10,034                | 5500 gallons   | AWTS treatment costs @ \$1.7836                              |
| Subt - Onsite Aqu Trt - Tankers         |                    |                 |            | \$10,034                |  |  |
| (Subt: Assemb 5.02.2 - 5.02.4)          |                    |                 |            | \$10,034                | onsite treatment of liquid wastes from one (1) tanker                                |  |
|   |                    |                 |            |                         |  |  |
| <b>5.02.5 Decon CSA 30 Area (wash)</b>  |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience      |  |
| Laborer                                 | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                         | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                          | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 30 Area (wash)         |                    |                 |            | \$298                   |  |  |
|   |                    |                 |            |                         |  |  |
| <b>5.02.6 Decon CSA 30 Area (rinse)</b> |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience      |  |
| Laborer                                 | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                         | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                          | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 30 Area (rinse)        |                    |                 |            | \$298                   |  |  |
|   |                    |                 |            |                         |  |  |
| <b>5.02.7 Decon Water Samp/Disp</b>     |                    |                 |            |                         | prod'n rate = 0.5 hours/sample for two techs; one sample area;                       |  |
| Technician                              | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                         | technician rate: rate 2011 3rd party quote                   |
| VOC Analysis (EPA 624)                  | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                    |
| On-site Water Disposal                  | 357.5              | gal             | \$0.0313   | \$11                    | 715 SF @ 0.5 gal/sf/wa = 357.5 gallons   | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose         |                    |                 |            | \$168                   |  |  |
|   |                    |                 |            |                         |  |  |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.02 CSA 30 (T-130 Unload Area)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                |     |       |          |       |  |  |
|--------------------------------|-----|-------|----------|-------|--|--|
| <b>5.02.8 PCB Wipe Samples</b> |     |       |          |       | No TCLP analyses necessary according to site-wide closure plan |  |
| Technician                     | 1.1 | hours | \$38.00  | \$42  | 1.1 samp @ 0.5 hr/samp = 0.55 hours @ 2 pers/crew = 1.1 hours  | technician rate: rate 2011 3rd party quote |
| TCLP VOC & Metals Analysis     |     | samp  | \$446.67 | \$0   |  | analytical price: average of three quotes  |
| PCB Analysis (SW 8080)         | 1.1 | samp  | \$83.33  | \$92  | 715 SF @ 625 SF/samp = 1.1 samples                             | analytical price: average of three quotes  |
| Subt - PCB Wipe/Destruct Samp  |     |       |          | \$133 |  |  |
| (Subt: Assemb 5.02.5 - 5.02.8) |     |       |          | \$899 | decontamination & sampling of CSA 30                           |  |

Total Non-Super Labor Hours 16.3

|  |     |       |          |       |  |   |
|--|-----|-------|----------|-------|--|---|
| <b>5.02.9 PPE Usage/H&amp;S Planning</b> |     |       |          |       | Level C @ 75%; Mod Level C @ 25%; Level D @ 0% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                      | 0.0 | days  | \$0.00   | \$0   | 16.3 hours @ 8 hr/day = 2.0 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                  | 0.5 | days  | \$9.00   | \$5   | 16.3 hours @ 8 hr/day = 2.0 days @ 25% "D" days = 0.5 days   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                      | 1.5 | days  | \$25.00  | \$38  | 16.3 hours @ 8 hr/day = 2.0 days @ 75% "C" days = 1.5 days   | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                          | 0.4 | hours | \$75.00  | \$30  | 16.3 hours @ 2.5% hr/hr = 0.4 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning            |     |       |          | \$72  |  |   |
|  |     |       |          |       |  |   |
| <b>5.02.10 Supervision</b>               |     |       |          |       | 0.5 day for closure of CSA 30  |   |
| Foreman                                  | 4   | hours | \$65.00  | \$260 | 1 day @ 4 hrs/day = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                     | 0   | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                   |     |       |          | \$260 |  |   |
|  |     |       |          |       |  |   |
| <b>5.02.11 Certification</b>             |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                               |   |
| Engineer                                 | 0.3 | hours | \$130.00 | \$39  | 16.3 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                 | 0.3 | hours | \$45.00  | \$14  | 16.3 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification                 |     |       |          | \$53  |  |   |
| (Subt: Assemb 5.02.9 - 5.02.11)          |     |       |          | \$385 |  |   |

|  |                    |              |              |                 |
|--|--------------------|--------------|--------------|-----------------|
| <b>5.02 CSA 30 (T-130 Unload Area)</b> | <b>Direct Cost</b> | <b>Total</b> | <b>Basic</b> | <b>\$11,337</b> |
|--|--------------------|--------------|--------------|-----------------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.02 CSA 30 (T-130 Unload Area)  |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
|                                  |  |                          |                   |
| Direct Costs/Basic Disposal      |  | \$11,337                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$794                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$453                    | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$680                    | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$227                    | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$680                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$2,834                  |                   |
|                                  |  |                          |                   |
| Subtotal - CSA 30 (T-130 Unload) |  | \$14,171                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$1,417                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Total - CSA 30 (T-130 Unload)    |  | \$15,588                 |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.03 CSA 31 (T-108 Unload Area)

| Basic Closure Activities: Direct Costs       | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                             | In-house Pricing References                                  |
|--|--------------------|-----------------|------------|-------------------------|--|--|
|  |                    |                 |            |                         |  |  |
| <b>5.03.1 Inventory Verification</b>         |                    |                 |            |                         | prod'n rate: 15 min/tanker; two persons required                                     |  |
| Laborer                                      | 0.5                | hours           | \$39.00    | \$20                    | 1 tankers @ 0.25 hr/tanker = 0.25 hours @ 2 units/crew = 0.5 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification            |                    |                 |            | \$20                    |  |  |
| (Subt: Assemb 5.03.1 - 5.03.1)               |                    |                 |            | \$20                    | conducting inventory of CSA 31 (1 Tanker) SLF-7 and SLF-11 leachate                  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.03.2 Transport Tanker Onsite</b>        |                    |                 |            |                         | included in operation of AWT Assembly 13.0   |  |
| Road Tractor (4 x 2, 30-ton)                 | 0                  | hours           | \$32.45    | \$0                     | 1.0 tanker @ 1 tankr/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                   |
| Driver                                       | 0                  | hours           | \$45.00    | \$0                     | 1.0 CY @ 1 CY/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Tank Trailer (5,500 gals)                    | 0                  | hours           | \$6.31     | \$0                     | 1.0 CY @ 1 CY/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                          | RSM/HC p. 472 (line item 01 54 33 40 6900)                   |
| Subt - Transport Tanker Onsite               |                    |                 |            | \$0                     |  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.03.3 Empty One (1) Tanker</b>           |                    |                 |            |                         | included in operation of AWT Assembly 13.0; one tanker parked at CSA 31 = 5,500 gals |  |
| Laborer                                      | 0                  | hours           | \$39.00    | \$0                     | 5500 gals @ 1650 gals/hr = 3.3 hours @ 2 units/crew 6.7 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                            | 0                  | hours           | \$0.00     | \$0                     | included in tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                       |
| Tank Trailer (5,500 gals)                    | 0                  | hours           | \$6.31     | \$0                     | 5500 gals @ 1650 gals/hr = 3.3 hours @ 1 units/crew 3.3 hours                        | RSM/HC p. 472 (line item 01 54 33 40 6900)                   |
| Subt - Empty 1 Tankers' Contents             |                    |                 |            | \$0                     |  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.03.4 Onsite Aqu Trt: Tankers</b>        |                    |                 |            |                         | mildly-contaminated liquid waste   |  |
| Onsite Aqu Treat - Tankers (SLF-7 leachate)  | 1375               | gallons         | \$0.2195   | \$302                   | 5500 gallons @ 25% from SLF-7 = 1375   | AWTS treatment costs @ \$0.2201                              |
| Onsite Aqu Treat - Tankers (SLF-11 leachate) | 4125               | gallons         | \$0.3532   | \$1,457                 | 5500 gallons @ 75% from SLF-11 = 4125  | AWTS treatment costs @ \$0.3539                              |
| Subt - Onsite Aqu Trt - Tankers              |                    |                 |            | \$1,759                 |  |  |
| (Subt: Assemb 5.03.2 - 5.03.4)               |                    |                 |            | \$1,759                 | onsite treatment of liquid wastes from one (1) tanker                                |  |
|  |                    |                 |            |                         |  |  |
| <b>5.03.5 Decon CSA 31 Area (wash)</b>       |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience      |  |
| Laborer                                      | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                              | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                               | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 31 Area (wash)              |                    |                 |            | \$298                   |  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.03.6 Decon CSA 31 Area (rinse)</b>      |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience      |  |
| Laborer                                      | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                              | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                               | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 31 Area (rinse)             |                    |                 |            | \$298                   |  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.03.7 Decon Water Samp/Disp</b>          |                    |                 |            |                         | prod'n rate = 0.5 hours/sample for two techs; one sample area;                       |  |
| Technician                                   | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                         | technician rate: rate 2011 3rd party quote                   |
| VOC Analysis (EPA 624)                       | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                    |
| On-site Water Disposal                       | 357.5              | gal             | \$0.0313   | \$11                    | 715 SF @ 0.5 gal/sf/wa = 357.5 gallons   | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose              |                    |                 |            | \$168                   |  |  |
|  |                    |                 |            |                         |  |  |

Overall Site-Wide Closure Cost Estimate  
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5.03 CSA 31 (T-108 Unload Area)

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price   | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                                     | In-house Pricing References                         |
|--|--------------------|-----------------|--------------|-------------------------|--|---|
|  |                    |                 |              |                         |  |   |
| <b>5.03.8 PCB Wipe Samples</b>           |                    |                 |              |                         | No TCLP analyses necessary according to site-wide closure plan                               |   |
| Technician                               | 1.1                | hours           | \$38.00      | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.55 hours @ 2 pers/crew = 1.1 hours                                | technician rate: rate 2011 3rd party quote          |
| TCLP VOC & Metals Analysis               |                    | samp            | \$446.67     | \$0                     |  | analytical price: average of three quotes           |
| PCB Analysis (SW 8080)                   | 1.1                | samp            | \$83.33      | \$92                    | 715 SF @ 625 SF/samp = 1.1 samples   | analytical price: average of three quotes           |
| Subt - PCB Wipe/Destruct Samp            |                    |                 |              | \$133                   |  |   |
| (Subt: Assemb 5.03.5 - 5.03.8)           |                    |                 |              | \$899                   | decontamination & sampling of CSA 31   |   |
|  |                    |                 |              |                         |  |   |
| <b>5.03.9 PPE Usage/H&amp;S Planning</b> |                    |                 |              |                         | Level C @ 75%; Level D @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                      | 0.0                | days            | \$0.00       | \$0                     | 16.3 hours @ 8 hr/day = 2.0 days @ 0% "D" days = 0.0 days                                    | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                  | 0.5                | days            | \$9.00       | \$5                     | 16.3 hours @ 8 hr/day = 2.0 days @ 25% "D" days = 0.5 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                      | 1.5                | days            | \$25.00      | \$38                    | 16.3 hours @ 8 hr/day = 2.0 days @ 75% "C" days = 1.5 days                                   | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                          | 0.4                | hours           | \$75.00      | \$30                    | 16.3 hours @ 2.5% hr/hr = 0.4 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning            |                    |                 |              | \$72                    |  |   |
|  |                    |                 |              |                         |  |   |
| <b>5.03.10 Supervision</b>               |                    |                 |              |                         | 0.5 day for closure of CSA 31  |   |
| Foreman                                  | 4                  | hours           | \$65.00      | \$260                   | 1 day @ 4 hrs/day = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                     | 0                  | hours           | \$75.00      | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                   |                    |                 |              | \$260                   |  |   |
|  |                    |                 |              |                         |  |   |
| <b>5.03.11 Certification</b>             |                    |                 |              |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks             |   |
| Engineer                                 | 0.3                | hours           | \$130.00     | \$39                    | 16.3 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                 | 0.3                | hours           | \$45.00      | \$14                    | 16.3 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification                 |                    |                 |              | \$53                    |  |   |
| (Subt: Assemb 5.03.9 - 5.03.11)          |                    |                 |              | \$385                   |  |   |
|  |                    |                 |              |                         |  |   |
| <b>5.03 CSA 31 (T-108 Unload Area)</b>   | <b>Direct Cost</b> | <b>Total</b>    | <b>Basic</b> | <b>\$3,061</b>          |  |   |

Overall Site-Wide Closure Cost Estimate  
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| 5.03 CSA 31 (T-108 Unload Area)  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$3,061                  |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$214                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$122                    | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$184                    | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$61                     | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$184                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$765                    |                   |
|                                  |  |                          |                   |
| Subtotal - CSA 31 (T-108 Unload) |  | \$3,827                  |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$383                    | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Total - CSA 31 (T-108 Unload)    |  | \$4,209                  |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.04 CSA 32 (T-109 Unload Area)

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                             | In-house Pricing References                                  |
|---|--------------------|-----------------|------------|-------------------------|--|--|
| <b>5.04.1 Inventory Verification</b>    |                    |                 |            |                         | prod'n rate: 15 min/tanker; two persons required                                     |  |
| Laborer                                 | 0.5                | hours           | \$39.00    | \$20                    | 1 tankers @ 0.25 hr/tanker = 0.25 hours @ 2 units/crew = 0.5 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification       |                    |                 |            | \$20                    |  |  |
| (Subt: Assemb 5.04.1 - 5.04.1)          |                    |                 |            | \$20                    | conducting inventory of CSA 32 (1 Tanker) SLF-10                                     |  |
| <b>5.04.2 Transport Tanker Onsite</b>   |                    |                 |            |                         | production rate = 0.5 hours for on-site travel; one 5,500-gal tanker                 |  |
| Road Tractor (4 x 2, 30-ton)            | 0                  | hours           | \$32.45    | \$0                     | 1.0 tanker @ 1 tankr/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                   |
| Driver                                  | 0                  | hours           | \$45.00    | \$0                     | 1.0 CY @ 1 CY/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Tank Trailer (5,500 gals)               | 0                  | hours           | \$6.31     | \$0                     | 1.0 CY @ 1 CY/load = 1.0 loads @ 0.5 hours/trip = 0.5 hours                          | RSM/HC p. 472 (line item 01 54 33 40 6900)                   |
| Subt - Transport Tanker Onsite          |                    |                 |            | \$0                     |  |  |
| <b>5.04.3 Empty One (1) Tanker</b>      |                    |                 |            |                         | included in operation of AWT Assembly 13.0; one tanker parked at CSA 32 = 5,500 gals |  |
| Laborer                                 | 0                  | hours           | \$39.00    | \$0                     | 5500 gals @ 1650 gals/hr = 3.3 hours @ 2 units/crew = 6.7 hours                      | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                       | 0                  | hours           | \$0.00     | \$0                     | included in tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                       |
| Tank Trailer (5,500 gals)               | 0                  | hours           | \$6.31     | \$0                     | 5500 gals @ 1650 gals/hr = 3.3 hours @ 1 units/crew = 3.3 hours                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                   |
| Subt - Empty 1 Tankers' Contents        |                    |                 |            | \$0                     |  |  |
| <b>5.04.4 Onsite Aqu Trt: Tankers</b>   |                    |                 |            |                         | mildly-contaminated liquid waste   |  |
| Onsite Aqu Treat - Tankers              | 5500               | gallons         | \$0.2201   | \$1,211                 | 5500 gallons   | AWTS treatment costs @ \$0.2201                              |
| Subt - Onsite Aqu Trt - Tankers         |                    |                 |            | \$1,211                 |  |  |
| (Subt: Assemb 5.04.2 - 5.04.4)          |                    |                 |            | \$1,211                 | onsite treatment of liquid wastes from one (1) tanker                                |  |
| <b>5.04.5 Decon CSA 32 Area (wash)</b>  |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience      |  |
| Laborer                                 | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                         | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                          | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 32 Area (wash)         |                    |                 |            | \$298                   |  |  |
| <b>5.04.6 Decon CSA 32 Area (rinse)</b> |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience      |  |
| Laborer                                 | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                         | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                          | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                             | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 32 Area (rinse)        |                    |                 |            | \$298                   |  |  |
| <b>5.04.7 Decon Water Samp/Disp</b>     |                    |                 |            |                         | prod'n rate = 0.5 hours/sample for two techs; one sample area;                       |  |
| Technician                              | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                         | technician rate: rate 2011 3rd party quote                   |
| VOC Analysis (EPA 624)                  | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                    |
| On-site Water Disposal                  | 357.5              | gal             | \$0.0313   | \$11                    | 715 SF @ 0.5 gal/sf/wa = 357.5 gallons   | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose         |                    |                 |            | \$168                   |  |  |
| <b>5.04.8 PCB Wipe Samples</b>          |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                       |  |
| Technician                              | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.55 hours @ 2 pers/crew = 1.1 hours                        | technician rate: rate 2011 3rd party quote                   |
| TCLP (Metals/VOCs/Semi-VOCs)            |                    | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                    |
| PCB Analysis (SW 8081/8082)             | 1.1                | samp            | \$83.33    | \$92                    | 715 SF @ 625 SF/samp = 1.1 samples   | analytical price: average of three quotes                    |
| Subt - PCB Wipe/Destruct Samp           |                    |                 |            | \$133                   |  |  |
| (Subt: Assemb 5.04.5 - 5.04.8)          |                    |                 |            | \$899                   | decontamination & sampling of CSA 32   |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.04 CSA 32 (T-109 Unload Area)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                                     | In-house Pricing References                         |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.04.9 PPE Usage/H&S Planning          |                    |                 |            |                         | Level C @ 75%; Level D @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | 16.3 hours @ 8 hr/day = 2.0 days @ 0% "D" days = 0.0 days                                    | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                | 0.5                | days            | \$9.00     | \$5                     | 16.3 hours @ 8 hr/day = 2.0 days @ 25% "D" days = 0.5 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                    | 1.5                | days            | \$25.00    | \$38                    | 16.3 hours @ 8 hr/day = 2.0 days @ 75% "C" days = 1.5 days                                   | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                        | 0.4                | hours           | \$75.00    | \$30                    | 16.3 hours @ 2.5% hr/hr = 0.4 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$72                    |  |   |
| 5.04.10 Supervision                    |                    |                 |            |                         | 0.5 day for closure of CSA 31  |   |
| Foreman                                | 4                  | hours           | \$65.00    | \$260                   | 1 day @ 4 hrs/day = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                   | 0                  | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                 |                    |                 |            | \$260                   |  |   |
| 5.04.11 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks             |   |
| Engineer                               | 0.3                | hours           | \$130.00   | \$39                    | 16.3 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                               | 0.3                | hours           | \$45.00    | \$14                    | 16.3 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification               |                    |                 |            | \$53                    |  |   |
| (Subt: Assemb 5.04.9 - 5.04.11)        |                    |                 |            | \$385                   |  |   |
| 5.04 CSA 32 (T-109 Unload Area)        | Direct Cost        | Total           | Basic      | \$2,513                 |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|   |  |                                   |                   |
|---|--|-----------------------------------|-------------------|
| <b>5.04 CSA 32 (T-109 Unload Area)</b>  |  |                                   |                   |
| <b>Total Cost Summary</b>               |  |                                   |                   |
|   |  |                                   |                   |
| <b>Cost Category</b>                    | <b>Proposed<br/>Percent<br/>of Direct<br/>Cost</b> | <b>Proposed<br/>2011<br/>Cost</b> | <b>Cost Range</b> |
| <b>Direct Costs/Basic Disposal</b>      |  | \$2,513                           |                   |
|   |  |                                   |                   |
| Plus Indirect Costs/Profit:             |  |                                   |                   |
| Site Activity Management Costs          | 7.00%  | \$176                             | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office        | 4.00%  | \$101                             | note: DEC uses 4% |
| Pre-Construction Design Costs           | 6.00%  | \$151                             | note: DEC uses 6% |
| Engineering During Construction         | 2.00%  | \$50                              | note: DEC uses 2% |
| General Contractor Profit               | 6.00%  | \$151                             | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b>    | 25.00%   | \$628                             |                   |
|   |  |                                   |                   |
| <b>Subtotal - CSA 32 (T-109 Unload)</b> |  | \$3,141                           |                   |
|   |  |                                   |                   |
| <b>Plus Contingency</b>                 | 10.00%   | \$314                             | CWM and DEC 10%   |
|   |  |                                   |                   |
| <b>Total - CSA 32 (T-109 Unload)</b>    |  | \$3,456                           |                   |
|   |  |                                   |                   |

**Cost References:**

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.05 CSA 33 (T-158 Unload Area)

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                        | In-house Pricing References                                  |
|---|--------------------|-----------------|------------|-------------------------|---|--|
| <b>5.05.1 Inventory Verification</b>      |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         | prod'n rate: 15 min/tanker; two persons required                                |  |
| Laborer                                   | 0.5                | hours           | \$39.00    | \$20                    | 1 tankers @ 0.25 hr/tanker = 0.25 hours @ 2 units/crew = 0.5 hours              | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification         |                    |                 |            | \$20                    |   |  |
| (Subt: Assemb 5.05.1 - 5.05.1)            |                    |                 |            | \$20                    | conducting inventory of CSA 33 (1 Tanker) Oil/water separator                   |  |
| <b>5.05.2 Transp T.O. Liquids Offsite</b> |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         | one tanker containing 5,500 gallons   |  |
| Transport in 5,500-gal tanker             | 1529               | miles           | \$3.50     | \$5,352                 | 5500 gals @ 5500 gals/tankr = 0.9 loads @ 1529 miles/trip = 1529 miles          | Rate: transporters quote/site experience                     |
| Subt - Transport Tanker Offsite           |                    |                 |            | \$5,352                 |   |  |
| <b>5.05.3 Offsite T.O. Liq's Disposal</b> |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         |   |  |
| Disposal Cost - Liquids                   | 5500               | gallons         | \$4.68     | \$25,740                | 5500 gallons  | HWC/ETC 2004 & Current third party rate                      |
| Subt - Offsite T.O. Liquids Disposal      |                    |                 |            | \$25,740                |   |  |
| (Subt: Assemb 5.05.2 - 5.05.3)            |                    |                 |            | \$31,092                | offsite T&D of one (1) tanker   |  |
| <b>5.05.4 Decon CSA 33 Area (wash)</b>    |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience |  |
| Laborer                                   | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                           | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                        | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                            | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                        | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 33 Area (wash)           |                    |                 |            | \$298                   |   |  |
| <b>5.05.5 Decon CSA 33 Area (rinse)</b>   |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one units; facility experience |  |
| Laborer                                   | 6.8                | hours           | \$39.00    | \$265                   | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Pressure Washer                           | 6.8                | hours           | \$4.04     | \$27                    | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                        | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                            | 6.8                | hours           | \$0.83     | \$6                     | 715 SF @ 105 SF/hr = 6.8 hours @ 1 unit/crew = 6.8 hours                        | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon CSA 33 Area (rinse)          |                    |                 |            | \$298                   |   |  |
| <b>5.05.6 Decon Water Samp/Disp</b>       |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         | prod'n rate = 0.5 hours/sample for two techs; one sample area;                  |  |
| Technician                                | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                    | technician rate: rate 2011 3rd party quote                   |
| VOC Analysis (EPA 624)                    | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                    |
| On-site Water Disposal                    | 357.5              | gal             | \$0.0313   | \$11                    | 715 SF @ 0.5 gal/sf/wa = 357.5 gallons  | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose           |                    |                 |            | \$168                   |   |  |
| <b>5.05.7 PCB Wipe Samples</b>            |                    |                 |            |                         |   |  |
|   |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                  |  |
| Technician                                | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.55 hours @ 2 pers/crew = 1.1 hours                   | technician rate: rate 2011 3rd party quote                   |
| TCLP (Metals/VOCs/Semi-VOCs)              |                    | samp            | \$446.67   | \$0                     |   | analytical price: average of three quotes                    |
| PCB Analysis (SW 8081/8082)               | 1.1                | samp            | \$83.33    | \$92                    | 715 SF @ 625 SF/samp = 1.1 samples  | analytical price: average of three quotes                    |
| Subt - PCB Wipe/Destruct Samp             |                    |                 |            | \$133                   |   |  |
| (Subt: Assemb 5.05.4 - 5.05.7)            |                    |                 |            | \$899                   | decontamination & sampling of CSA 33  |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.05 CSA 33 (T-158 Unload Area)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                         |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.05.8 PPE Usage/H&S Planning          |                    |                 |            |                         |   |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | Level C @ 75%; Level D @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs<br>16.3 hours @ 8 hr/day = 2.0 days @ 0% "D" days = 0.0 days | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                | 0.5                | days            | \$9.00     | \$5                     | 16.3 hours @ 8 hr/day = 2.0 days @ 25% "D" days = 0.5 days  | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                    | 1.5                | days            | \$25.00    | \$38                    | 16.3 hours @ 8 hr/day = 2.0 days @ 75% "C" days = 1.5 days  | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                        | 0.4                | hours           | \$75.00    | \$30                    | 16.3 hours @ 2.5% hr/hr = 0.4 hours   | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$72                    |   |   |
| 5.05.9 Supervision                     |                    |                 |            |                         |   |   |
| Foreman                                | 4                  | hours           | \$65.00    | \$260                   | 0.5 day for closure of CSA 31<br>1 day @ 4 hrs/day = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                   | 0                  | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs   | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                 |                    |                 |            | \$260                   |   |   |
| 5.05.10 Certification                  |                    |                 |            |                         |   |   |
| Engineer                               | 0.3                | hours           | \$130.00   | \$39                    | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks<br>16.3 hours @ 0.015 hr/hr = 0.3 hours                                  | Engineer rate: 2011 3rd party quote                 |
| Clerical                               | 0.3                | hours           | \$45.00    | \$14                    | 16.3 hours @ 0.015 hr/hr = 0.3 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification               |                    |                 |            | \$53                    |   |   |
| (Subt: Assemb 5.05.8 - 5.05.10)        |                    |                 |            | \$385                   |   |   |
| 5.05 CSA 33 (T-158 Unload Area)        | Direct Cost        | Total           | Basic      | \$32,394                |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.05 CSA 33 (T-158 Unload Area)  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$32,394                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$2,268                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$1,296                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$1,944                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$648                    | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$1,944                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$8,099                  |                   |
|                                  |  |                          |                   |
| Subtotal - CSA 33 (T-158 Unload) |  | \$40,493                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$4,049                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Total - CSA 33 (T-158 Unload)    |  | \$44,542                 |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.06 AWTS (inside) - 10 tanks

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.06.1 Inventory Verification</b>     |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                  | 10                 | hours           | \$39.00    | \$390                   | 10 tanks @ 0.5 hour/tank = 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification        |                    |                 |            | <b>\$390</b>            |   |   |
| (Subt: Assemb 5.06.1 - 5.06.1)           |                    |                 |            | <b>\$390</b>            | tanks: T-710, T-810, T-820, T-850, T-910, T-1010, T-1020, T-1111, T1112, and T-1310                     |   |
| <b>5.06.2 Onsite Aqueous Treatment</b>   |                    |                 |            |                         | mildly-contaminated aqueous wastes; assume pumped directly from tanks into AWTS                         |   |
| Onsite Aqueous Treatment - Tanks         | 52176              | gals            | \$0.0453   | \$2,364                 | 52176 gals  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment          |                    |                 |            | <b>\$2,364</b>          | Average cost per gallon 2010  |   |
| (Subt: Assemb 5.06.2 - 5.06.2)           |                    |                 |            | <b>\$2,364</b>          | onsite treatment of tanks' waste liquids  |   |
| <b>5.06.3 Steel Tank Demolition</b>      |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 3                  |                 |            |                         | <i>26000 gallons: 1700 SF Tanks: 47 CF @ 490 Lb/CF = 23139 Lbs</i>                                      | <i>Steel Tanks only; estimate 490#/CF</i>                 |
| Laborer                                  | 25.5               | hours           | \$39.00    | \$995                   | 1700 SF @ 200 SF/hour 8.5 hours @ 3 units/crew = 25.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 17                 | hours           | \$45.00    | \$765                   | 1700 SF @ 200 SF/hour 8.5 hours @ 2 units/crew = 17.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 8.5                | hours           | \$84.09    | \$715                   | 1700 SF @ 200 SF/hour 8.5 hours @ 1 units/crew = 8.5 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 8.5                | hours           | \$34.40    | \$292                   | 1700 SF @ 200 SF/hour 8.5 hours @ 1 units/crew = 8.5 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 8.5                | hours           | \$2.47     | \$21                    | 1700 SF @ 200 SF/hour 8.5 hours @ 1 units/crew = 8.5 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 8.5                | hours           | \$30.03    | \$255                   | 1700 SF @ 200 SF/hour 8.5 hours @ 1 units/crew = 8.5 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane (80-ton)                      | 8.5                | hours           | \$86.31    | \$734                   | 1700 SF @ 200 SF/hour 8.5 hours @ 1 units/crew = 8.5 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 8.5                | hours           | \$5.41     | \$46                    | 1700 SF @ 200 SF/hour 8.5 hours @ 1 units/crew = 8.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition             |                    |                 |            | <b>\$3,823</b>          | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |
| <b>5.06.4 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 7                  |                 |            |                         | <i>26176 gallons: 2005 SF Tanks: 56 CF @ 245 Lb/CF = 13645 Lbs</i>                                      | <i>FRP Tanks only; estimate 245#/CF</i>                   |
| Laborer                                  | 30.1               | hours           | \$39.00    | \$1,174                 | 2005 SF @ 200 SF/hour 10.0 hours @ 3 units/crew = 30.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 20.1               | hours           | \$45.00    | \$905                   | 2005 SF @ 200 SF/hour 10.0 hours @ 2 units/crew = 20.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 10                 | hours           | \$84.09    | \$841                   | 2005 SF @ 200 SF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 10                 | hours           | \$34.40    | \$344                   | 2005 SF @ 200 SF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 10                 | hours           | \$2.47     | \$25                    | 2005 SF @ 200 SF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 10                 | hours           | \$30.03    | \$300                   | 2005 SF @ 200 SF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 10                 | hours           | \$86.31    | \$863                   | 2005 SF @ 200 SF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0                  | hours           | \$5.41     | \$0                     | 2005 SF @ 200 SF/hour 10.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | <b>\$4,451</b>          | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |
| <b>5.06.5 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF               |   |
| <i>Estimated Piping Length</i>           | 1000               | LF              |            |                         | <i>10 tanks @ 100 LF/tank = 1000 LF @ 4 Lb/LF = 4000 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 100                | hours           | \$39.00    | \$3,900                 | 1000 LF @ 20 LF/hour 50.0 hours @ 2 units/crew = 100.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 50                 | hours           | \$5.41     | \$271                   | 1000 LF @ 20 LF/hour 50.0 hours @ 1 units/crew = 50.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$4,171</b>          | in the absence of facility data, piping assumed to average 100 LF/tank                                  |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.06 AWTs (inside) - 10 tanks

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References   |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.06.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank                  |   |
| Laborers                                  | 10                 | hours           | \$39.00    | \$390                   | 5.0 pumps @ 1 pump/hr 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Welding Equipment                         | 5                  | hours           | \$5.41     | \$27                    | 5.0 pumps @ 1 pump/hr 5.0 hours @ 1 units/crew = 5.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$417</b>            | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>           |   |
|   |                    |                 |            |                         |  |   |
| <b>5.06.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)  |   |
| Laborer                                   | 0.6                | hours           | \$39.00    | \$23                    | 8.6 CY @ 15 CY/hr = 0.6 hours @ 1 units/crew 0.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Equipment Operator (Medium)               | 0.6                | hours           | \$45.00    | \$27                    | 8.6 CY @ 15 CY/hr = 0.6 hours @ 1 units/crew = 0.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Loader                                    | 0.6                | hours           | \$30.03    | \$18                    | 8.6 CY @ 15 CY/hr = 0.6 hours @ 1 units/crew = 0.6 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                          |
| Dump Trailer (20 CY)                      | 0.6                | hours           | \$5.20     | \$3                     | 8.6 CY @ 15 CY/hr = 0.6 hours @ 1 units/crew 0.6 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                          |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$72</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i>         |   |
|   |                    |                 |            |                         |  |   |
| <b>5.06.8 Uni'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers           |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 22.3               | TONS            | <i>n/a</i> |                         | 8.6 CY debr + 15% kiln dust = 9.92 CY total total tonnage = 22.3 tons  | total tons derived from foregoing assemblies + kiln dust            |
| Laborer                                   | 3                  | hours           | \$39.00    | \$117                   | 22.3 tons @ 15 tons/hr @ 1.5 hours @ 2 units/crew = 3.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Equipment Operator (Medium)               | 4.5                | hours           | \$45.00    | \$203                   | 22.3 tons @ 15 tons/hr @ 1.5 hours @ 3 units/crew = 4.5 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Backhoe (1 CY)                            | 1.5                | hours           | \$19.18    | \$29                    | 22.3 tons @ 15 tons/hr @ 1.5 hours @ 1 units/crew = 1.5 hours  | RSM/HC p. 467 (line item 01 54 33 20 0460)                          |
| Loader, Wheel (1 CY)                      | 1.5                | hours           | \$14.39    | \$22                    | 22.3 tons @ 15 tons/hr @ 1.5 hours @ 1 units/crew = 1.5 hours  | RSM/HC p. 468 (line item 01 54 33 20 4610)                          |
| Shredder                                  | 1.5                | hours           | \$329.70   | \$495                   | 22.3 tons @ 15 tons/hr @ 1.5 hours @ 1 units/crew = 1.5 hours  | 2004 DEC Rate * Implicit Deflator                                   |
| Mixing Pit/Screening/Silo                 | 1.5                | hours           | \$136.29   | \$204                   | 22.3 tons @ 15 tons/hr @ 1.5 hours @ 1 units/crew = 1.5 hours  | 2004 DEC Rate * Implicit Deflator                                   |
| Cement Kiln Dust - Mat'l Cost             |                    | tons            |            | \$0                     | 1.3 tons   |   |
| Cement Kiln Dust - Delivery Cost          |                    | loads           |            | \$0                     | 1.3 tons @ 20 ton/load = 0.1 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 1.3                | tons            | \$48.00    | \$62                    |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)          | 0.3                | units           | \$1,000.00 | \$300                   | 9.9 CYs @ 30 CY/unit = 0.3 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                          | 0.5                | hours           | \$19.02    | \$10                    | 9.9 CYs @ 30 CY/unit = 0.3 rolloffs @ 1.5 hours/rolloff = 0.5 hours  | dumpster RSM/BC p. 42 (02225-730-0800)                              |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$1,441</b>          | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i>         |   |
|   |                    |                 |            |                         |  |   |
| <b>5.06.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 385.0              | miles           | \$3.25     | \$1,251                 | 9.9 CY @ 30 CY/load = 0.3 loads (↑1.0) @ 385 miles/trip = 385.0 miles  | Rate: transporters quote/site experience                            |
| Offsite Disposal - Tank Debris            | 9.9                | CY              | \$337.50   | \$3,341                 | 9.9 CY @ 27 CF/CY = 267.9 CF   | DEC 2004 Estimate accounting for inflation                          |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$4,593</b>          |  |   |
| <i>(Subt: Assemb 5.06.3 - 5.06.9)</i>     |                    |                 |            | <b>\$18,966</b>         | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                                  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.06.10 Decon Filter Presses (wa)</b>  |                    |                 |            |                         | prod'n rate = 105 SF/hr for 2-person crew  |   |
| Laborer                                   | 20.1               | hours           | \$39.00    | \$784                   | 1055.0 SF @ 105 SF/hr = 10.0 hours @ 2 pers/crew = 20.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer                           | 20                 | hours           | \$4.04     | \$81                    | 1055.0 SF @ 105 SF/hr = 10.0 hours @ 1 unit/crew = 10.0 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum Sweeper                            | 10                 | hours           | \$3.38     | \$34                    | 1055.0 SF @ 105 SF/hr = 10.0 hours @ 1 unit/crew = 10.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Onsite Water Disposal                     | 7500.0             | gal             | \$0.0313   | \$235                   | 7500.0 gallons   | facility o/s mild waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Filter Presses (wash)        |                    |                 |            | <b>\$1,133</b>          | <i>area based upon facility est. of 7.18 tons &amp; 1 CF = 490#; material thickness assumed to be 1/3-inch</i> |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.06 AWTS (inside) - 10 tanks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  |                 |                |                 | In-house Pricing References |   |
|--|--------------------|-----------------|------------|-------------------------|---|-----------------|----------------|-----------------|-----------------------------|---|
|  |                    |                 |            |                         |   |                 |                |                 |                             |   |
| 5.06.11 Decon Filter Presses (rin)     |                    |                 |            |                         | prod'n rate = 105 SF/hr for 2-person crew;  |                 |                |                 |                             |   |
| Laborer                                | 20.1               | hours           | \$39.00    | \$784                   | 1055.0 SF @   | 105 SF/hr =     | 10.0 hours @   | 2 pers/crew =   | 20.1 hours                  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer                        | 20                 | hours           | \$4.04     | \$81                    | 1055.0 SF @   | 105 SF/hr =     | 10.0 hours @   | 1 unit/crew =   | 10.0 hours                  | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum Sweeper                         | 10                 | hours           | \$3.38     | \$34                    | 1055.0 SF @   | 105 SF/hr =     | 10.0 hours @   | 1 unit/crew =   | 10.0 hours                  | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Onsite Water Disposal                  | 5500.0             | gal             | \$0.0313   | \$172                   | 1055.0 SF @   | 1.6 gal/sf =    | 5500.0 gallons |                 |                             | facility o/s mild waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Filter Presses (rinse)    |                    |                 |            | \$1,071                 | area based upon facility est. of 7.18 tons & 1 CF = 490#; material thickness assumed to be 1/3-inch   |                 |                |                 |                             |   |
|  |                    |                 |            |                         |   |                 |                |                 |                             |   |
| 5.06.11a PCB Wipe Samples              |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs; rate same as facility's                             |                 |                |                 |                             |   |
| Technician                             | 1.7                | hours           | \$38.00    | \$65                    | 1.7 samp @  | 0.5 hr/samp =   | 0.9 hours @    | 2 units/crew =  | 1.7 hours                   | technician rate: rate 2011 3rd party quote                          |
| PCB Analysis/Wipe Test (SW 8081/8082)  | 1.7                | samp            | \$83.33    | \$142                   | 1055.0 SF @   | 625 SF/samp =   | 1.7 samples    |                 |                             | analytical price: average of three quotes                           |
| Subt - Wipe Samples                    |                    |                 |            | \$206                   |   |                 |                |                 |                             |   |
|  |                    |                 |            |                         |   |                 |                |                 |                             |   |
| 5.06.12 Filter Press Demolition        |                    |                 |            |                         | prod'n rate == 250 SF/hr ; 1 CF debris per 45 SF press  |                 |                |                 |                             |   |
| No. of Presses/Area/Weight             | 2                  | ea @            |            |                         | 1055.0 SF FPs:  | 29.3 CF @       | 490 Lb/CF =    | 14360 Lbs       |                             | two filter presses: 14,360 Lbs total (facility estimate)            |
| Laborer                                | 8.4                | hours           | \$39.00    | \$328                   | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 2 units/crew =  | 8.4 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Equipment Operator (Medium)            | 8.4                | hours           | \$45.00    | \$378                   | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 2 units/crew =  | 8.4 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Excavator                              | 4.2                | hours           | \$84.09    | \$353                   | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 1 units/crew =  | 4.2 hours                   | RSM/HC p. 467 (line item 01 54 33 20 0320)                          |
| Metal Shears Attachment                | 4.2                | hours           | \$34.40    | \$144                   | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 1 units/crew =  | 4.2 hours                   | 2004 DEC Rate * Implicit Deflator                                   |
| Claw Attachment                        | 4.2                | hours           | \$2.47     | \$10                    | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 1 units/crew =  | 4.2 hours                   | RSM/HC p. 477 (line item 01 54 33 20 0345)                          |
| Loader                                 | 4.2                | hours           | \$14.39    | \$60                    | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 1 units/crew =  | 4.2 hours                   | RSM/HC p. 469 (line item 01 54 33 20 4730)                          |
| Yard Crane                             | 4.2                | hours           | \$86.31    | \$363                   | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 1 units/crew =  | 4.2 hours                   | RSM/HC p. 474 (line item 01 54 33 60 2700)                          |
| Welding Equipment                      | 4.2                | hours           | \$5.41     | \$23                    | 1055.0 SF @   | 250 SF/hour     | 4.2 hours @    | 1 units/crew =  | 4.2 hours                   | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Filter Press Demolition         |                    |                 |            | \$1,659                 | debris area based upon facility estimate of 7.18 tons; 1 CF = 490#; and material thickness = 1/3-inch |                 |                |                 |                             |   |
|  |                    |                 |            |                         |   |                 |                |                 |                             |   |
| 5.06.13 Load FP Demolition Debris      |                    |                 |            |                         | production rate = 15 CY/hour  |                 |                |                 |                             |   |
| Laborer                                | 0.1                | hours           | \$39.00    | \$4                     | 1.1 CY @  | 15 CY/hr =      | 0.1 hours @    | 1 units/crew    | 0.1 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Equipment Operator (Medium)            | 0.1                | hours           | \$45.00    | \$5                     | 1.1 CY @  | 15 CY/hr =      | 0.1 hours @    | 1 units/crew =  | 0.1 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Loader                                 | 0.1                | hours           | \$14.39    | \$1                     | 1.1 CY @  | 15 CY/hr =      | 0.1 hours @    | 1 units/crew =  | 0.1 hours                   | RSM/HC p. 469 (line item 01 54 33 20 4730)                          |
| Dump Trailer (20 CY)                   | 0.1                | hours           | \$5.20     | \$1                     | 1.1 CY @  | 15 CY/hr =      | 0.1 hours @    | 1 units/crew    | 0.1 hours                   | RSM/HC p. 469 (line item 01 54 33 20 5400)                          |
| Subt - Load FP Demo Debris             |                    |                 |            | \$10                    | debris volume in CY's derived from volume as expressed in cubic feet in Assembly 5.08.12 above        |                 |                |                 |                             |   |
|  |                    |                 |            |                         |   |                 |                |                 |                             |   |
| 5.06.14 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers  |                 |                |                 |                             |   |
| PROCESS TONS (incl kiln dust)          | 7.3                | TONS            | n/a        |                         | 1.1 CY debr +   | 15% kiln dust = | 1.25 CY total  | total tonnage = | 7.34 tons                   | total tons derived from Assembly 5.08.12, plus kiln dust            |
| Laborer                                | 1                  | hours           | \$39.00    | \$39                    | 7.3 tons @  | 15 tons/hr @    | 0.5 hours @    | 2 units/crew =  | 1.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Equipment Operator (Medium)            | 1.5                | hours           | \$45.00    | \$68                    | 7.3 tons @  | 15 tons/hr @    | 0.5 hours @    | 3 units/crew =  | 1.5 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Backhoe (1 CY)                         | 0.5                | hours           | \$19.18    | \$10                    | 7.3 tons @  | 15 tons/hr @    | 0.5 hours @    | 1 units/crew =  | 0.5 hours                   | RSM/HC p. 467 (line item 01 54 33 20 0460)                          |
| Loader, Wheel (1 CY)                   | 0.5                | hours           | \$14.39    | \$7                     | 7.3 tons @  | 15 tons/hr @    | 0.5 hours @    | 1 units/crew =  | 0.5 hours                   | RSM/HC p. 468 (line item 01 54 33 20 4610)                          |
| Shredder                               | 0.5                | hours           | \$329.70   | \$165                   | 7.3 tons @  | 15 tons/hr @    | 0.5 hours @    | 1 units/crew =  | 0.5 hours                   | 2004 DEC Rate * Implicit Deflator                                   |
| Mixing Pit/Screening/Silo              | 0.5                | hours           | \$135.90   | \$68                    | 7.3 tons @  | 15 tons/hr @    | 0.5 hours @    | 1 units/crew =  | 0.5 hours                   | 2004 DEC Rate * Implicit Deflator                                   |
| Cement Kiln Dust - Mat'l Cost          |                    | tons            |            | \$0                     | 0.2 tons  |                 |                |                 |                             |   |
| Cement Kiln Dust - Delivery Cost       |                    | loads           |            | \$0                     | 0.2 tons @ 20 ton/load = 0.0 loads  |                 |                |                 |                             |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.2                | tons            | \$48.00    | \$10                    |   |                 |                |                 |                             | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)       | 0.042              | units           | \$1,000.00 | \$42                    | 1.2 CY @ 30 CY/unit = 0.0416 containers   |                 |                |                 |                             | CWM actual 2011 costs   |
| Rolloffs (30-CY)                       | 0.02               | hours           | \$19.02    | \$0                     | 1.2 CY @ 30 CY/unit = 0.0416 rolloffs @ 0.5 hours/rolloff = 0.0 hours                                 |                 |                |                 |                             | dumpster RSM/BC p. 42 (02225-730-0800)                              |
| Subt - Stabilize/Encapsulate           | 7.3                | tons            |            | \$408                   |   |                 |                |                 |                             |   |
|  |                    |                 |            |                         |   |                 |                |                 |                             |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.06 AWTs (inside) - 10 tanks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.06.15 Offsite T&D Filter Press       |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation                 | 63.6               | miles           | \$3.25     | \$207                   | 1.2 CY @ 30 CY/load = 0.04 loads @ 1529 miles/trip = 63.6 miles  | Rate: transporters quote/site experience                            |
| Offsite Disposal                       | 1.2                | CY              | \$336.18   | \$403                   | 1.2 CY @ 27 CF/CY = 33.7 CF  | DEC 2004 Estimate accounting for inflation                          |
| Subt - Offsite T&D - Filter Press      |                    |                 |            | \$610                   |  |   |
| (Subt: Assemb 5.06.10 - 5.06.15)       |                    |                 |            | \$5,098                 | filter press decontamination, demolition, and onsite debris disposal (p. 30 in 2001 facility estimate) |   |
|  |                    |                 |            |                         |  |   |
| 5.06.16 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                | 51.1               | hours           | \$39.00    | \$1,993                 | 5369 SF @ 105 SF/hr = 51.1 hours @ 1 pers/crew = 51.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer                        | 51.1               | hours           | \$4.04     | \$206                   | 5369 SF @ 105 SF/hr = 51.1 hours @ 1 unit/crew = 51.1 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum (55-gal wet/dry)                | 51.1               | hours           | \$3.41     | \$174                   | 5369 SF @ 105 SF/hr = 51.1 hours @ 1 unit/crew = 51.1 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Decon SCA (wash)                |                    |                 |            | \$2,374                 |  |   |
| 5.06.17 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                | 51.1               | hours           | \$39.00    | \$1,993                 | 5369 SF @ 105 SF/hr = 51.1 hours @ 1 pers/crew = 51.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer                        | 51.1               | hours           | \$4.04     | \$206                   | 5369 SF @ 105 SF/hr = 51.1 hours @ 1 unit/crew = 51.1 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum (55-gal wet/dry)                | 51.1               | hours           | \$3.41     | \$174                   | 5369 SF @ 105 SF/hr = 51.1 hours @ 1 unit/crew = 51.1 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$2,374                 |  |   |
| 5.06.18 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs; facility unit price = \$0.0273/gal                   |   |
| Technician                             | 3.3                | hours           | \$38.00    | \$125                   | 3.3 samp @ 0.5 hr/samp = 1.65 hours @ 2 pers/crew = 3.3 hours  | technician rate: rate 2011 3rd party quote                          |
| VOC Analysis (EPA 624)                 | 3.3                | samp            | \$105.00   | \$347                   | 3.0 areas @ 1.1 samp/area = 3.3 samples  | analytical price: average of three quotes                           |
| On-site Water Disposal                 | 2684.5             | gal             | \$0.0313   | \$84                    | 5369 SF @ 5.5 gal/sf/wa = 2684.5 gallons   | facility o/s mild waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$556                   |  |   |
| 5.06.19 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan   |   |
| Technician                             | 8.6                | hours           | \$38.00    | \$327                   | 8.6 samp @ 0.5 hr/samp = 4.3 hours @ 2 pers/crew = 8.6 hours   | technician rate: rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           |                    | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                           |
| PCB Analysis (SW 8081/8082)            | 8.6                | samp            | \$83.33    | \$717                   | 5369 SF @ 625 SF/samp = 8.6 samples  | analytical price: average of three quotes                           |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$1,043                 |  |   |
| (Subt: Assemb 5.06.16 - 5.06.19)       |                    |                 |            | \$6,347                 | decontamination & sampling of SCA  |   |
|  |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours 396.3      |                    |                 |            |                         |  |   |
| 5.06.20 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs       |   |
| PPE Usage - Level D                    | 0                  | days            | \$0.00     | \$0                     | 396.3 hours @ 8 hr/day = 49.5 days @ 0% "D" days = 0 days  | Standard Work Clothes - Site Experience                             |
| PPE Usage - Mod Level C                | 12.3               | days            | \$9.00     | \$111                   | 396.3 hours @ 8 hr/day = 49.5 days @ 25% "D" days = 12.3 days  | 25% of non-supv hrs in Mod Level C (price: \$9/day)                 |
| PPE Usage - Level C                    | 37.2               | days            | \$25.00    | \$930                   | 396.3 hours @ 8 hr/day = 49.5 days @ 75% "C" days = 37.2 days  | 75% of non-supv hrs in Level C (price: \$25/day)                    |
| Safety Engineer                        | 9.9                | hours           | \$75.00    | \$743                   | 396.3 hours @ 2.5% hr/hr = 9.9 hours   | Safety Eng Rate: rate 2011 3rd party quote                          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$1,783                 |  |   |
| 5.06.21 Supervision                    |                    |                 |            |                         | 1 week for closure of 10 tanks   |   |
| Foreman                                | 40                 | hours           | \$65.00    | \$2,600                 | 1 week @ 40 hrs/wk = 40.0 hours  | Outside foreman rate: 2011 3rd party quote                          |
| Site Project manager                   | 0                  | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote                             |
| Subtotal - Supervision                 |                    |                 |            | \$2,600                 |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.06 AWTS (inside) - 10 tanks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References         |
|--|--------------------|-----------------|------------|-------------------------|--|-------------------------------------|
| 5.06.22 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |                                     |
| Engineer                               | 5.9                | hours           | \$130.00   | \$767                   | 396.3 hours @ 0.015 hr/hr = 5.9 hours  | Engineer rate: 2011 3rd party quote |
| Clerical                               | 5.9                | hours           | \$45.00    | \$266                   | 396.3 hours @ 0.015 hr/hr = 5.9 hours  | Clerical rate: 2011 3rd party quote |
| Subtotal - Certification               |                    |                 |            | \$1,033                 |  |                                     |
| (Subt: Assemb 5.06.20 - 5.06.22)       |                    |                 |            | \$5,416                 |  |                                     |

|                               |             |       |       |          |
|-------------------------------|-------------|-------|-------|----------|
| 5.06 AWTS (inside) - 10 tanks | Direct Cost | Total | Basic | \$38,580 |
|-------------------------------|-------------|-------|-------|----------|



Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.06 AWTS (inside) - 10 Tanks    |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$38,580                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$2,701                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$1,543                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$2,315                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$772                    | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$2,315                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$9,645                  |                   |
|                                  |  |                          |                   |
| Subtotal: AWTS (inside)/10 Tanks |  | \$48,225                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$4,823                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Total: AWTS (inside)/10 Tanks    |  | \$53,048                 |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.07 AWTS (inside SolSep) 2 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| <b>5.07.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 2                  | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$78                    |   |   |
| (Subt: Assemb 5.07.1 - 5.07.1)         |                    |                 |            | \$78                    | tanks: T-3011 and T-3012  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.07.2 Onsite Aqueous Treatment</b> |                    |                 |            |                         | average cost per gal aqueous wastes; assume pumped directly from tanks into AWTS                        |   |
| Onsite Aqueous Treatment - Tanks       | 750                | gals            | \$0.0453   | \$34                    | 750 gals  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$34                    |   |   |
| (Subt: Assemb 5.07.2 - 5.07.2)         |                    |                 |            | \$34                    | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.07.3 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0                  | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 490 Lb/CF = 0 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 0                  | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0                  | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0                  | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0                  | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0                  | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0                  | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0                  | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0                  | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           | 0                  | SF @            |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |
| <b>5.07.4 FRP Tank Demolition</b>      |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| No. of Tanks/Capacity/Area/Weight      | 2                  | tnks @          |            |                         | 750 gallons: 155 SF Tanks: 4 CF @ 245 Lb/CF = 1055 Lbs  | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 2.3                | hours           | \$39.00    | \$90                    | 155 SF @ 200 SF/hour 0.8 hours @ 3 units/crew = 2.3 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 1.6                | hours           | \$45.00    | \$72                    | 155 SF @ 200 SF/hour 0.8 hours @ 2 units/crew = 1.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.8                | hours           | \$84.09    | \$67                    | 155 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.8                | hours           | \$34.40    | \$28                    | 155 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.8                | hours           | \$2.47     | \$2                     | 155 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.8                | hours           | \$30.03    | \$24                    | 155 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.8                | hours           | \$86.31    | \$69                    | 155 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0                  | hours           | \$5.41     | \$0                     | 155 SF @ 200 SF/hour 0.8 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$352                   | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |
| <b>5.07.5 Tank Piping Demolition</b>   |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF               |   |
| Estimated Piping Length                | 200                | LF              |            |                         | 2 tanks @ 100 LF/tank = 200 LF @ 4 Lb/LF = 800 Lbs  | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 20                 | hours           | \$39.00    | \$780                   | 200 LF @ 20 LF/hour 10.0 hours @ 2 units/crew = 20.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 10                 | hours           | \$5.41     | \$54                    | 200 LF @ 20 LF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$834                   | in the absence of f   |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.07 AWTS (inside SolSep) 2 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.07.6 Tank Pump Demolition            |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank        |   |
| Laborers                               | 2                  | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 1                  | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition      |                    |                 |            | \$83                    | pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated        |   |
| 5.07.7 Load Tank Demo Debris           |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                |   |
| Laborer                                | 0.1                | hours           | \$39.00    | \$4                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.1                | hours           | \$45.00    | \$5                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                 | 0.1                | hours           | \$30.03    | \$3                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                   | 0.1                | hours           | \$5.20     | \$1                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris           |                    |                 |            | \$12                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
| 5.07.8 Unl'd Stabilize/Encapsulate     |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 1.2                | TONS            |            |                         | 1.1 CY debr + 15% kiln dust = 1.29 CY total total tonnage = 1.2 tons                                 | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                | 0.2                | hours           | \$39.00    | \$8                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.2                | hours           | \$45.00    | \$9                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                         | 0.1                | hours           | \$19.18    | \$2                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                   | 0.1                | hours           | \$14.39    | \$1                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                               | 0.1                | hours           | \$329.70   | \$33                    | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo              | 0.1                | hours           | \$136.29   | \$14                    | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost          | 0.2                | tons            | \$0.00     | \$0                     | 0.2 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 0.2                | loads           | \$0.00     | \$0                     | 0.2 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.2                | tons            | \$48.00    | \$10                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)       | 0                  | units           | \$1,000.00 | \$0                     | 1.3 CYs @ 30 CY/unit = 0.0 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                       | 0                  | hours           | \$19.02    | \$0                     | 1.3 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate           |                    |                 |            | \$76                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
| 5.07.9 Offsite T&D - Tank Demo         |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 385.0              | miles           | \$3.25     | \$1,251                 | 1.3 CY @ 30 CY/load = 0.3 loads (↑1.0) ; 385 miles/trip = 385 miles                                  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris         | 1.3                | CY              | \$337.50   | \$439                   | 1.3 CY @ 27 CF/CY = 34.9 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$1,690                 |  |   |
| (Subt: Assemb 5.07.3 - 5.07.9)         |                    |                 |            | \$3,047                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
| 5.07.10 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 6.0                | hours           | \$39.00    | \$234                   | 629 SF @ 105 SF/hr = 6.0 hours @ 1 pers/crew = 6.0 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                        | 6.0                | hours           | \$4.04     | \$24                    | 629 SF @ 105 SF/hr = 6.0 hours @ 1 unit/crew = 6.0 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                         | 6.0                | hours           | \$3.41     | \$20                    | 629 SF @ 105 SF/hr = 6.0 hours @ 1 unit/crew = 6.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                |                    |                 |            | \$279                   |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.07 AWTS (inside SolSep) 2 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                            | In-house Pricing References                                  |
|--|--------------------|-----------------|------------|-------------------------|---|--|
| 5.07.11 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |  |
| Laborer                                | 6.0                | hours           | \$39.00    | \$234                   | 629 SF @ 105 SF/hr = 6.0 hours @ 1 pers/crew = 6.0 hours                            | two laborers-1 unit each; rate 2011 3rd party quote          |
| Pressure Washer                        | 6.0                | hours           | \$4.04     | \$24                    | 629 SF @ 105 SF/hr = 6.0 hours @ 1 unit/crew = 6.0 hours                            | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                         | 6.0                | hours           | \$3.41     | \$20                    | 629 SF @ 105 SF/hr = 6.0 hours @ 1 unit/crew = 6.0 hours                            | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon SCA (rinse)               | 0                  |                 |            | \$279                   |   |  |
| 5.07.12 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs                                    |  |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                        | rate 2011 3rd party quote                                    |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                    |
| On-site Water Disposal                 | 315.5              |                 | \$0.0313   | \$10                    | 629 SF @ 0.5 gal/sf/wa = 315.5 gallons  | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$167                   |   |  |
| 5.07.13 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                      |  |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.55 hours @ 2 pers/crew = 1.1 hours                       | technician rate 2011 3rd party quote                         |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0                  | samp            | \$446.67   | \$0                     |   | analytical price: average of three quotes                    |
| PCB Analysis (SW 8081/8082)            | 1.1                | samp            | \$83.33    | \$92                    | 629 SF @ 625 SF/samp = 1.1 samples  | analytical price: average of three quotes                    |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$133                   |   |  |
| (Subt: Assemb 5.07.10 - 5.07.13)       |                    |                 |            | \$858                   | decontamination & sampling of SCA   |  |

Total Non-Super Labor Hours 42.7

|                                  |     |       |          |       |  |   |
|----------------------------------|-----|-------|----------|-------|--|---|
| 5.07.14 PPE Usage/H&S Planning   |     |       |          |       | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0   | days  | \$0.00   | \$0   | 42.7 hours @ 8 hr/day = 5.3 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 1.3 | days  | \$9.00   | \$12  | 42.7 hours @ 8 hr/day = 5.3 days @ 25% "Mod C" days = 1.3 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 4   | days  | \$25.00  | \$100 | 42.7 hours @ 8 hr/day = 5.3 days @ 75% "C" days = 4.0 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 1.1 | hours | \$75.00  | \$83  | 42.7 hours @ 2.5% hr/hr = 1.1 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$194 |  |   |
| 5.07.15 Supervision              |     |       |          |       | 1.0 day for closure of 2 tanks   |   |
| Foreman                          | 8   | hours | \$65.00  | \$520 | 1 day @ 8 hrs/day = 8.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0   | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$520 |  |   |
| 5.07.16 Certification            |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 0.6 | hours | \$130.00 | \$78  | 42.7 hours @ 0.015 hr/hr = 0.6 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 0.6 | hours | \$45.00  | \$27  | 42.7 hours @ 0.015 hr/hr = 0.6 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |     |       |          | \$105 |  |   |
| (Subt: Assemb 5.07.14 - 5.07.16) |     |       |          | \$819 |  |   |

|                                  |             |       |       |         |
|----------------------------------|-------------|-------|-------|---------|
| 5.07 AWTS (inside SolSep) 2 tnks | Direct Cost | Total | Basic | \$4,837 |
|----------------------------------|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|  |                             |                                   |                   |
|--|-----------------------------|-----------------------------------|-------------------|
| <b>5.07 AWTS (inside SolSep) 2 tnks</b>  |                             |                                   |                   |
| <b>Total Cost Summary</b>                |                             |                                   |                   |
|  |                             |                                   |                   |
| <b>Cost Category</b>                     | <b>Proposed<br/>Percent</b> | <b>Proposed<br/>2011<br/>Cost</b> | <b>Cost Range</b> |
|  | <b>of Direct Cost</b>       |                                   |                   |
| <b>Direct Costs/Basic Disposal</b>       |                             | \$4,837                           |                   |
|  |                             |                                   |                   |
| Plus Indirect Costs/Profit:              |                             |                                   |                   |
| Site Activity Management Costs           | 7.00%                       | \$339                             | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office         | 4.00%                       | \$193                             | note: DEC uses 4% |
| Pre-Construction Design Costs            | 6.00%                       | \$290                             | note: DEC uses 6% |
| Engineering During Construction          | 2.00%                       | \$97                              | note: DEC uses 2% |
| General Contractor Profit                | 6.00%                       | \$290                             | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b>     | 25.00%                      | \$1,209                           |                   |
|  |                             |                                   |                   |
| <b>Subtotal: AWTS (i/s SolSep) 2 tks</b> |                             | \$6,046                           |                   |
|  |                             |                                   |                   |
| <b>Plus Contingency</b>                  | 10.00%                      | \$605                             | CWM and DEC 10%   |
|  |                             |                                   |                   |
| <b>Total: AWTS (i/s SolSep) 2 tanks</b>  |                             | \$6,650                           |                   |
|  |                             |                                   |                   |

**Cost References:**

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.08 AWTS (o/s north AWT) 3 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.08.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required             |   |
| Laborer                                | 3.0                | hours           | \$39.00    | \$117                   | 3 tanks @ 0.5 hour/tank = 1.5 hours @ 2 units/crew = 3.0 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification      |                    |                 |            | \$117                   |   |   |
| (Subt: Assemb 5.08.1 - 5.08.1)         |                    |                 |            | \$117                   | tanks: T-100, T-125, and T-8008   |   |
|  |                    |                 |            |                         |   |   |
| 5.08.2 Empty Tank T-8008               |                    |                 |            |                         | prod'n rate = 1,650 gals/hr; rsm/up p. 9-171 (33-19-0101); one 500-gal tank                         |   |
| Laborer                                | 0.6                | hours           | \$39.00    | \$24                    | 500 gals @ 1650 gals/hr = 0.30 hours @ 2 units/crew 0.61 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      |                    | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 500 gals @ 1650 gals/hr = 0.30 hours @ 1 units/crew 0.30 hours                                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty T-8008 into Tanker        |                    |                 |            | \$26                    |   |   |
|  |                    |                 |            |                         |   |   |
| 5.08.3 Transport Tanker Onsite         |                    |                 |            |                         | production rate = 0.5 hours for on-site travel.   |   |
| Road Tractor (4 x 2, 30-ton)           | 0.05               | hours           | \$32.45    | \$2                     | 500 gals @ 5500 gals/load = 0.09 loads @ 0.5 hours/trip = 0.05 hours                                | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.05               | hours           | \$45.00    | \$2                     | 500 gals @ 5500 gals/load = 0.09 loads @ 0.5 hours/trip = 0.05 hours                                | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.05               | hours           | \$6.31     | \$0                     | 500 gals @ 5500 gals/load = 0.09 loads @ 0.5 hours/trip = 0.05 hours                                | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Transport Tanker Onsite         |                    |                 |            | \$4                     |   |   |
|  |                    |                 |            |                         |   |   |
| 5.08.4 Empty One (1) Tanker            |                    |                 |            |                         | prod'n rate = 1,650 gals/hr; rsm/up p. 9-171 (33-19-0101).  |   |
| Laborer                                | 0.61               | hours           | \$39.00    | \$24                    | 500 gals @ 1650 gals/hr = 0.30 hours @ 2 units/crew 0.61 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      |                    | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 500 gals @ 1650 gals/hr = 0.30 hours @ 1 units/crew 0.30 hours                                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty 1 Tankers' Contents       |                    |                 |            | \$26                    |   |   |
| (Subt: Assemb 5.08.2 - 5.08.4)         |                    |                 |            | \$56                    | empty T-8008 into tanker and transport onsite to AWTS   |   |
|  |                    |                 |            |                         |   |   |
| 5.08.5 Onsite Aqueous Treatment        |                    |                 |            |                         |   |   |
| Onsite Aqu Treat - T-8008              | 500.0              | gallons         | \$1.8244   | \$912                   | 500 gallons   | AWTS treatment costs @ \$1.8244                           |
| Onsite Aqu Treat - T-100               | 160545.0           | gallons         | \$0.0453   | \$7,273                 | 160545 gallons  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqu Trt - Tankers        |                    |                 |            | \$8,185                 |   |   |
| (Subt: Assemb 5.08.5 - 5.08.5)         |                    |                 |            | \$8,185                 | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.08.6 Tnk T-125 Liqs to FAC pond      |                    |                 |            |                         | prod'n rate = 60,000 gals/hr = 1,000 gals/min (based upon facility estimate to pump from FAC ponds) |   |
| Laborer                                |                    | hours           | \$39.00    | \$0                     | Included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician                             | 1.0                | samp            | \$38.00    | \$38                    | 1.0 samp @ 0.5 hr/samp = 0.5 hours @ 2 pers/crew = 1.0 hours  | technician rate: rate 2011 3rd party quote                |
| VOCs                                   | 1.0                | samp            | \$105.00   | \$105                   | 1 sample  | analytical price: average of three quotes                 |
| Semi-VOCs                              | 1.0                | samp            | \$208.33   | \$208                   | 1 sample  | analytical price: average of three quotes                 |
| PCBs/Pesticides                        | 1.0                | samp            | \$133.33   | \$133                   | 1 sample  | analytical price: average of three quotes                 |
| Metals                                 | 1.0                | hours           | \$188.00   | \$188                   | 1 sample  | analytical price: average of three quotes                 |
| Discharge Pump (6"/1,000 gal/min)      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam)               | 0.0                | LF              | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subtotal - Tank T-125 to FAC Pond      |                    |                 |            | \$673                   |   |   |
| (Subt: Assemb 5.08.6 - 5.08.6)         |                    |                 |            | \$673                   | transfer contents of T-125 to FAC Ponds   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.08 AWTS (o/s north AWT) 3 tnks

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.08.7 Steel Tank Demolition</b>      |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 2.0                | <i>tnks @</i>   |            |                         | <i>554816 gallons: 17522 SF Tanks: 487 CF @ 490 Lb/CF = 238494 Lbs</i>                                  | <i>Steel Tanks only; estimate 490#/CF</i>                 |
| Laborer                                  | 262.8              | hours           | \$39.00    | \$10,249                | 17522 SF @ 200 SF/hour 87.6 hours @ 3 units/crew = 262.8 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 175.2              | hours           | \$45.00    | \$7,884                 | 17522 SF @ 200 SF/hour 87.6 hours @ 2 units/crew = 175.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 87.6               | hours           | \$84.09    | \$7,366                 | 17522 SF @ 200 SF/hour 87.6 hours @ 1 units/crew = 87.6 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 87.6               | hours           | \$34.40    | \$3,013                 | 17522 SF @ 200 SF/hour 87.6 hours @ 1 units/crew = 87.6 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 87.6               | hours           | \$2.47     | \$216                   | 17522 SF @ 200 SF/hour 87.6 hours @ 1 units/crew = 87.6 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 87.6               | hours           | \$30.03    | \$2,631                 | 17522 SF @ 200 SF/hour 87.6 hours @ 1 units/crew = 87.6 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 87.6               | hours           | \$86.31    | \$7,561                 | 17522 SF @ 200 SF/hour 87.6 hours @ 1 units/crew = 87.6 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 87.6               | hours           | \$5.41     | \$474                   | 17522 SF @ 200 SF/hour 87.6 hours @ 1 units/crew = 87.6 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition             |                    |                 |            | <b>\$39,395</b>         | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>             |   |
| <b>5.08.8 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 1.0                | <i>tnks @</i>   |            |                         | <i>500 gallons: 114 SF Tanks: 3 CF @ 245 Lb/CF = 776 Lbs</i>  | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 1.7                | hours           | \$39.00    | \$66                    | 114 SF @ 200 SF/hour 0.6 hours @ 3 units/crew = 1.7 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 1.1                | hours           | \$45.00    | \$50                    | 114 SF @ 200 SF/hour 0.6 hours @ 2 units/crew = 1.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.6                | hours           | \$84.09    | \$50                    | 114 SF @ 200 SF/hour 0.6 hours @ 1 units/crew = 0.6 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.6                | hours           | \$34.40    | \$21                    | 114 SF @ 200 SF/hour 0.6 hours @ 1 units/crew = 0.6 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.6                | hours           | \$2.47     | \$1                     | 114 SF @ 200 SF/hour 0.6 hours @ 1 units/crew = 0.6 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.6                | hours           | \$30.03    | \$18                    | 114 SF @ 200 SF/hour 0.6 hours @ 1 units/crew = 0.6 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.6                | hours           | \$86.31    | \$52                    | 114 SF @ 200 SF/hour 0.6 hours @ 1 units/crew = 0.6 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 114 SF @ 200 SF/hour 0.6 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | <b>\$258</b>            | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>             |   |
| <b>5.08.9 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF               |   |
| <i>Estimated Piping Length</i>           | 300.0              | <i>LF</i>       |            |                         | <i>3 tanks @ 100 LF/tank = 300 LF @ 4 Lb/LF = 1200 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 30.0               | hours           | \$39.00    | \$1,170                 | 300 LF @ 20 LF/hour 15.0 hours @ 2 units/crew = 30.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 15.0               | hours           | \$5.41     | \$81                    | 300 LF @ 20 LF/hour 15.0 hours @ 1 units/crew = 15.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$1,251</b>          | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                           |   |
| <b>5.08.10 Tank Pump Demolition</b>      |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank           |   |
| Laborers                                 | 3.0                | hours           | \$39.00    | \$117                   | 1.5 pumps @ 1 pump/hr 1.5 hours @ 2 units/crew = 3.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 1.5                | hours           | \$5.41     | \$8                     | 1.5 pumps @ 1 pump/hr 1.5 hours @ 1 units/crew = 1.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | <b>\$125</b>            | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>    |   |
| <b>5.08.11 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                   |   |
| Laborer                                  | 1.3                | hours           | \$39.00    | \$51                    | 19.6 CY @ 15 CY/hr = 1.3 hours @ 1 units/crew 1.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 1.3                | hours           | \$45.00    | \$59                    | 19.6 CY @ 15 CY/hr = 1.3 hours @ 1 units/crew = 1.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 1.3                | hours           | \$30.03    | \$39                    | 19.6 CY @ 15 CY/hr = 1.3 hours @ 1 units/crew = 1.3 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 1.3                | hours           | \$5.20     | \$7                     | 19.6 CY @ 15 CY/hr = 1.3 hours @ 1 units/crew 1.3 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | <b>\$155</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i>  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.08 AWTS (o/s north AWT) 3 tnks

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                  |
|--|--------------------|-----------------|------------|-------------------------|--|--|
| <b>5.08.12 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |  |
| <i>PROCESS TONS (incl kiln dust)</i>       | 123.4              | TONS            |            |                         | 19.6 CY debr + 15% kiln dust = 22.53 CY total total tonnage = 123.4 tons                             | total tons derived from foregoing assemblies + kiln dust     |
| Laborer                                    | 16.4               | hours           | \$39.00    | \$640                   | 123.4 tons @ 15 tons/hr @ 8.2 hours @ 2 units/crew = 16.4 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)                | 24.7               | hours           | \$45.00    | \$1,112                 | 123.4 tons @ 15 tons/hr @ 8.2 hours @ 3 units/crew = 24.7 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote    |
| Backhoe (1 CY)                             | 8.2                | hours           | \$19.18    | \$157                   | 123.4 tons @ 15 tons/hr @ 8.2 hours @ 1 units/crew = 8.2 hours                                       | RSM/HC p. 467 (line item 01 54 33 20 0460)                   |
| Loader, Wheel (1 CY)                       | 8.2                | hours           | \$14.39    | \$118                   | 123.4 tons @ 15 tons/hr @ 8.2 hours @ 1 units/crew = 8.2 hours                                       | RSM/HC p. 468 (line item 01 54 33 20 4610)                   |
| Shredder                                   | 8.2                | hours           | \$329.70   | \$2,704                 | 123.4 tons @ 15 tons/hr @ 8.2 hours @ 1 units/crew = 8.2 hours                                       | 2004 DEC Rate * Implicit Deflator                            |
| Mixing Pit/Screening/Silo                  | 8.2                | hours           | \$136.29   | \$1,118                 | 123.4 tons @ 15 tons/hr @ 8.2 hours @ 1 units/crew = 8.2 hours                                       | 2004 DEC Rate * Implicit Deflator                            |
| Cement Kiln Dust - Mat'l Cost              | 0.0                | tons            | \$0.00     | \$0                     | 2.9 tons   |  |
| Cement Kiln Dust - Delivery Cost           | 0.0                | loads           | \$0.00     | \$0                     | 2.9 tons @ 20 ton/load = 0.1 loads   |  |
| Cement Kiln Dust - Mat'l&Delv Cost         | 2.9                | tons            | \$48.00    | \$139                   |  | CWM actual 2011 costs  |
| Encapsulation Containers (30-CY)           | 0.8                | units           | \$1,000.00 | \$800                   | 22.5 CYs @ 30 CY/unit = 0.8 containers   | CWM actual 2011 costs  |
| Rolloffs (30-CY)                           | 6.2                | hours           | \$19.02    | \$118                   | 22.5 CYs @ 30 CY/unit = 0.8 rolloffs @ 8.2 hours/rolloff = 6.2 hours                                 | dumpster RSM/BC p. 42 (02225-730-0800)                       |
| Subt - Stabilize/Encapsulate               |                    |                 |            | <b>\$6,905</b>          | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |  |
|  |                    |                 |            |                         |  |  |
| <b>5.08.13 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |  |
| Offsite Transportation - Debris            | 385.0              | miles           | \$3.25     | \$1,251                 | 22.5 CY @ 30 CY/load = 0.8 loads (↑1.0) ( 385 miles/trip = 385.0 miles                               | Rate: transporters quote/site experience                     |
| Offsite Disposal - Tank Debris             | 22.5               | CY              | \$337.50   | \$7,594                 | 22.5 CY @ 27 CF/CY = 608.2 CF  | DEC 2004 Estimate accounting for inflation                   |
| Subt - Offsite T&D - Tank Demo             |                    |                 |            | <b>\$8,845</b>          |  |  |
| <i>(Subt: Assemb 5.08.7 - 5.08.13)</i>     |                    |                 |            | <b>\$56,934</b>         | tank/piping/pump demolition, and offsite transportation & disposal                                   |  |
| <b>5.08.14 Decon SCA (wash)</b>            |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |  |
| Laborer                                    | 151.2              | hours           | \$39.00    | \$5,897                 | 15875 SF @ 105 SF/hr = 151.2 hours @ 1 pers/crew = 151.2 hours                                       | two laborers-1 unit each; rate 2011 3rd party quote          |
| Pressure Washer                            | 151.2              | hours           | \$4.04     | \$611                   | 15875 SF @ 105 SF/hr = 151.2 hours @ 1 unit/crew = 151.2 hours                                       | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                             | 151.2              | hours           | \$3.41     | \$516                   | 15875 SF @ 105 SF/hr = 151.2 hours @ 1 unit/crew = 151.2 hours                                       | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon SCA (wash)                    |                    |                 |            | <b>\$7,023</b>          |  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.08.15 Decon SCA (rinse)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |  |
| Laborer                                    | 151.2              | hours           | \$39.00    | \$5,897                 | 15875 SF @ 105 SF/hr = 151.2 hours @ 1 pers/crew = 151.2 hours                                       | two laborers-1 unit each; rate 2011 3rd party quote          |
| Pressure Washer                            | 151.2              | hours           | \$4.04     | \$611                   | 15875 SF @ 105 SF/hr = 151.2 hours @ 1 unit/crew = 151.2 hours                                       | RSM/HC p. 471 (line item 01 54 33 40 5450)                   |
| Vacuum Sweeper                             | 151.2              | hours           | \$3.41     | \$516                   | 15875 SF @ 105 SF/hr = 151.2 hours @ 1 unit/crew = 151.2 hours                                       | RSM/HC p. 473 (line item 01 54 33 40 7800)                   |
| Subt - Decon SCA (rinse)                   |                    |                 |            | <b>\$7,023</b>          |  |  |
|  |                    |                 |            |                         |  |  |
| <b>5.08.16 Decon Water Samp/Disp</b>       |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |  |
| Technician                                 | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                    |
| VOC Analysis (EPA 624)                     | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                    |
| On-site Water Disposal                     | 7937.5             | gal             | \$0.0313   | \$248                   | 15875 SF @ 0.5 gal/sf/wa = 7937.5 gallons  | site waters waste treat price ; vol @ 0.5 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose            |                    |                 |            | <b>\$406</b>            |  |  |
|  |                    |                 |            |                         |  |  |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.08 AWTs (o/s north AWT) 3 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                  |      |       |          |          |   |   |
|----------------------------------|------|-------|----------|----------|---|---|
| 5.08.17 PCB Wipe Samples         |      |       |          |          | No TCLP analyses necessary according to site-wide closure plan  |   |
| Technician                       | 25.4 | hours | \$38.00  | \$965    | 25.4 samp @ 0.5 hr/samp = 12.7 hours @ 2 pers/crew = 25.4 hours | technician rate 2011 3rd party quote      |
| TCLP (Metals/VOCs/Semi-VOCs)     | 0.0  | samp  | \$446.67 | \$0      |   | analytical price: average of three quotes |
| PCB Analysis (SW 8081/8082)      | 25.4 | samp  | \$83.33  | \$2,117  | 15875 SF @ 625 SF/samp = 25.4 samples                           | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp    |      |       |          | \$3,082  |   |   |
| (Subt: Assemb 5.08.14 - 5.08.17) |      |       |          | \$17,534 | decontamination & sampling of SCA                               |   |

Total Non-Super Labor Hours 851.7

|                                  |       |       |          |          |  |   |
|----------------------------------|-------|-------|----------|----------|--|---|
| 5.08.18 PPE Usage/H&S Planning   |       |       |          |          | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0   | days  | \$0.00   | \$0      | 851.7 hours @ 8 hr/day = 106.5 days @ 0% "D" days = 0.0 days                                     | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 26.6  | days  | \$9.00   | \$239    | 851.7 hours @ 8 hr/day = 106.5 days @ 25% "Mod C" days = 26.6 days                               | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 79.9  | days  | \$25.00  | \$1,998  | 851.7 hours @ 8 hr/day = 106.5 days @ 75% "C" days = 79.9 days                                   | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 21.3  | hours | \$75.00  | \$1,598  | 851.7 hours @ 2.5% hr/hr = 21.3 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |       |       |          | \$3,834  |  |   |
| 5.08.19 Supervision              |       |       |          |          | 3 weeks for closure of 3 tanks   |   |
| Foreman                          | 120.0 | hours | \$65.00  | \$7,800  | 3 weeks @ 40 hrs/wk = 120.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0.0   | hours | \$75.00  | \$0      | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |       |       |          | \$7,800  |  |   |
| 5.08.20 Certification            |       |       |          |          | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 12.8  | hours | \$130.00 | \$1,664  | 851.7 hours @ 0.015 hr/hr = 12.8 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 12.8  | hours | \$45.00  | \$576    | 851.7 hours @ 0.015 hr/hr = 12.8 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |       |       |          | \$2,240  |  |   |
| (Subt: Assemb 5.08.18 - 5.08.20) |       |       |          | \$13,874 |  |   |

|                                  |             |       |       |          |
|----------------------------------|-------------|-------|-------|----------|
| 5.08 AWTs (o/s north AWT) 3 tnks | Direct Cost | Total | Basic | \$97,372 |
|----------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|   |   |                                   |                   |
|---|---|-----------------------------------|-------------------|
| <b>5.08 AWTS (o/s north AWT) 3 tnks</b> |   |                                   |                   |
| <b>Total Cost Summary</b>               |   |                                   |                   |
|   |   |                                   |                   |
| <b>Cost Category</b>                    | <b>Proposed<br/>Percent<br/><br/>of Direct Cost</b> | <b>Proposed<br/>2011<br/>Cost</b> | <b>Cost Range</b> |
| <b>Direct Costs/Basic Disposal</b>      |   | \$97,372                          |                   |
|   |   |                                   |                   |
| Plus Indirect Costs/Profit:             |   |                                   |                   |
| Site Activity Management Costs          | 7.00%   | \$6,816                           | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office        | 4.00%   | \$3,895                           | note: DEC uses 4% |
| Pre-Construction Design Costs           | 6.00%   | \$5,842                           | note: DEC uses 6% |
| Engineering During Construction         | 2.00%   | \$1,947                           | note: DEC uses 2% |
| General Contractor Profit               | 6.00%   | \$5,842                           | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b>    | 25.00%  | \$24,343                          |                   |
|   |   |                                   |                   |
| <b>Subt: AWTS (o/s nor AWT) 3 Tnks</b>  |   | \$121,715                         |                   |
|   |   |                                   |                   |
| <b>Plus Contingency</b>                 | 10.00%  | \$12,172                          | CWM and DEC 10%   |
|   |   |                                   |                   |
| <b>Tot: AWTS (o/s nor AWT) 3 Tnks</b>   |   | \$133,887                         |                   |
|   |   |                                   |                   |

**Cost References:**

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.09 AWTS (o/s west AWT) 1 tank

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.09.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 1                  | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.09.1 - 5.09.1)         |                    |                 |            | \$39                    | tank: T-58  |   |
| <b>5.09.2 T-58 Liquids to FAC pond</b> |                    |                 |            |                         | prod'n rate = 60,000 gals/hr = 1,000 gals/min (based upon facility experience to pump from FAC ponds)   |   |
| Laborer                                |                    | hours           | \$39.00    | \$0                     | Included in third party operation of AWTS   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| VOCs                                   | 1                  | samp            | \$38.00    | \$38                    | 1 sample  | analytical price: average of three quotes                 |
| Semi-VOCs                              | 1                  | samp            | \$105.00   | \$105                   | 1 sample  | analytical price: average of three quotes                 |
| PCBs/Pesticides                        | 1                  | samp            | \$208.33   | \$208                   | 1 sample  | analytical price: average of three quotes                 |
| Metals                                 | 1                  | samp            | \$133.33   | \$133                   | 1 sample  | analytical price: average of three quotes                 |
| Discharge Pump                         | 0                  | hours           | \$188.00   | \$0                     | Existing equipment part of tank system  | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam)               | 0                  | LF              | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subt--T-58 Liqs to FAC pond            |                    |                 | \$0.00     | \$485                   | transfer contents of Tank T-58 to FAC ponds   |   |
| (Subt: Assemb 5.09.2 - 5.09.2)         |                    |                 |            | \$485                   | transfer contents of Tank T-58 to FAC ponds   |   |
| <b>5.09.3 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 1                  | tnks @          |            |                         | 488529 gallons: 13869 SF Tanks: 385 CF @ 490 Lb/CF = 188773 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 208                | hours           | \$39.00    | \$8,112                 | 13869 SF @ 200 SF/hour 69.3 hours @ 3 units/crew = 208.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 138.7              | hours           | \$45.00    | \$6,242                 | 13869 SF @ 200 SF/hour 69.3 hours @ 2 units/crew = 138.7 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 69.3               | hours           | \$84.09    | \$5,827                 | 13869 SF @ 200 SF/hour 69.3 hours @ 1 units/crew = 69.3 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 69.3               | hours           | \$34.40    | \$2,384                 | 13869 SF @ 200 SF/hour 69.3 hours @ 1 units/crew = 69.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 69.3               | hours           | \$2.47     | \$171                   | 13869 SF @ 200 SF/hour 69.3 hours @ 1 units/crew = 69.3 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 69.3               | hours           | \$30.03    | \$2,081                 | 13869 SF @ 200 SF/hour 69.3 hours @ 1 units/crew = 69.3 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 69.3               | hours           | \$86.31    | \$5,981                 | 13869 SF @ 200 SF/hour 69.3 hours @ 1 units/crew = 69.3 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 69.3               | hours           | \$5.41     | \$375                   | 13869 SF @ 200 SF/hour 69.3 hours @ 1 units/crew = 69.3 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           | 13869              | SF @            |            | \$31,173                | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
| <b>5.09.4 FRP Tank Demolition</b>      |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| No. of Tanks/Capacity/Area/Weight      | 0                  | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0                  | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0                  | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0                  | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0                  | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0                  | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0                  | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0                  | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0                  | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.09 AWTS (o/s west AWT) 1 tank

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.09.5 Tank Piping Demolition</b>      |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF                                   |   |
| <i>Estimated Piping Length</i>            | 100                | LF              |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>   | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                  | 10                 | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew 10.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 5                  | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition       |                    |                 |            | <b>\$417</b>            | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>   |   |
|   |                    |                 |            |                         |   |   |
| <b>5.09.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank                               |   |
| Laborers                                  | 1                  | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>                        |   |
|   |                    |                 |            |                         |   |   |
| <b>5.09.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)   |   |
| Laborer                                   | 1                  | hours           | \$39.00    | \$39                    | 14.8 CY @ 15 CY/hr = 1.0 hours @ 1 units/crew 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 1                  | hours           | \$45.00    | \$45                    | 14.8 CY @ 15 CY/hr = 1.0 hours @ 1 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 1                  | hours           | \$30.03    | \$30                    | 14.8 CY @ 15 CY/hr = 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 1                  | hours           | \$5.20     | \$5                     | 14.8 CY @ 15 CY/hr = 1.0 hours @ 1 units/crew 1.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$119</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i>                      |   |
|   |                    |                 |            |                         |   |   |
| <b>5.09.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers                        |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 96.9               | TONS            |            |                         | 14.8 CY debr + 15% kiln dust = 16.96 CY total total tonnage = 96.9 tons   | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 12.9               | hours           | \$39.00    | \$503                   | 96.9 tons @ 15 tons/hr @ 6.5 hours @ 2 units/crew = 12.9 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 19.4               | hours           | \$45.00    | \$873                   | 96.9 tons @ 15 tons/hr @ 6.5 hours @ 3 units/crew = 19.4 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 6.5                | hours           | \$19.18    | \$125                   | 96.9 tons @ 15 tons/hr @ 6.5 hours @ 1 units/crew = 6.5 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 6.5                | hours           | \$14.39    | \$94                    | 96.9 tons @ 15 tons/hr @ 6.5 hours @ 1 units/crew = 6.5 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 6.5                | hours           | \$329.70   | \$2,143                 | 96.9 tons @ 15 tons/hr @ 6.5 hours @ 1 units/crew = 6.5 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 6.5                | hours           | \$136.29   | \$886                   | 96.9 tons @ 15 tons/hr @ 6.5 hours @ 1 units/crew = 6.5 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             |                    | tons            |            | \$0                     | 2.2 tons  |   |
| Cement Kiln Dust - Delivery Cost          |                    | loads           |            | \$0                     | 2.2 tons @ 20 ton/load = 0.1 loads  |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 2.2                | tons            | \$48.00    | \$106                   |   | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.6                | units           | \$1,000.00 | \$600                   | 17.0 CYs @ 30 CY/unit = 0.6 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 3.7                | hours           | \$19.02    | \$70                    | 17.0 CYs @ 30 CY/unit = 0.6 rolloffs @ 6.5 hours/rolloff = 3.7 hours  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$5,399</b>          | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i>                      |   |
|   |                    |                 |            |                         |   |   |
| <b>5.09.9 Offsite T&amp;D -Tank Demo</b>  |                    |                 |            |                         | offsite disposal is determined to be the only disposal option offsite disposal is determined to be the only disposal option |   |
| Offsite Transportation - Debris           | 385.0              | miles           | \$3.25     | \$1,251                 | 17.0 CY @ 30 CY/load = 0.6 loads(↑1.0) ( 385 miles/trip = 385.0 miles   | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 17.0               | CY              | \$337.50   | \$5,738                 | 17.0 CY @ 27 CF/CY = 458.0 CF   | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$6,989</b>          |   |   |
| <i>(Subt: Assemb 5.09.3 - 5.09.9)</i>     |                    |                 |            | <b>\$44,139</b>         | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.09 AWTS (o/s west AWT) 1 tank

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.09.10 Decon SCA (wash)</b>        |                    |                 |            |                         | not applicable - no secondary containment for this tank  |   |
| Laborer                                | 0                  | hours           | \$39.00    | \$0                     |  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 0                  | hours           | \$4.04     | \$0                     |  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 0                  | hours           | \$3.41     | \$0                     |  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.09.11 Decon SCA (rinse)</b>       |                    |                 |            |                         | not applicable - no secondary containment for this tank  |   |
| Laborer                                | 0                  | hours           | \$39.00    | \$0                     |  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 0                  | hours           | \$4.04     | \$0                     |  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 0                  | hours           | \$3.41     | \$0                     |  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.09.12 Decon Water Samp/Disp</b>   |                    |                 |            |                         | not applicable - no secondary containment for this tank  |   |
| Technician                             | 0                  | hours           | \$38.00    | \$0                     |  | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 0                  | samp            | \$105.00   | \$0                     |  | analytical price: average of three quotes                     |
| On-site Water Disposal                 |                    |                 | \$0.0313   | \$0                     |  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.09.13 PCB Wipe Samples</b>        |                    |                 |            |                         | not applicable - no secondary containment for this tank  |   |
| Technician                             | 0                  | hours           | \$38.00    | \$0                     |  | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0                  | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 0                  | samp            | \$83.33    | \$0                     |  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$0                     |  |   |
| (Subt: Assemb 5.09.10 - 5.09.13)       |                    |                 |            | \$0                     | decontamination & sampling of SCA                        |   |

Total Non-Super Labor Hours

393

|                                |      |       |         |         |  |              |             |                    |           |   |
|--------------------------------|------|-------|---------|---------|--|--------------|-------------|--------------------|-----------|---|
| 5.09.14 PPE Usage/H&S Planning |      |       |         |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |              |             |                    |           |   |
| PPE Usage - Level D            | 0    | days  | \$0.00  | \$0     | 393.0 hours @  | 8 hr/day =   | 49.1 days @ | 0% "D" days =      | 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C        | 12.3 | days  | \$9.00  | \$111   | 393.0 hours @  | 8 hr/day =   | 49.1 days @ | 25% "Mod C" days = | 12.3 days | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C            | 36.8 | days  | \$25.00 | \$920   | 393.0 hours @  | 8 hr/day =   | 49.1 days @ | 75% "C" days =     | 36.8 days | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                | 9.8  | hours | \$75.00 | \$735   | 393.0 hours @  | 2.5% hr/hr = | 9.8 hours   |                    |           | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning  |      |       |         | \$1,766 |  |              |             |                    |           |   |
|                                |      |       |         |         |  |              |             |                    |           |   |
| 5.09.15 Supervision            |      |       |         |         | 1 week for closure of 1 tank   |              |             |                    |           |   |
| Foreman                        | 40   | hours | \$65.00 | \$2,600 | 1 week @   | 40 hrs/wk =  | 40.0 hours  |                    |           | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager           | 0    | hours | \$75.00 | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      |              |             |                    |           | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision         |      |       |         | \$2,600 |  |              |             |                    |           |   |
|                                |      |       |         |         |  |              |             |                    |           |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.09 AWTS (o/s west AWT) 1 tank

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References         |
|--|--------------------|-----------------|------------|-------------------------|--|-------------------------------------|
| 5.09.16 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |                                     |
| Engineer                               | 5.9                | hours           | \$130.00   | \$767                   | 393.0 hours @ 0.015 hr/hr = 5.9 hours  | Engineer rate: 2011 3rd party quote |
| Clerical                               | 5.9                | hours           | \$45.00    | \$266                   | 393.0 hours @ 0.015 hr/hr = 5.9 hours  | Clerical rate: 2011 3rd party quote |
| Subtotal -Certification                |                    |                 |            | \$1,033                 |  |                                     |
| (Subt: Assemb 5.09.14 - 5.09.16)       |                    |                 |            | \$5,398                 |  |                                     |

|                                 |             |       |       |          |
|---------------------------------|-------------|-------|-------|----------|
| 5.09 AWTS (o/s west AWT) 1 tank | Direct Cost | Total | Basic | \$50,061 |
|---------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.09 AWTS (o/s west AWT) 1 tank  |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$50,061                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$3,504                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$2,002                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$3,004                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$1,001                  | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$3,004                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$12,515                 |                   |
|                                  |  |                          |                   |
| Subt: AWTS (o/s west AWT) 1 tnk  |  | \$62,576                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$6,258                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (o/s west AWT) 1 tank  |  | \$68,834                 |                   |
|                                  |  |                          |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition(rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.10 AWTS (o/s east AWT) 5 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| <b>5.10.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 5                  | hours           | \$39.00    | \$195                   | 5 tanks @ 0.5 hour/tank = 2.5 hours @ 2 units/crew = 5.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | <b>\$195</b>            |   |   |
| (Subt: Assemb 5.10.1 - 5.10.1)         |                    |                 |            | <b>\$195</b>            | tanks: T-210, T-220, T-230, T-310, and T-320  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.10.2 Onsite Aqueous Treatment</b> |                    |                 |            |                         | highly-contaminated liquid wastes to be pumped directly from tanks into AWTS                            |   |
| Onsite Aqueous Treatment - Tanks       | 150914             | gals            | \$0.0453   | \$6,836                 | 150914 gals   | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | <b>\$6,836</b>          |   |   |
| (Subt: Assemb 5.10.2 - 5.10.2)         |                    |                 |            | <b>\$6,836</b>          | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.10.3 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 2                  | tnks @          |            |                         | 60000 gallons: 2450 SF Tanks: 68 CF @ 490 Lb/CF = 33347 Lbs   | Steel Tanks only; facility estimates 490#/CF              |
| Laborer                                | 36.8               | hours           | \$39.00    | \$1,435                 | 2450 SF @ 200 SF/hour 12.3 hours @ 3 units/crew = 36.8 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 24.5               | hours           | \$45.00    | \$1,103                 | 2450 SF @ 200 SF/hour 12.3 hours @ 2 units/crew = 24.5 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 12.3               | hours           | \$84.09    | \$1,034                 | 2450 SF @ 200 SF/hour 12.3 hours @ 1 units/crew = 12.3 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 12.3               | hours           | \$34.40    | \$423                   | 2450 SF @ 200 SF/hour 12.3 hours @ 1 units/crew = 12.3 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 12.3               | hours           | \$2.47     | \$30                    | 2450 SF @ 200 SF/hour 12.3 hours @ 1 units/crew = 12.3 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 12.3               | hours           | \$30.03    | \$369                   | 2450 SF @ 200 SF/hour 12.3 hours @ 1 units/crew = 12.3 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 12.3               | hours           | \$86.31    | \$1,062                 | 2450 SF @ 200 SF/hour 12.3 hours @ 1 units/crew = 12.3 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 12.3               | hours           | \$5.41     | \$67                    | 2450 SF @ 200 SF/hour 12.3 hours @ 1 units/crew = 12.3 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | <b>\$5,523</b>          | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |
| <b>5.10.4 FRP Tank Demolition</b>      |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| No. of Tanks/Capacity/Area/Weight      | 3                  | tnks @          |            |                         | 90914 gallons: 4380 SF Tanks: 122 CF @ 245 Lb/CF = 29808 Lbs  | FRP Tanks only; facility estimates 245#/CF                |
| Plastic Bio-media in tanks             | 226                | CY              | n/a        |                         | 60914 gallons = 8122 tank CF @ 75% equals 6091 biomedica CF = 226 CY                                    | plastic bio-media projected to occupy 75% of tank volume  |
| Lab'r/EO/loader to handle bio-media    | 9                  | hours           | 131.79     | \$1,186                 | 226 CY @ 25 CY/hr = 9.0 hours; 50 Lb/CY = 11280 Lbs   | handling @ 25 CY/hr; bio-media weight est @ 50#/CY        |
| Laborer                                | 65.7               | hours           | \$39.00    | \$2,562                 | 4380 SF @ 200 SF/hour 21.9 hours @ 3 units/crew = 65.7 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 43.8               | hours           | \$45.00    | \$1,971                 | 4380 SF @ 200 SF/hour 21.9 hours @ 2 units/crew = 43.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 21.9               | hours           | \$84.09    | \$1,842                 | 4380 SF @ 200 SF/hour 21.9 hours @ 1 units/crew = 21.9 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 21.9               | hours           | \$34.40    | \$753                   | 4380 SF @ 200 SF/hour 21.9 hours @ 1 units/crew = 21.9 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 21.9               | hours           | \$2.47     | \$54                    | 4380 SF @ 200 SF/hour 21.9 hours @ 1 units/crew = 21.9 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 21.9               | hours           | \$30.03    | \$658                   | 4380 SF @ 200 SF/hour 21.9 hours @ 1 units/crew = 21.9 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 21.9               | hours           | \$86.31    | \$1,890                 | 4380 SF @ 200 SF/hour 21.9 hours @ 1 units/crew = 21.9 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0                  | hours           | \$5.41     | \$0                     | 4380 SF @ 200 SF/hour 21.9 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | <b>\$10,916</b>         | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.10 AWTS (o/s east AWT) 5 tnks

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.10.5 Tank Piping Demolition</b>      |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>            | 500                | LF              |            |                         | 5 tanks @ 100 LF/tank = 500 LF @ 4 Lb/LF = 2000 Lbs  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                  | 50                 | hours           | \$39.00    | \$1,950                 | 500 LF @ 20 LF/hour 25.0 hours @ 2 units/crew = 50.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 25                 | hours           | \$5.41     | \$135                   | 500 LF @ 20 LF/hour 25.0 hours @ 1 units/crew = 25.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition       |                    |                 |            | <b>\$2,085</b>          | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.10.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr; assume 0.5 pumps/tank   |   |
| Laborers                                  | 5                  | hours           | \$39.00    | \$195                   | 2.5 pumps @ 1 pump/hr 2.5 hours @ 2 units/crew = 5.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 2.5                | hours           | \$5.41     | \$14                    | 2.5 pumps @ 1 pump/hr 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$209</b>            | <i>pump weight = 250# each; one pump per two tanks is estimated</i>                                    |   |
|   |                    |                 |            |                         |  |   |
| <b>5.10.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                   | 15.7               | hours           | \$39.00    | \$612                   | 235.0 CY @ 15 CY/hr = 15.7 hours @ 1 units/crew 15.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 15.7               | hours           | \$45.00    | \$707                   | 235.0 CY @ 15 CY/hr = 15.7 hours @ 1 units/crew = 15.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 15.7               | hours           | \$30.03    | \$471                   | 235.0 CY @ 15 CY/hr = 15.7 hours @ 1 units/crew = 15.7 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 15.7               | hours           | \$5.20     | \$82                    | 235.0 CY @ 15 CY/hr = 15.7 hours @ 1 units/crew 15.7 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$1,872</b>          | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.10.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 73.8               | TONS            |            |                         | 235.0 CY debr + 15% kiln dust = 270.30 CY total total tonnage = 73.8 tons                              | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 9.8                | hours           | \$39.00    | \$382                   | 73.8 tons @ 15 tons/hr @ 4.9 hours @ 2 units/crew = 9.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 14.8               | hours           | \$45.00    | \$666                   | 73.8 tons @ 15 tons/hr @ 4.9 hours @ 3 units/crew = 14.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 4.9                | hours           | \$19.18    | \$94                    | 73.8 tons @ 15 tons/hr @ 4.9 hours @ 1 units/crew = 4.9 hours  | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 4.9                | hours           | \$14.39    | \$71                    | 73.8 tons @ 15 tons/hr @ 4.9 hours @ 1 units/crew = 4.9 hours  | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 4.9                | hours           | \$329.70   | \$1,616                 | 73.8 tons @ 15 tons/hr @ 4.9 hours @ 1 units/crew = 4.9 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 4.9                | hours           | \$136.29   | \$668                   | 73.8 tons @ 15 tons/hr @ 4.9 hours @ 1 units/crew = 4.9 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0                  | tons            | \$0.00     | \$0                     | not applicable   |   |
| Cement Kiln Dust - Delivery Cost          | 0                  | loads           | \$0.00     | \$0                     | not applicable   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 35.3               | tons            | \$48.00    | \$1,694                 | 35.3 tons  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 9                  | units           | \$1,000.00 | \$9,000                 | 270.3 CYs @ 30 CY/unit = 9.0 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 44.3               | hours           | \$19.02    | \$843                   | 270.3 CYs @ 30 CY/unit = 9.0 rolloffs @ 4.9 hours/rolloff = 44.3 hours                                 | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$15,033</b>         | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.10.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 3465.0             | miles           | \$3.25     | \$11,261                | 270.3 CY @ 30 CY/load = 9.0 loads @ 385 miles/trip = 3465.0miles                                       | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 270.3              | CY              | \$337.50   | \$91,226                | 270.3 CY @ 27 CF/CY = 7298.0 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$102,488</b>        |  |   |
| <i>(Subt: Assemb 5.10.3 - 5.10.9)</i>     |                    |                 |            | <b>\$138,126</b>        | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.10 AWTS (o/s east AWT) 5 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.10.10 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience              |   |
| Laborer                                | 33.4               | hours           | \$39.00    | \$1,303                 | 3510 SF @ 105 SF/hr = 33.4 hours @ 1 pers/crew = 33.4 hours                                      | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 33.4               | hours           | \$4.04     | \$135                   | 3510 SF @ 105 SF/hr = 33.4 hours @ 1 unit/crew = 33.4 hours                                      | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 33.4               | hours           | \$3.41     | \$114                   | 3510 SF @ 105 SF/hr = 33.4 hours @ 1 unit/crew = 33.4 hours                                      | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$1,551                 |  |   |
|  |                    |                 |            |                         |  |   |
| 5.10.11 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience              |   |
| Laborer                                | 33.4               | hours           | \$39.00    | \$1,303                 | 3510 SF @ 105 SF/hr = 33.4 hours @ 1 pers/crew = 33.4 hours                                      | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 33.4               | hours           | \$4.04     | \$135                   | 3510 SF @ 105 SF/hr = 33.4 hours @ 1 unit/crew = 33.4 hours                                      | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 33.4               | hours           | \$3.41     | \$114                   | 3510 SF @ 105 SF/hr = 33.4 hours @ 1 unit/crew = 33.4 hours                                      | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$1,551                 |  |   |
|  |                    |                 |            |                         |  |   |
| 5.10.12 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                                     | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 1705.0             | gal             | \$0.0313   | \$53                    | 3510 SF @ 0.5 gal/sf/wa = 1705.0 gallons   | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$211                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.10.13 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                                   |   |
| Technician                             | 5.6                | hours           | \$38.00    | \$213                   | 5.6 samp @ 0.5 hr/samp = 2.8 hours @ 2 pers/crew = 5.6 hours                                     | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0                  | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 5.6                | samp            | \$83.33    | \$467                   | 3510 SF @ 625 SF/samp = 5.6 samples  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$679                   |  |   |
| (Subt: Assemb 5.10.10 - 5.10.13)       |                    |                 |            | \$3,993                 | decontamination & sampling of SCA  |   |
|  |                    |                 |            |                         |  |   |
| 5.10.14 Offsite T&D - PCB Solids       |                    |                 |            |                         | 3,800 Lbs of PCB Solids from T-310 and T-320   |   |
| Transportation                         | 193.7              | miles           | \$3.25     | \$630                   | 1.9 tons @ 15.0 tons/load = 0.1 loads @ 1529 miles/load = 193.7 miles                            | Rate: transporters quote/site experience                      |
| Disposal                               | 3800               | Lbs             | \$0.64     | \$2,432                 | 3800.0 Lbs   | Current CWM 2011 third party rate                             |
| Subt - Offsite T&D - PCB Solids        |                    |                 |            | \$3,062                 |  |   |
| (Subt: Assemb 5.10.14 - 5.10.14)       |                    |                 |            | \$3,062                 | offsite T&D of 3,800 Lbs of PCB solids   |   |
|  |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours 369.3      |                    |                 |            |                         |  |   |
|  |                    |                 |            |                         |  |   |
| 5.10.15 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    |                    | days            | \$0.00     | \$0                     | 369.3 hours @ 8 hr/day = 46.2 days @ 0% "D" days = 0.0 days                                      | Standard Work Clothes - Site Experience                       |
| PPE Usage - Mod Level C                | 11.5               | days            | \$9.00     | \$104                   | 369.3 hours @ 8 hr/day = 46.2 days @ 25% "D" days = 11.5 days                                    | 25% of non-supv hrs in Mod Level C (price: \$9/day)           |
| PPE Usage - Level C                    | 34.7               | days            | \$25.00    | \$868                   | 369.3 hours @ 8 hr/day = 46.2 days @ 75% "C" days = 34.7 days                                    | 75% of non-supv hrs in Level C (price: \$25/day)              |
| Safety Engineer                        | 9.2                | hours           | \$75.00    | \$690                   | 369.3 hours @ 2.5% hr/hr = 9.2 hours   | Safety Eng Rate: rate 2011 3rd party quote                    |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$1,661                 |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.10 AWTs (o/s east AWT) 5 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References                |
|--|--------------------|-----------------|------------|-------------------------|--|--|
|  |                    |                 |            |                         |  |  |
| 5.10.16 Supervision                    |                    |                 |            |                         | 1 week for closure of 5 tanks  |  |
| Foreman                                | 40                 | hours           | \$65.00    | \$2,600                 | 1 week @ 40 hrs/wk = 40.0 hours  | Outside foreman rate: 2011 3rd party quote |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                      | Site Manager Rate: 2011 3rd party quote    |
| Subtotal - Supervision                 |                    |                 |            | \$2,600                 |  |  |
|  |                    |                 |            |                         |  |  |
| 5.10.17 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |  |
| Engineer                               | 5.5                | hours           | \$130.00   | \$715                   | 369.3 hours @ 0.015 hr/hr = 5.5 hours  | Engineer rate: 2011 3rd party quote        |
| Clerical                               | 5.5                | hours           | \$45.00    | \$248                   | 369.3 hours @ 0.015 hr/hr = 5.5 hours  | Clerical rate: 2011 3rd party quote        |
| Subtotal -Certification                |                    |                 |            | \$963                   |  |  |
| (Subt: Assemb 5.10.15 - 5.10.17)       |                    |                 |            | \$5,224                 |  |  |
|  |                    |                 |            |                         |  |  |
| 5.10 AWTs (o/s east AWT) 5 tnks        | Direct Cost        | Total           | Basic      | \$157,435               |  |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.10 AWTS (o/s east AWT) 5 tnks  |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$157,435                |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$11,020                 | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$6,297                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$9,446                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$3,149                  | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$9,446                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$39,359                 |                   |
|                                  |  |                          |                   |
| Subt: AWTS (o/s eas AWT) 5 Tnks  |  | \$196,794                |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$19,679                 | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (o/s eas AWT) 5 Tnks   |  | \$216,473                |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.11 AWTS (i/s ww trt bldg) 4 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.11.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 4                  | hours           | \$39.00    | \$156                   | 4 tanks @ 0.5 hour/tank = 2.0 hours @ 2 units/crew = 4.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification      |                    |                 |            | <b>\$156</b>            |   |   |
| (Subt: Assemb 5.11.1 - 5.11.1)         |                    |                 |            | <b>\$156</b>            | tanks: T-3004 & T-3005 (sand filters); and T-3007 & T-3008  |   |
| <b>5.11.2 Onsite Aqueous Treatment</b> |                    |                 |            |                         | highly-contaminated wastes; assume pumped directly from tanks into AWTS                                 |   |
| Onsite Aqueous Treatment - Tanks       | 17150              | gals            | \$0.0453   | \$777                   | 17150 gals  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | <b>\$777</b>            |   |   |
| (Subt: Assemb 5.11.2 - 5.11.2)         |                    |                 |            | <b>\$777</b>            | onsite treatment of tanks' waste liquids  |   |
| <b>5.11.3 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 4                  | tnks @          |            |                         | 17150 gallons: 1274 SF Tanks: 35 CF @ 490 Lb/CF = 17341 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 19.1               | hours           | \$39.00    | \$745                   | 1274 SF @ 200 SF/hour 6.4 hours @ 3 units/crew = 19.1 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 12.7               | hours           | \$45.00    | \$572                   | 1274 SF @ 200 SF/hour 6.4 hours @ 2 units/crew = 12.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 6.4                | hours           | \$84.09    | \$538                   | 1274 SF @ 200 SF/hour 6.4 hours @ 1 units/crew = 6.4 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 6.4                | hours           | \$34.40    | \$220                   | 1274 SF @ 200 SF/hour 6.4 hours @ 1 units/crew = 6.4 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 6.4                | hours           | \$2.47     | \$16                    | 1274 SF @ 200 SF/hour 6.4 hours @ 1 units/crew = 6.4 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 6.4                | hours           | \$30.03    | \$192                   | 1274 SF @ 200 SF/hour 6.4 hours @ 1 units/crew = 6.4 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 6.4                | hours           | \$86.31    | \$552                   | 1274 SF @ 200 SF/hour 6.4 hours @ 1 units/crew = 6.4 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 6.4                | hours           | \$5.41     | \$35                    | 1274 SF @ 200 SF/hour 6.4 hours @ 1 units/crew = 6.4 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | <b>\$2,870</b>          | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
| <b>5.11.4 FRP Tank Demolition</b>      |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| No. of Tanks/Capacity/Area/Weight      | 0                  | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0                  | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0                  | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0                  | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0                  | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0                  | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0                  | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0                  | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0                  | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | <b>\$0</b>              | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
| <b>5.11.5 Tank Piping Demolition</b>   |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF               |   |
| Estimated Piping Length                | 400                | LF              |            |                         | 4 tanks @ 100 LF/tank = 400 LF @ 4 Lb/LF = 1600 Lbs   | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 40                 | hours           | \$39.00    | \$1,560                 | 400 LF @ 20 LF/hour 20.0 hours @ 2 units/crew = 40.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 20                 | hours           | \$5.41     | \$108                   | 400 LF @ 20 LF/hour 20.0 hours @ 1 units/crew = 20.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | <b>\$1,668</b>          | in the absence of facility data, piping assumed to average 100 LF/tank                                  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.11 AWTS (i/s ww trt bldg) 4 tnks

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.11.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                  | 4                  | hours           | \$39.00    | \$156                   | 2.0 pumps @ 1 pump/hr 2.0 hours @ 2 units/crew = 4.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 2                  | hours           | \$5.41     | \$11                    | 2.0 pumps @ 1 pump/hr 2.0 hours @ 1 units/crew = 2.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$167</b>            | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
| <b>5.11.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                   | 0.2                | hours           | \$39.00    | \$8                     | 3.2 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.2                | hours           | \$45.00    | \$9                     | 3.2 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 0.2                | hours           | \$30.03    | \$6                     | 3.2 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew = 0.2 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 0.2                | hours           | \$5.20     | \$1                     | 3.2 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew 0.2 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$24</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
| <b>5.11.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| PROCESS TONS (incl kiln dust)             | 10.2               | TONS            |            |                         | 3.2 CY debr + 15% kiln dust = 3.72 CY total total tonnage = 10.2 tons                                  | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 1.4                | hours           | \$39.00    | \$55                    | 10.2 tons @ 15 tons/hr @ 0.7 hours @ 2 units/crew = 1.4 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 2                  | hours           | \$45.00    | \$90                    | 10.2 tons @ 15 tons/hr @ 0.7 hours @ 3 units/crew = 2.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 0.7                | hours           | \$19.18    | \$13                    | 10.2 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours  | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 0.7                | hours           | \$14.39    | \$10                    | 10.2 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours  | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 0.7                | hours           | \$329.70   | \$231                   | 10.2 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 0.7                | hours           | \$136.29   | \$95                    | 10.2 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0                  | tons            | \$0.00     | \$0                     | 0.5 tons   |   |
| Cement Kiln Dust - Delivery Cost          | 0                  | loads           | \$0.00     | \$0                     | 0.5 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 0.5                | tons            | \$48.00    | \$24                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.1                | units           | \$1,000.00 | \$100                   | 3.7 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 0.1                | hours           | \$19.02    | \$2                     | 3.7 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.7 hours/rolloff = 0.1 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$620</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
| <b>5.11.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 385                | miles           | \$3.25     | \$1,251                 | 3.7 CY @ 30 CY/load = 0.1 loads (↑1.0) (385 miles/trip = 385.0 miles                                   | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 3.7                | CY              | \$337.50   | \$1,249                 | 3.7 CY @ 27 CF/CY = 100.5 CF   | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$2,500</b>          |  |   |
| (Subt: Assemb 5.11.3 - 5.11.9)            |                    |                 |            | <b>\$7,849</b>          | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
| <b>5.11.10 Decon SCA (wash)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 13.8               | hours           | \$39.00    | \$538                   | 1454 SF @ 105 SF/hr = 13.8 hours @ 1 pers/crew = 13.8 hours  | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 13.8               | hours           | \$4.04     | \$56                    | 1454 SF @ 105 SF/hr = 13.8 hours @ 1 unit/crew = 13.8 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 13.8               | hours           | \$3.41     | \$47                    | 1454 SF @ 105 SF/hr = 13.8 hours @ 1 unit/crew = 13.8 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$641</b>            |  |   |
| <b>5.11.11 Decon SCA (rinse)</b>          |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 13.8               | hours           | \$39.00    | \$538                   | 1454 SF @ 105 SF/hr = 13.8 hours @ 1 pers/crew = 13.8 hours  | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 13.8               | hours           | \$4.04     | \$56                    | 1454 SF @ 105 SF/hr = 13.8 hours @ 1 unit/crew = 13.8 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 13.8               | hours           | \$3.41     | \$47                    | 1454 SF @ 105 SF/hr = 13.8 hours @ 1 unit/crew = 13.8 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (rinse)                  |                    |                 |            | <b>\$641</b>            |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.11 AWTS (i/s ww trt bldg) 4 tnks

| Basic Closure Activities: Direct Costs      | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.11.12 Decon Water Samp/Disp</b>        |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                                  | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                                     | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                      | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                      | 727                | gallons         | \$0.0313   | \$23                    | 1454 SF @ 0.5 gal/sf/wa = 727 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose             |                    |                 |            | \$180                   |  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.11.13 PCB Wipe Samples</b>             |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                                   |   |
| Technician                                  | 2.3                | hours           | \$38.00    | \$87                    | 2.3 samp @ 0.5 hr/samp = 1.15 hours @ 2 pers/crew = 2.3 hours                                    | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)                | 0                  | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)                 | 2.3                | samp            | \$83.33    | \$192                   | 1454 SF @ 625 SF/samp = 2.3 samples  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp               |                    |                 |            | \$279                   |  |   |
| (Subt: Assemb 5.11.10 - 5.11.13)            |                    |                 |            | \$1,741                 | decontamination & sampling of SCA  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.11.14 Offsite T&amp;D - PCB Solids</b> |                    |                 |            |                         | 12,000 Lbs of PCB Solids from T-3004 & T-3005 (sand filters)                                     |   |
| Transportation                              | 1529.0             | miles           | \$3.25     | \$4,969                 | 6 tons @ 15 tons/load = 0.4 loads (↑1.0)€ 1529 miles/load = 1529.0 miles                         | Rate: transporters quote/site experience                      |
| Disposal via incineration                   | 12000              | Lb              | \$0.64     | \$7,680                 | 12000 Lbs  | Current CWM 2011 third party rate                             |
| Subt - Offsite T&D - PCB Solids             |                    |                 |            | \$12,649                |  |   |
| (Subt: Assemb 5.11.14 - 5.11.14)            |                    |                 |            | \$12,649                | offsite T&D of PCB solids  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.11.15 Offsite tran/regen - Carbon</b>  |                    |                 |            |                         | 26666.6 Lbs of spent carbon from T-3007 & T-3008   |   |
| Offsite Transportation - Carbon             | 0                  | miles           | \$3.50     | \$0                     | 20 tons @ 15 tons/load = 1.3 loads @ 232.0 miles/load = 0.0 miles                                | Included in regeneration cost                                 |
| Offsite Regeneration - Carbon               | 26666.6            | Lb              | \$0.37     | \$9,867                 | 26666.6 Lbs  | Current third party rate (Seimans)                            |
| Subt - Offsite Tran/Regen - Carbon          |                    |                 |            | \$9,867                 |  |   |
| (Subt: Assemb 5.11.15 - 5.11.15)            |                    |                 |            | \$9,867                 | offsite regeneration of spent carbon   |   |
|   |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours                 | 114.6              |                 |            |                         |  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.11.16 PPE Usage/H&amp;S Planning</b>   |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                         | 0                  | days            | \$0.00     | \$0                     | 114.6 hours @ 8 hr/day = 14.3 days @ 0% "D" days = 0.0 days                                      | Standard Work Clothes - Site Experience                       |
| PPE Usage - Mod Level C                     | 3.6                | days            | \$9.00     | \$32                    | 114.6 hours @ 8 hr/day = 14.3 days @ 25% "Mod C" days = 3.6 days                                 | 25% of non-supv hrs in Mod Level C (price: \$9/day)           |
| PPE Usage - Level C                         | 10.7               | days            | \$25.00    | \$268                   | 114.6 hours @ 8 hr/day = 14.3 days @ 75% "C" days = 10.7 days                                    | 75% of non-supv hrs in Level C (price: \$25/day)              |
| Safety Engineer                             | 2.9                | hours           | \$75.00    | \$218                   | 114.6 hours @ 2.5% hr/hr = 2.9 hours   | Safety Eng Rate: rate 2011 3rd party quote                    |
| Subt - PPE Usage/H&S Planning               |                    |                 |            | \$517                   |  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.11.17 Supervision</b>                  |                    |                 |            |                         | 0.5 week for closure of 4 tanks  |   |
| Foreman                                     | 20                 | hours           | \$65.00    | \$1,300                 | 0.5 week @ 40 hrs/wk = 20.0 hours  | Outside foreman rate: 2011 3rd party quote                    |
| Site Project Manager                        | 0                  | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote                       |
| Subtotal - Supervision                      |                    |                 |            | \$1,300                 |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.11 AWTS (i/s ww trt bldg) 4 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References         |
|--|--------------------|-----------------|------------|-------------------------|--|-------------------------------------|
| 5.11.18 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |                                     |
| Engineer                               | 1.7                | hours           | \$130.00   | \$221                   | 114.6 hours @ 0.015 hr/hr = 1.7 hours  | Engineer rate: 2011 3rd party quote |
| Clerical                               | 1.7                | hours           | \$45.00    | \$77                    | 114.6 hours @ 0.015 hr/hr = 1.7 hours  | Clerical rate: 2011 3rd party quote |
| Subtotal -Certification                |                    |                 |            | \$298                   |  |                                     |
| (Subt: Assemb 5.11.16 - 5.11.18)       |                    |                 |            | \$2,115                 |  |                                     |

|                                    |             |       |       |          |
|------------------------------------|-------------|-------|-------|----------|
| 5.11 AWTS (i/s ww trt bldg) 4 tnks | Direct Cost | Total | Basic | \$35,154 |
|------------------------------------|-------------|-------|-------|----------|



Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                    |                  |                    |                   |
|------------------------------------|------------------|--------------------|-------------------|
| 5.11 AWTS (i/s ww trt bldg) 4 tnks |                  |                    |                   |
| Total Cost Summary                 |                  |                    |                   |
|                                    |                  |                    |                   |
| Cost Category                      | Proposed Percent | Proposed 2011 Cost | Cost Range        |
|                                    | of Direct Cost   |                    |                   |
| Direct Costs/Basic Disposal        |                  | \$35,154           |                   |
|                                    |                  |                    |                   |
| Plus Indirect Costs/Profit:        |                  |                    |                   |
| Site Activity Management Costs     | 7.00%            | \$2,461            | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office   | 4.00%            | \$1,406            | note: DEC uses 4% |
| Pre-Construction Design Costs      | 6.00%            | \$2,109            | note: DEC uses 6% |
| Engineering During Construction    | 2.00%            | \$703              | note: DEC uses 2% |
| General Contractor Profit          | 6.00%            | \$2,109            | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal      | 25.00%           | \$8,788            |                   |
|                                    |                  |                    |                   |
| Subt: AWTS (i/s ww trt bl) 4 Tnks  |                  | \$43,942           |                   |
|                                    |                  |                    |                   |
| Plus Contingency                   | 10.00%           | \$4,394            | CWM and DEC 10%   |
|                                    |                  |                    |                   |
| Tot: AWTS (i/s ww trt bld) 4 Tnks  |                  | \$48,336           |                   |
|                                    |                  |                    |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.12 AWTS (o/s sou wwtrt bl) 1 tk

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|---|---|
|   |                    |                 |            |                         |   |   |
| <b>5.12.1 Inventory Verification</b>      |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                   | 1                  | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification         |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.12.1 - 5.12.1)            |                    |                 |            | \$39                    | tank: T-52  |   |
|   |                    |                 |            |                         |   |   |
| <b>5.12.2 Offsite tran/regen - Carbon</b> |                    |                 |            |                         | 13,333.3 Lbs of spent carbon stored in T-52   |   |
| Offsite Transportation - Carbon           | 0                  | miles           | \$3.50     | \$0                     | 10 tons @ 15 tons/load = 0.67 loads @ 0 miles/load = 0 miles  | Included in regeneration cost                             |
| Offsite Regeneration - Carbon             | 13333.3            | Lb              | \$0.37     | \$4,933                 | 13333.3 Lbs   | Current third party rate (Seimans)                        |
| Subt - Offsite Tran/Regen - Carbon        |                    |                 |            | \$4,933                 |   |   |
| (Subt: Assemb 5.12.2 - 5.12.2)            |                    |                 |            | \$4,933                 | offsite regeneration of spent carbon  |   |
|   |                    |                 |            |                         |   |   |
| <b>5.12.3 Steel Tank Demolition</b>       |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| <i>No. of Tanks/Capacity/Area/Weight</i>  | 1                  | <i>tnks @</i>   |            |                         | <i>7600 gallons: 503 SF Tanks: 14 CF @ 490 Lb/CF = 6846 Lbs</i>   | <i>Steel Tanks only; estimate 490#/CF</i>                 |
| Laborer                                   | 7.5                | hours           | \$39.00    | \$293                   | 503 SF @ 200 SF/hour 2.5 hours @ 3 units/crew = 7.5 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)               | 5                  | hours           | \$45.00    | \$225                   | 503 SF @ 200 SF/hour 2.5 hours @ 2 units/crew = 5.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                 | 2.5                | hours           | \$84.09    | \$210                   | 503 SF @ 200 SF/hour 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                   | 2.5                | hours           | \$34.40    | \$86                    | 503 SF @ 200 SF/hour 2.5 hours @ 1 units/crew = 2.5 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                           | 2.5                | hours           | \$2.47     | \$6                     | 503 SF @ 200 SF/hour 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                    | 2.5                | hours           | \$30.03    | \$75                    | 503 SF @ 200 SF/hour 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                                | 2.5                | hours           | \$86.31    | \$216                   | 503 SF @ 200 SF/hour 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                         | 2.5                | hours           | \$5.41     | \$14                    | 503 SF @ 200 SF/hour 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition              |                    |                 |            | \$1,124                 | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|   |                    |                 |            |                         |   |   |
| <b>5.12.4 FRP Tank Demolition</b>         |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| <i>No. of Tanks/Capacity/Area/Weight</i>  | 0                  | <i>tnks @</i>   |            |                         | <i>0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs</i>  | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                   | 0                  | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)               | 0                  | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                 | 0                  | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                   | 0                  | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                           | 0                  | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                    | 0                  | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                                | 0                  | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                         | 0                  | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition                |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|   |                    |                 |            |                         |   |   |
| <b>5.12.5 Tank Piping Demolition</b>      |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF               |   |
| <i>Estimated Piping Length</i>            | 100                | <i>LF</i>       |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>   | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                  | 10                 | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 5                  | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition       |                    |                 |            | \$417                   | in the absence of facility data, piping assumed to average 100 LF/tank                                  |   |
|   |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

**5.12 AWTS (o/s sou wwtrt bl) 1 tk**

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.12.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                  | 1                  | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
| <b>5.12.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                   | 0.1                | hours           | \$39.00    | \$4                     | 1.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.1                | hours           | \$45.00    | \$5                     | 1.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 0.1                | hours           | \$30.03    | \$3                     | 1.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 0.1                | hours           | \$5.20     | \$1                     | 1.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$12</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
| <b>5.12.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 3.8                | TONS            |            |                         | 1.0 CY depr + 15% kiln dust = 1.15 CY total total tonnage = 3.8 tons                                   | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 0.5                | hours           | \$39.00    | \$20                    | 3.8 tons @ 15 tons/hr @ 0.3 hours @ 2 units/crew = 0.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.8                | hours           | \$45.00    | \$36                    | 3.8 tons @ 15 tons/hr @ 0.3 hours @ 3 units/crew = 0.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 0.3                | hours           | \$19.18    | \$6                     | 3.8 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 0.3                | hours           | \$14.39    | \$4                     | 3.8 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 0.3                | hours           | \$329.70   | \$99                    | 3.8 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 0.3                | hours           | \$136.29   | \$41                    | 3.8 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             |                    | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost          |                    | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0                  | units           | \$1,000.00 | \$0                     | 1.1 CYs @ 30 CY/unit = 0.0 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 0                  | hours           | \$19.02    | \$0                     | 1.1 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.3 hours/rolloff = 0.0 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$210</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
| <b>5.12.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 385                | miles           | \$3.25     | \$1,251                 | 1.1 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 385 miles   | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 1.1                | CY              | \$337.50   | \$371                   | 1.1 CY @ 27 CF/CY = 31.0 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$1,623</b>          |  |   |
| <i>(Subt: Assemb 5.12.3 - 5.12.9)</i>     |                    |                 |            | <b>\$3,428</b>          | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
| <b>5.12.10 Decon SCA (wash)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 5.8                | hours           | \$39.00    | \$226                   | 612 SF @ 105 SF/hr = 5.8 hours @ 1 pers/crew = 5.8 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 5.8                | hours           | \$4.04     | \$23                    | 612 SF @ 105 SF/hr = 5.8 hours @ 1 unit/crew = 5.8 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 5.8                | hours           | \$3.41     | \$20                    | 612 SF @ 105 SF/hr = 5.8 hours @ 1 unit/crew = 5.8 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$269</b>            |  |   |
| <b>5.12.11 Decon SCA (rinse)</b>          |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 5.8                | hours           | \$39.00    | \$226                   | 612 SF @ 105 SF/hr = 5.8 hours @ 1 pers/crew = 5.8 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 5.8                | hours           | \$4.04     | \$23                    | 612 SF @ 105 SF/hr = 5.8 hours @ 1 unit/crew = 5.8 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 5.8                | hours           | \$3.41     | \$20                    | 612 SF @ 105 SF/hr = 5.8 hours @ 1 unit/crew = 5.8 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (rinse)                  |                    |                 |            | <b>\$269</b>            |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.12 AWTS (o/s sou wwtrt bl) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                  |     |       |          |       |  |   |
|----------------------------------|-----|-------|----------|-------|--|---|
| 5.12.12 Decon Water Samp/Disp    |     |       |          |       | production rate = 0.5 hours/sample for two techs               |   |
| Technician                       | 1.1 | hours | \$38.00  | \$42  | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)           | 1.1 | samp  | \$105.00 | \$116 | 1.0 areas @ 1.1 samp/area = 1.1 samples                        | analytical price: average of three quotes                     |
| On-site Water Disposal           | 306 | gal   | \$0.0313 | \$10  | 612 SF @ 0.5 gal/sf/wa = 306 gallons                           | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose  |     |       |          | \$167 |  |   |
| 5.12.13 PCB Wipe Samples         |     |       |          |       | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                       | 1   | hours | \$38.00  | \$38  | 1.0 samp @ 0.5 hr/samp = 0.5 hours @ 2 pers/crew = 1.0 hours   | technician rate 2011 3rd party quote                          |
| TCLP (Metals?VOCs/Semi-VOCs)     | 0   | samp  | \$446.67 | \$0   |  | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)      | 1   | samp  | \$83.33  | \$83  | 612 SF @ 625 SF/samp = 1.0 samples                             | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp    |     |       |          | \$121 |  |   |
| (Subt: Assemb 5.12.10 - 5.12.13) |     |       |          | \$827 | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 39.7

|                                  |     |       |          |       |  |   |
|----------------------------------|-----|-------|----------|-------|--|---|
| 5.12.14 PPE Usage/H&S Planning   |     |       |          |       | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0   | days  | \$0.00   | \$0   | 51.5 hours @ 8 hr/day = 6.4 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 1.6 | days  | \$9.00   | \$14  | 51.5 hours @ 8 hr/day = 6.4 days @ 25% "Mod C" days = 1.6 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 4.8 | days  | \$25.00  | \$120 | 51.5 hours @ 8 hr/day = 6.4 days @ 75% "C" days = 4.8 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 1.3 | hours | \$75.00  | \$98  | 51.5 hours @ 2.5% hr/hr = 1.3 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$232 |  |   |
| 5.12.15 Supervision              |     |       |          |       | 0.2 week for closure of 1 tanks  |   |
| Foreman                          | 8   | hours | \$65.00  | \$520 | 0.2 week @ 40 hrs/wk = 8.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0   | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$520 |  |   |
| 5.12.16 Certification            |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 0.8 | hours | \$130.00 | \$104 | 51.5 hours @ 0.015 hr/hr = 0.8 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 0.8 | hours | \$45.00  | \$36  | 51.5 hours @ 0.015 hr/hr = 0.8 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |     |       |          | \$140 |  |   |
| (Subt: Assemb 5.12.14 - 5.12.16) |     |       |          | \$892 |  |   |

|                                   |             |       |       |          |
|-----------------------------------|-------------|-------|-------|----------|
| 5.12 AWTS (o/s sou wwtrt bl) 1 tk | Direct Cost | Total | Basic | \$10,119 |
|-----------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.12 AWTS (o/s sou wwtrt bl) 1 tk |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary                |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$10,119                 |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$708                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$405                    | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$607                    | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$202                    | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$607                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$2,530                  |                   |
|                                   |  |                          |                   |
| Subt: AWTS (o/s eas ww tr) 4 tks  |  | \$12,649                 |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$1,265                  | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (o/s eas ww tr) 4 tnks  |  | \$13,913                 |                   |
|                                   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.13 AWTS (o/s east ww trt) 4 tks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.13.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required             |   |
| Laborer                                | 4                  | hours           | \$39.00    | \$156                   | 4 tanks @ 0.5 hour/tank = 2.0 hours @ 2 units/crew = 4.0 hours                                      | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$156                   |   |   |
| (Subt: Assemb 5.13.1 - 5.13.1)         |                    |                 |            | \$156                   | tanks: T-3001, T-3002, T-3003, and T-3009   |   |
|  |                    |                 |            |                         |   |   |
| 5.13.2 Onsite Aqueous Treatment        |                    |                 |            |                         | highly-contaminated liquid waste; assume pumped directly from tanks into AWTS                       |   |
| Onsite Aqueous Treatment - Tanks       | 9365               | gals            | \$0.0452   | \$423                   | 9365 gals   | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$423                   |   |   |
| (Subt: Assemb 5.13.2 - 5.13.2)         |                    |                 |            | \$423                   | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.13.3 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr; 1 CF debris per 36 sf tank area  |   |
| No. of Tanks/Capacity/Area/Weight      | 1                  | tnks @          |            |                         | 6000 gallons: 1006 SF Tanks: 28 CF @ 490 Lb/CF = 13693 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 15.1               | hours           | \$39.00    | \$589                   | 1006 SF @ 200 SF/hour 5.0 hours @ 3 units/crew = 15.1 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 10.1               | hours           | \$45.00    | \$455                   | 1006 SF @ 200 SF/hour 5.0 hours @ 2 units/crew = 10.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 5                  | hours           | \$84.09    | \$420                   | 1006 SF @ 200 SF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 5                  | hours           | \$34.40    | \$172                   | 1006 SF @ 200 SF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 5                  | hours           | \$2.47     | \$12                    | 1006 SF @ 200 SF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 5                  | hours           | \$30.03    | \$150                   | 1006 SF @ 200 SF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 5                  | hours           | \$86.31    | \$432                   | 1006 SF @ 200 SF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 5                  | hours           | \$5.41     | \$27                    | 1006 SF @ 200 SF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$2,257                 | tank areas based u  |   |
|  |                    |                 |            |                         |   |   |
| 5.13.4 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 3                  | tnks @          |            |                         | 3365 gallons: 440 SF Tanks: 12 CF @ 245 Lb/CF = 2994 Lbs  | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 6.6                | hours           | \$39.00    | \$257                   | 440 SF @ 200 SF/hour 2.2 hours @ 3 units/crew = 6.6 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 4.4                | hours           | \$45.00    | \$198                   | 440 SF @ 200 SF/hour 2.2 hours @ 2 units/crew = 4.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 2.2                | hours           | \$84.09    | \$185                   | 440 SF @ 200 SF/hour 2.2 hours @ 1 units/crew = 2.2 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 2.2                | hours           | \$34.40    | \$76                    | 440 SF @ 200 SF/hour 2.2 hours @ 1 units/crew = 2.2 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 2.2                | hours           | \$2.47     | \$5                     | 440 SF @ 200 SF/hour 2.2 hours @ 1 units/crew = 2.2 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 2.2                | hours           | \$30.03    | \$66                    | 440 SF @ 200 SF/hour 2.2 hours @ 1 units/crew = 2.2 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 2.2                | hours           | \$86.31    | \$190                   | 440 SF @ 200 SF/hour 2.2 hours @ 1 units/crew = 2.2 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0                  | hours           | \$5.41     | \$0                     | 440 SF @ 200 SF/hour 2.2 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$977                   | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
|  |                    |                 |            |                         |   |   |
| 5.13.5 Tank Piping Demolition          |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF           |   |
| Estimated Piping Length                | 400                | LF              |            |                         | 4 tanks @ 100 LF/tank = 400 LF @ 4 Lb/LF = 1600 Lbs   | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 40                 | hours           | \$39.00    | \$1,560                 | 400 LF @ 20 LF/hour 20.0 hours @ 2 units/crew = 40.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 20                 | hours           | \$5.41     | \$108                   | 400 LF @ 20 LF/hour 20.0 hours @ 1 units/crew = 20.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$1,668                 | in the absence of f   |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.13 AWTS (o/s east ww trt) 4 tks

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.13.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr assume 0.5 pumps/tank  |   |
| Laborers                                  | 4                  | hours           | \$39.00    | \$156                   | 2.0 pumps @ 1 pump/hr 2.0 hours @ 2 units/crew = 4.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 2                  | hours           | \$5.41     | \$11                    | 2.0 pumps @ 1 pump/hr 2.0 hours @ 1 units/crew = 2.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$167</b>            | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|   |                    |                 |            |                         |  |   |
| <b>5.13.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour;  |   |
| Laborer                                   | 0.2                | hours           | \$39.00    | \$8                     | 3.4 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.2                | hours           | \$45.00    | \$9                     | 3.4 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 0.2                | hours           | \$30.03    | \$6                     | 3.4 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew = 0.2 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 0.2                | hours           | \$5.20     | \$1                     | 3.4 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew 0.2 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$24</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.13.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 9.9                | TONS            |            |                         | 3.4 CY debr + 15% kiln dust = 3.93 CY total total tonnage = 9.9 tons                                   | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 1.3                | hours           | \$39.00    | \$51                    | 9.9 tons @ 15 tons/hr @ 0.7 hours @ 2 units/crew = 1.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 2                  | hours           | \$45.00    | \$90                    | 9.9 tons @ 15 tons/hr @ 0.7 hours @ 3 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 0.7                | hours           | \$19.18    | \$13                    | 9.9 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 0.7                | hours           | \$14.39    | \$10                    | 9.9 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 0.7                | hours           | \$329.70   | \$231                   | 9.9 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 0.7                | hours           | \$136.29   | \$95                    | 9.9 tons @ 15 tons/hr @ 0.7 hours @ 1 units/crew = 0.7 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             |                    | tons            | \$0.00     | \$0                     | 0.5 tons   |   |
| Cement Kiln Dust - Delivery Cost          |                    | loads           | \$0.00     | \$0                     | 0.5 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 0.5                | tons            | \$48.00    | \$24                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.1                | units           | \$1,000.00 | \$100                   | 3.9 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 0.1                | hours           | \$19.02    | \$2                     | 3.9 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.7 hours/rolloff = 0.1 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$616</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.13.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 385                | miles           | \$3.25     | \$1,251                 | 3.9 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 385 miles   | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 3.9                | CY              | \$337.50   | \$1,316                 | 3.9 CY @ 27 CF/CY = 106.0 CF   | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$2,568</b>          |  |   |
| <i>(Subt: Assemb 5.13.3 - 5.13.9)</i>     |                    |                 |            | <b>\$8,277</b>          | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.13.10 Decon SCA (wash)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 3.9                | hours           | \$39.00    | \$152                   | 411 SF @ 105 SF/hr = 3.9 hours @ 1 pers/crew = 3.9 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 3.9                | hours           | \$4.04     | \$16                    | 411 SF @ 105 SF/hr = 3.9 hours @ 1 unit/crew = 3.9 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 3.9                | hours           | \$3.41     | \$13                    | 411 SF @ 105 SF/hr = 3.9 hours @ 1 unit/crew = 3.9 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$181</b>            |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.13 AWTS (o/s east ww trt) 4 tks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                            | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.13.11 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                                | 3.9                | hours           | \$39.00    | \$152                   | 411 SF @ 105 SF/hr = 3.9 hours @ 1 pers/crew = 3.9 hours                            | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 3.9                | hours           | \$4.04     | \$16                    | 411 SF @ 105 SF/hr = 3.9 hours @ 1 unit/crew = 3.9 hours                            | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 3.9                | hours           | \$3.41     | \$13                    | 411 SF @ 105 SF/hr = 3.9 hours @ 1 unit/crew = 3.9 hours                            | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$181                   |   |   |
|  |                    |                 |            |                         |   |   |
| 5.13.12 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs                                    |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                        | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 205.5              | gal             | \$0.0313   | \$6                     | 411 SF @ 0.5 gal/sf/wa = 205.5 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$164                   |   |   |
|  |                    |                 |            |                         |   |   |
| 5.13.13 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                      |   |
| Technician                             | 0.7                | hours           | \$38.00    | \$27                    | 0.7 samp @ 0.5 hr/samp = 0.35 hours @ 2 pers/crew = 0.7 hours                       | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0                  | samp            | \$446.67   | \$0                     |   | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 0.7                | samp            | \$83.33    | \$58                    | 411 SF @ 625 SF/samp = 0.7 samples  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$85                    |   |   |
| (Subt: Assemb 5.13.10 - 5.13.13)       |                    |                 |            | \$611                   | decontamination & sampling of SCA   |   |

Total Non-Super Labor Hours 97.5

|                                  |     |       |          |         |  |   |
|----------------------------------|-----|-------|----------|---------|--|---|
| 5.13.14 PPE Usage/H&S Planning   |     |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0   | days  | \$0.00   | \$0     | 97.5 hours @ 8 hr/day = 12.2 days @ 0% "D" days = 0.0 days                                       | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 3   | days  | \$9.00   | \$27    | 97.5 hours @ 8 hr/day = 12.2 days @ 25% "Mod C" days = 3.0 days                                  | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 9.2 | days  | \$25.00  | \$230   | 97.5 hours @ 8 hr/day = 12.2 days @ 75% "C" days = 9.2 days                                      | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 2.4 | hours | \$75.00  | \$180   | 97.5 hours @ 2.5% hr/hr = 2.4 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$437   |  |   |
|                                  |     |       |          |         |  |   |
| 5.13.15 Supervision              |     |       |          |         | 0.4 week for closure of 4 tanks  |   |
| Foreman                          | 16  | hours | \$65.00  | \$1,040 | 0.4 week @ 40 hrs/wk = 16.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0   | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$1,040 |  |   |
|                                  |     |       |          |         |  |   |
| 5.13.16 Certification            |     |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 1.5 | hours | \$130.00 | \$195   | 97.5 hours @ 0.015 hr/hr = 1.5 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 1.5 | hours | \$45.00  | \$68    | 97.5 hours @ 0.015 hr/hr = 1.5 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |     |       |          | \$263   |  |   |
| (Subt: Assemb 5.13.14 - 5.13.16) |     |       |          | \$1,740 |  |   |

|                                   |             |       |       |          |
|-----------------------------------|-------------|-------|-------|----------|
| 5.13 AWTS (o/s east ww trt) 4 tks | Direct Cost | Total | Basic | \$11,207 |
|-----------------------------------|-------------|-------|-------|----------|



Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                   |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| 5.13 AWTS (o/s east ww trt) 4 tks |  |                          |                   |
| Total Cost Summary - Basic Opt.   |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$11,207                 |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$784                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$448                    | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$672                    | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$224                    | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$672                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$2,802                  |                   |
|                                   |  |                          |                   |
| Subt: AWTS (o/s eas ww tr) 4 tks  |  | \$14,009                 |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$1,401                  | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (o/s eas ww tr) 4 tnks  |  | \$15,409                 |                   |
|                                   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.14 AWTS (nor SLF 1 - 6) 2 tanks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.14.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification      |                    |                 |            | \$78                    |   |   |
| (Subt: Assemb 5.14.1 - 5.14.1)         |                    |                 |            | \$78                    | tanks: T-105 and T-130  |   |
|  |                    |                 |            |                         |   |   |
| 5.14.2 Empty Tanks T-105 & T-130       |                    |                 |            |                         | production rate = 1,650 gals/hr;  |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 5.3                | hours           | \$6.31     | \$33                    | 8732 gals @ 1650 gals/hr = 5.3 hours @ 1 unit/crew = 5.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanks into Trailer        |                    |                 |            | \$33                    |   |   |
|  |                    |                 |            |                         |   |   |
| 5.14.3 Transport Tanker(s) Onsite      |                    |                 |            |                         | production rate = 0.5 hours for onsite transport  |   |
| Road Tractor (4 x 2, 30-ton)           | 0.8                | hours           | \$32.45    | \$26                    | 8732 gals @ 5500 gals/load = 1.6 loads @ 0.5 hrs/trip = 0.8 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.8                | hours           | \$6.31     | \$5                     | 8732 gals @ 5500 gals/load = 1.6 hours @ 0.5 hrs/trip = 0.8 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Transport Tanker(s) Onsite      |                    |                 |            | \$31                    |   |   |
|  |                    |                 |            |                         |   |   |
| 5.14.4 Empty Tanker(s)                 |                    |                 |            |                         | production rate = 1,650 gals/hr;  |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 5.3                | hours           | \$6.31     | \$33                    | 8732 gals @ 1650 gals/hr = 5.3 hours @ 1 unit/crew = 5.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker(s)                 |                    |                 |            | \$33                    |   |   |
| (Subt: Assemb 5.14.2 - 5.14.4)         |                    |                 |            | \$98                    | empty and transport onsite contents from tanks T-105 and T-130  |   |
|  |                    |                 |            |                         |   |   |
| 5.14.5 Onsite Aqueous Treatment        |                    |                 |            |                         | highly-contaminated liquid wastes.  |   |
| Onsite Aqueous Treatment - Tanks       | 8732.0             | gals            | \$1.8244   | \$15,931                | 8732 gals   | AWTS treatment of SLF 1-6 leachate                        |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$15,931                |   |   |
| (Subt: Assemb 5.14.5 - 5.14.5)         |                    |                 |            | \$15,931                | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.14.6 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 2.0                | tnks @          |            |                         | 8732 gallons: 748 SF Tanks: 21 CF @ 490 Lb/CF = 10181 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 11.2               | hours           | \$39.00    | \$437                   | 748 SF @ 200 SF/hour 3.7 hours @ 3 units/crew = 11.2 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 7.5                | hours           | \$45.00    | \$338                   | 748 SF @ 200 SF/hour 3.7 hours @ 2 units/crew = 7.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 3.7                | hours           | \$84.09    | \$311                   | 748 SF @ 200 SF/hour 3.7 hours @ 1 units/crew = 3.7 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 3.7                | hours           | \$34.40    | \$127                   | 748 SF @ 200 SF/hour 3.7 hours @ 1 units/crew = 3.7 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 3.7                | hours           | \$2.47     | \$9                     | 748 SF @ 200 SF/hour 3.7 hours @ 1 units/crew = 3.7 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 3.7                | hours           | \$30.03    | \$111                   | 748 SF @ 200 SF/hour 3.7 hours @ 1 units/crew = 3.7 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 3.7                | hours           | \$86.31    | \$319                   | 748 SF @ 200 SF/hour 3.7 hours @ 1 units/crew = 3.7 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 3.7                | hours           | \$5.41     | \$20                    | 748 SF @ 200 SF/hour 3.7 hours @ 1 units/crew = 3.7 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           | 748.0              | SF @            |            | \$1,672                 | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.14 AWTS (nor SLF 1 - 6) 2 tanks

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.14.7 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 0.0                | <i>tnks @</i>   |            |                         | <i>0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs</i>   | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | \$0                     | <i>tank areas based u</i>  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.14.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 200.0              | <i>LF</i>       |            |                         | <i>2 tanks @ 100 LF/tank = 200 LF @ 4 Lb/LF = 800 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 20.0               | hours           | \$39.00    | \$780                   | 200 LF @ 20 LF/hour 10.0 hours @ 2 units/crew = 20.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 10.0               | hours           | \$5.41     | \$54                    | 200 LF @ 20 LF/hour 10.0 hours @ 1 units/crew = 10.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | \$834                   | <i>in the absence of f</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.14.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | \$83                    | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.14.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.1                | hours           | \$39.00    | \$4                     | 1.7 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.1                | hours           | \$45.00    | \$5                     | 1.7 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.1                | hours           | \$30.03    | \$3                     | 1.7 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.1                | hours           | \$5.20     | \$1                     | 1.7 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | \$12                    | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.14 AWTS (nor SLF 1 - 6) 2 tanks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.14.11 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 5.9                | TONS            |            |                         | 1.7 CY debr + 15% kiln dust = 1.99 CY total total tonnage = 5.9 tons                                 | total tons derived from foregoing assemblies + kiln dust      |
| Laborer                                | 0.8                | hours           | \$39.00    | \$31                    | 5.9 tons @ 15 tons/hr @ 0.4 hours @ 2 units/crew = 0.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)            | 1.2                | hours           | \$45.00    | \$54                    | 5.9 tons @ 15 tons/hr @ 0.4 hours @ 3 units/crew = 1.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)                         | 0.4                | hours           | \$19.18    | \$8                     | 5.9 tons @ 15 tons/hr @ 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)                   | 0.4                | hours           | \$14.39    | \$6                     | 5.9 tons @ 15 tons/hr @ 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder                               | 0.4                | hours           | \$329.70   | \$132                   | 5.9 tons @ 15 tons/hr @ 0.4 hours @ 1 units/crew = 0.4 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo              | 0.4                | hours           | \$136.29   | \$55                    | 5.9 tons @ 15 tons/hr @ 0.4 hours @ 1 units/crew = 0.4 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost          |                    | tons            | \$0.00     | \$0                     | 0.3 tons   |   |
| Cement Kiln Dust - Delivery Cost       |                    | loads           | \$0.00     | \$0                     | 0.3 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.3                | tons            | \$48.00    | \$14                    |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)       | 0.1                | units           | \$1,000.00 | \$100                   | 2.0 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                       | 0.0                | hours           | \$19.02    | \$0                     | 2.0 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.4 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate           |                    |                 |            | \$399                   | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| 5.14.12 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 385.0              | miles           | \$3.25     | \$1,251                 | 2.0 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 385 miles   | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris         | 2.0                | CF              | \$337.50   | \$675                   | 2.0 CY @ 27 CF/CY = 53.8 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$1,926                 |  |   |
| (Subt: Assemb 5.14.6 - 5.14.12)        |                    |                 |            | \$4,927                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
|  |                    |                 |            |                         |  |   |
| 5.14.13 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 11.9               | hours           | \$39.00    | \$464                   | 1254 SF @ 105 SF/hr = 11.9 hours @ 1 pers/crew = 11.9 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 11.9               | hours           | \$4.04     | \$48                    | 1254 SF @ 105 SF/hr = 11.9 hours @ 1 unit/crew = 11.9 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 11.9               | hours           | \$3.41     | \$41                    | 1254 SF @ 105 SF/hr = 11.9 hours @ 1 unit/crew = 11.9 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$553                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.14.14 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 11.9               | hours           | \$39.00    | \$464                   | 1254 SF @ 105 SF/hr = 11.9 hours @ 1 pers/crew = 11.9 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 11.9               | hours           | \$4.04     | \$48                    | 1254 SF @ 105 SF/hr = 11.9 hours @ 1 unit/crew = 11.9 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 11.9               | hours           | \$3.41     | \$41                    | 1254 SF @ 105 SF/hr = 11.9 hours @ 1 unit/crew = 11.9 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$553                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.14.15 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 627.0              | gal             | \$0.0313   | \$20                    | 1254 SF @ 2.4 gal/sf/wa = 627 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$177                   |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.14 AWTS (nor SLF 1 - 6) 2 tanks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate       | In-house Pricing References               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.14.16 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                             | 2.0                | hours           | \$38.00    | \$76                    | 2.0 samp @ 0.5 hr/samp = 1.0 hours @ 2 pers/crew = 2.0 hours   | technician rate 2011 3rd party quote      |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes |
| PCB Analysis (SW 8081/8082)            | 2.0                | samp            | \$83.33    | \$167                   | 1254 SF @ 625 SF/samp = 2.0 samples                            | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$243                   |  |   |
| (Subt: Assemb 5.14.13 - 5.14.16)       |                    |                 |            | \$1,525                 | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 71.8

|                                  |     |       |          |         |  |   |
|----------------------------------|-----|-------|----------|---------|--|---|
| 5.14.17 PPE Usage/H&S Planning   |     |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0 | days  | \$0.00   | \$0     | 71.8 hours @ 8 hr/day = 9.0 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 2.2 | days  | \$9.00   | \$20    | 71.8 hours @ 8 hr/day = 9.0 days @ 25% "D" days = 2.2 days                                       | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 6.8 | days  | \$25.00  | \$170   | 71.8 hours @ 8 hr/day = 9.0 days @ 75% "C" days = 6.8 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 1.8 | hours | \$75.00  | \$135   | 71.8 hours @ 2.5% hr/hr = 1.8 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$325   |  |   |
|                                  |     |       |          |         |  |   |
| 5.14.18 Supervision              |     |       |          |         | 0.2 week for closure of 2 tanks  |   |
| Foreman                          | 8.0 | hours | \$65.00  | \$520   | 0.2 week @ 40 hrs/wk = 8.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager             | 0.0 | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$520   |  |   |
|                                  |     |       |          |         |  |   |
| 5.14.19 Certification            |     |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 1.1 | hours | \$130.00 | \$143   | 71.8 hours @ 0.015 hr/hr = 1.1 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 1.1 | hours | \$45.00  | \$50    | 71.8 hours @ 0.015 hr/hr = 1.1 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |     |       |          | \$193   |  |   |
| (Subt: Assemb 5.14.17 - 5.14.19) |     |       |          | \$1,037 |  |   |

|                                   |             |       |       |          |
|-----------------------------------|-------------|-------|-------|----------|
| 5.14 AWTS (nor SLF 1 - 6) 2 tanks | Direct Cost | Total | Basic | \$23,596 |
|-----------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                   |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| 5.14 AWTS (nor SLF 1 - 6) 2 tanks |  |                          |                   |
| Total Cost Summary                |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$23,596                 |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$1,652                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$944                    | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$1,416                  | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$472                    | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$1,416                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$5,899                  |                   |
|                                   |  |                          |                   |
| Subt: AWTS (nor SLF 1 - 6) 2 tnks |  | \$29,495                 |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$2,950                  | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (nor SLF 1 - 6) 2 tnks  |  | \$32,445                 |                   |
|                                   |  |                          |                   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.15 AWTS (i/s betw slf 7&11) 3 tk

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|---|---|
|   |                    |                 |            |                         |   |   |
| 5.15.1 Inventory Verification             |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                  |   |
| Laborer                                   | 3.0                | hours           | \$39.00    | \$117                   | 3 tanks @ 0.5 hour/tank = 1.5 hours @ 2 units/crew = 3.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification         |                    |                 |            | \$117                   |   |   |
| (Subt: Assemb 5.15.1 - 5.15.1)            |                    |                 |            | \$117                   | tanks: T-107, T-108, and T-111  |   |
|   |                    |                 |            |                         |   |   |
| 5.15.2 Empty T-107, T-108, & T-111        |                    |                 |            |                         | production rate = 1,650 gals/hr;  |   |
| Laborer                                   | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                         | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gal)                  | 6.5                | hours           | \$6.31     | \$41                    | 10700 gals @ 1650 SF/hr = 6.5 hours @ 1 unit/crew = 6.5 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanks' Contents              |                    |                 |            | \$41                    |   |   |
|   |                    |                 |            |                         |   |   |
| 5.15.3 Transport Tanker(s) Onsite         |                    |                 |            |                         | production rate = 0.5 hours for onsite transport  |   |
| Road Tractor (4 x 2, 30-ton)              | 1.0                | hours           | \$32.45    | \$32                    | 10700 gals @ 5500 gals/load = 1.9 loads @ 0.5 hrs/trip = 1.0 hours                                      | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                    | 0.0                | samp            | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gal)                  | 1.0                | gal             | \$6.31     | \$6                     | 10700 gals @ 5500 gals/load = 1.9 loads @ 0.5 hrs/trip = 1.0 hours                                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Transport                   |                    |                 |            | \$39                    |   |   |
|   |                    |                 |            |                         |   |   |
| 5.15.4 Empty Tanker(s)                    |                    |                 |            |                         | production rate = 1,650 gals/hr;  |   |
| Laborer                                   | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                         | 0.0                | samp            | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gal)                  | 6.5                | samp            | \$6.31     | \$41                    | 10700 gals @ 1650 SF/hr = 6.5 hours @ 1 unit/crew = 6.5 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tankers                      |                    |                 |            | \$41                    |   |   |
| (Subt: Assemb 5.15.2 - 5.15.4)            |                    |                 |            | \$121                   | empty tanks' contents and transport onsite to AWTS  |   |
|   |                    |                 |            |                         |   |   |
| 5.15.5 Onsite Aqueous Treatment           |                    |                 |            |                         | highly-contaminated liquid waste stream   |   |
| Onsite Aqueous Treatment - Tanks - SLF-7  | 2675.0             | gals            | \$0.2295   | \$614                   | 10700 gals @ 25% for SLF-7 = 2675 gals  | AWTS treatment costs @ \$0.2295                           |
| Onsite Aqueous Treatment - Tanks - SLF-11 | 8025.0             | gals            | \$0.3532   | \$2,834                 | 10700 gals @ 75% for SLF-11 = 8025 gals   | AWTS treatment costs @ \$0.3532                           |
| Subt - Onsite Aqueous Treatment           |                    |                 |            | \$3,448                 |   |   |
| (Subt: Assemb 5.15.5 - 5.15.5)            |                    |                 |            | \$3,448                 |   |   |
|   |                    |                 |            |                         |   |   |
| 5.15.6 Steel Tank Demolition              |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight         | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 490 Lb/CF = 0 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                   | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)               | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                 | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                   | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                           | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                    | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                                | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                         | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition              |                    |                 |            | \$0                     | tank areas based u  |   |
|   |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.15 AWTS (i/s betw slf 7&11) 3 tk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.15.7 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 3.0                | <i>tnks @</i>   |            |                         | <i>10700 gallons: 552 SF Tanks: 15 CF @ 245 Lb/CF = 3757 Lbs</i>                                       | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 8.3                | hours           | \$39.00    | \$324                   | 552 SF @ 200 SF/hour 2.8 hours @ 3 units/crew = 8.3 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 5.5                | hours           | \$45.00    | \$248                   | 552 SF @ 200 SF/hour 2.8 hours @ 2 units/crew = 5.5 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 2.8                | hours           | \$84.09    | \$235                   | 552 SF @ 200 SF/hour 2.8 hours @ 1 units/crew = 2.8 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 2.8                | hours           | \$34.40    | \$96                    | 552 SF @ 200 SF/hour 2.8 hours @ 1 units/crew = 2.8 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 2.8                | hours           | \$2.47     | \$7                     | 552 SF @ 200 SF/hour 2.8 hours @ 1 units/crew = 2.8 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 2.8                | hours           | \$30.03    | \$84                    | 552 SF @ 200 SF/hour 2.8 hours @ 1 units/crew = 2.8 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 2.8                | hours           | \$86.31    | \$242                   | 552 SF @ 200 SF/hour 2.8 hours @ 1 units/crew = 2.8 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 552 SF @ 200 SF/hour 2.8 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | \$1,236                 | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
|  |                    |                 |            |                         |  |   |
| <b>5.15.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 300.0              | <i>LF</i>       |            |                         | <i>3 tanks @ 100 LF/tank = 300 LF @ 4 Lb/LF = 1200 Lbs</i>   | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 30.0               | hours           | \$39.00    | \$1,170                 | 300 LF @ 20 LF/hour 15.0 hours @ 2 units/crew = 30.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 15.0               | hours           | \$5.41     | \$81                    | 300 LF @ 20 LF/hour 15.0 hours @ 1 units/crew = 15.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | \$1,251                 | <i>in the absence of f</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.15.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 3.0                | hours           | \$39.00    | \$117                   | 1.5 pumps @ 1 pump/hr 1.5 hours @ 2 units/crew = 3.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 1.5                | hours           | \$5.41     | \$8                     | 1.5 pumps @ 1 pump/hr 1.5 hours @ 1 units/crew = 1.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | \$125                   | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.15.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.1                | hours           | \$39.00    | \$4                     | 2.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.1                | hours           | \$45.00    | \$5                     | 2.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.1                | hours           | \$30.03    | \$3                     | 2.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.1                | hours           | \$5.20     | \$1                     | 2.0 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | \$12                    | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|  |                    |                 |            |                         |  |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.15 AWTS (i/s betw slf 7&11) 3 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.15.11 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 3.0                | TONS            |            |                         | 2.0 CY depr + 15% kiln dust = 2.31 CY total total tonnage = 3.0 tons                                 | total tons derived from foregoing assemblies + kiln dust      |
| Laborer                                | 0.4                | hours           | \$39.00    | \$16                    | 3.0 tons @ 15 tons/hr @ 0.2 hours @ 2 units/crew = 0.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)            | 0.6                | hours           | \$45.00    | \$27                    | 3.0 tons @ 15 tons/hr @ 0.2 hours @ 3 units/crew = 0.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)                         | 0.2                | hours           | \$19.18    | \$4                     | 3.0 tons @ 15 tons/hr @ 0.2 hours @ 1 units/crew = 0.2 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)                   | 0.2                | hours           | \$14.39    | \$3                     | 3.0 tons @ 15 tons/hr @ 0.2 hours @ 1 units/crew = 0.2 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder                               | 0.2                | hours           | \$329.70   | \$66                    | 3.0 tons @ 15 tons/hr @ 0.2 hours @ 1 units/crew = 0.2 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo              | 0.2                | hours           | \$136.29   | \$27                    | 3.0 tons @ 15 tons/hr @ 0.2 hours @ 1 units/crew = 0.2 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost          | 0.0                | tons            | \$0.00     | \$0                     | 0.3 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 0.0                | loads           | \$0.00     | \$0                     | 0.3 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.3                | tons            | \$48.00    | \$14                    |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)       | 0.1                | units           | \$1,000.00 | \$100                   | 2.3 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                       | 0.0                | hours           | \$19.02    | \$0                     | 2.3 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.2 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate           |                    |                 |            | \$257                   | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
| 5.15.12 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 385.0              | miles           | \$3.25     | \$1,251                 | 2.3 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 385.0 miles                                       | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris         | 2.3                | CY              | \$337.50   | \$776                   | 2.3 CY @ 27 CF/CY = 62.5 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$2,028                 |  |   |
| (Subt: Assemb 5.15.6 - 5.15.12)        |                    |                 |            | \$4,908                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
| 5.15.13 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 11.7               | hours           | \$39.00    | \$456                   | 1229 SF @ 105 SF/hr = 11.7 hours @ 1 pers/crew = 11.7 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 11.7               | hours           | \$4.04     | \$47                    | 1229 SF @ 105 SF/hr = 11.7 hours @ 1 unit/crew = 11.7 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 11.7               | hours           | \$3.41     | \$40                    | 1229 SF @ 105 SF/hr = 11.7 hours @ 1 unit/crew = 11.7 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$543                   |  |   |
| 5.15.14 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 11.7               | hours           | \$39.00    | \$456                   | 1229 SF @ 105 SF/hr = 11.7 hours @ 1 pers/crew = 11.7 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 11.7               | hours           | \$4.04     | \$47                    | 1229 SF @ 105 SF/hr = 11.7 hours @ 1 unit/crew = 11.7 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 11.7               | hours           | \$3.41     | \$40                    | 1229 SF @ 105 SF/hr = 11.7 hours @ 1 unit/crew = 11.7 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$543                   |  |   |
| 5.15.15 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 614.5              | gal             | \$0.0313   | \$19                    | 1229 SF @ 0.5 gal/sf/wa = 614.5 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$177                   |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.15 AWTS (i/s betw slf 7&11) 3 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate       | In-house Pricing References               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| <b>5.15.16 PCB Wipe Samples</b>        |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                             | 2.0                | hours           | \$38.00    | \$76                    | 2.0 samp @ 0.5 hr/samp = 1.0 hours @ 2 pers/crew = 2.0 hours   | technician rate 2011 3rd party quote      |
| TCLP VOC & Metals Analysis             | 0.0                | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes |
| PCB Analysis (SW 8080)                 | 2.0                | samp            | \$83.33    | \$167                   | 1229 SF @ 625 SF/samp = 2.0 samples                            | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$243                   |  |   |
| (Subt: Assemb 5.15.13 - 5.15.16)       |                    |                 |            | \$1,506                 | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 77.5

|   |      |       |          |         |  |   |
|---|------|-------|----------|---------|--|---|
| <b>5.15.17 PPE Usage/H&amp;S Planning</b> |      |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                       | 0.0  | days  | \$0.00   | \$0     | 77.5 hours @ 8 hr/day = 9.7 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                   | 2.4  | days  | \$9.00   | \$22    | 77.5 hours @ 8 hr/day = 9.7 days @ 25% "Mod C" days = 2.4 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                       | 7.3  | days  | \$25.00  | \$183   | 77.5 hours @ 8 hr/day = 9.7 days @ 75% "C" days = 7.3 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                           | 1.9  | hours | \$75.00  | \$143   | 77.5 hours @ 2.5% hr/hr = 1.9 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning             |      |       |          | \$347   |  |   |
|   |      |       |          |         |  |   |
| <b>5.15.18 Supervision</b>                |      |       |          |         | 0.6 week for closure of 3 tanks  |   |
| Foreman                                   | 24.0 | hours | \$65.00  | \$1,560 | 0.6 week @ 40 hrs/wk = 24.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                      | 0.0  | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                    |      |       |          | \$1,560 |  |   |
|   |      |       |          |         |  |   |
| <b>5.15.19 Certification</b>              |      |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                                  | 1.2  | hours | \$130.00 | \$156   | 77.5 hours @ 0.015 hr/hr = 1.2 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                  | 1.2  | hours | \$45.00  | \$54    | 77.5 hours @ 0.015 hr/hr = 1.2 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal Certification                    |      |       |          | \$210   |  |   |
| (Subt: Assemb 5.15.17 - 5.15.19)          |      |       |          | \$2,117 |  |   |

|                                    |             |       |       |          |
|------------------------------------|-------------|-------|-------|----------|
| 5.15 AWTS (i/s betw slf 7&11) 3 tk | Direct Cost | Total | Basic | \$12,217 |
|------------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.15 AWTS (i/s betw slf 7&11) 3 tk |  |                          |                   |
|------------------------------------|--|--------------------------|-------------------|
| Total Cost Summary                 |  |                          |                   |
|                                    |  |                          |                   |
| Cost Category                      | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal        |  | \$12,217                 |                   |
|                                    |  |                          |                   |
| Plus Indirect Costs/Profit:        |  |                          |                   |
| Site Activity Management Costs     | 7.00%                                    | \$855                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office   | 4.00%                                    | \$489                    | note: DEC uses 4% |
| Pre-Construction Design Costs      | 6.00%                                    | \$733                    | note: DEC uses 6% |
| Engineering During Construction    | 2.00%                                    | \$244                    | note: DEC uses 2% |
| General Contractor Profit          | 6.00%                                    | \$733                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal      | 25.00%                                   | \$3,054                  |                   |
|                                    |  |                          |                   |
| Subt: AWTS (i/s betw slf 7&11) 3 t |  | \$15,271                 |                   |
|                                    |  |                          |                   |
| Plus Contingency                   | 10.00%                                   | \$1,527                  | CWM and DEC 10%   |
|                                    |  |                          |                   |
| Tot: AWTS (i/s betw slf 7&11) 3 tk |  | \$16,799                 |                   |
|                                    |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.16 AWTS (i/s A n/w SLF 10) 2 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.16.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$78                    |   |   |
| (Subt: Assemb 5.16.1 - 5.16.1)         |                    |                 |            | \$78                    | tanks: T-109 and T-110  |   |
| 5.16.2 Empty T-109 & T-110             |                    |                 |            |                         | production rate = 1,650 gals/hr; RSM/UP p. 9-171 (line item 33-19-0101)                                 |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 2.0                | hours           | \$6.31     | \$13                    | 3350 gals @ 1650 gals/hr = 2.0 hours @ 1 unit/crew = 2.0 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanks                     |                    |                 |            | \$13                    |   |   |
| 5.16.3 Transport Tanker(s) Onsite      |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite transport   |   |
| Road Tractor (4 x 2, 30-ton)           | 0.3                | hours           | \$32.45    | \$10                    | 3350 gals @ 5500 gals/load = 0.6 loads @ 0.5 hrs/trip = 0.3 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 3350 gals @ 5500 gals/load = 0.6 loads @ 0.5 hrs/trip = 0.3 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Tanker Transport         |                    |                 |            | \$12                    |   |   |
| 5.16.4 Empty tanker(s)                 |                    |                 |            |                         | production rate = 1,650 gals/hr; RSM/UP p. 9-171 (line item 33-19-0101)                                 |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 2.0                | hours           | \$6.31     | \$13                    | 3350 gals @ 1650 gals/hr = 2.0 hours @ 1 unit/crew = 2.0  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker(s)                 |                    |                 |            | \$13                    |   |   |
| (Subt: Assemb 5.16.2 - 5.16.4)         |                    |                 |            | \$37                    | empty tanks' contents and onsite transport to AWTS  |   |
| 5.16.5 Onsite Aqueous Treatment        |                    |                 |            |                         | liquid waste stream   |   |
| Onsite Aqueous Treatment - Tanks       | 3350.0             | gals            | \$0.2295   | \$769                   | 3350 gals   | AWTS treatment costs @ \$0.2295                           |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$769                   |   |   |
| (Subt: Assemb 5.16.5 - 5.16.5)         |                    |                 |            | \$769                   | onsite treatment of tanks' waste liquids  |   |
| 5.16.6 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 490 Lb/CF = 0 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.16 AWTS (i/s A n/w SLF 10) 2 tk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.16.7 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 2.0                | <i>tnks @</i>   |            |                         | <i>3350 gallons:      410 SF Tanks:      11 CF @      245 Lb/CF =      2790 Lbs</i>                    | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 6.2                | hours           | \$39.00    | \$242                   | 410 SF @      200 SF/hour      2.1 hours @      3 units/crew =      6.2 hours                          | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 4.1                | hours           | \$45.00    | \$185                   | 410 SF @      200 SF/hour      2.1 hours @      2 units/crew =      4.1 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 2.1                | hours           | \$84.09    | \$177                   | 410 SF @      200 SF/hour      2.1 hours @      1 units/crew =      2.1 hours                          | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 2.1                | hours           | \$34.40    | \$72                    | 410 SF @      200 SF/hour      2.1 hours @      1 units/crew =      2.1 hours                          | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 2.1                | hours           | \$2.47     | \$5                     | 410 SF @      200 SF/hour      2.1 hours @      1 units/crew =      2.1 hours                          | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 2.1                | hours           | \$30.03    | \$63                    | 410 SF @      200 SF/hour      2.1 hours @      1 units/crew =      2.1 hours                          | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 2.1                | hours           | \$86.31    | \$181                   | 410 SF @      200 SF/hour      2.1 hours @      1 units/crew =      2.1 hours                          | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 410 SF @      200 SF/hour      2.1 hours @      0 units/crew =      0.0 hours                          | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | \$925                   | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
|  |                    |                 |            |                         |  |   |
| <b>5.16.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 200.0              | <i>LF</i>       |            |                         | <i>2 tanks @      100 LF/tank =      200 LF @      4 Lb/LF =      800 Lbs</i>                          | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 20.0               | hours           | \$39.00    | \$780                   | 200 LF @      20 LF/hour      10.0 hours @      2 units/crew =      20.0 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 10.0               | hours           | \$5.41     | \$54                    | 200 LF @      20 LF/hour      10.0 hours @      1 units/crew =      10.0 hours                         | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | \$834                   | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                          |   |
|  |                    |                 |            |                         |  |   |
| <b>5.16.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @      1 pump/hr      1.0 hours @      2 units/crew =      2.0 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @      1 pump/hr      1.0 hours @      1 units/crew =      1.0 hours                         | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | \$83                    | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.16.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.1                | hours           | \$39.00    | \$4                     | 1.4 CY @      15 CY/hr =      0.1 hours @      1 units/crew      0.1 hours                             | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.1                | hours           | \$45.00    | \$5                     | 1.4 CY @      15 CY/hr =      0.1 hours @      1 units/crew =      0.1 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.1                | hours           | \$30.03    | \$3                     | 1.4 CY @      15 CY/hr =      0.1 hours @      1 units/crew =      0.1 hours                           | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.1                | hours           | \$5.20     | \$1                     | 1.4 CY @      15 CY/hr =      0.1 hours @      1 units/crew      0.1 hours                             | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | \$12                    | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.16 AWTS (i/s A n/w SLF 10) 2 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.16.11 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 2.1                | TONS            |            |                         | 1.4 CY debr + 15% kiln dust = 1.59 CY total total tonnage = 2.1 tons                                 | total tons derived from foregoing assemblies + kiln dust      |
| Laborer                                | 0.3                | hours           | \$39.00    | \$12                    | 2.1 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)            | 0.4                | hours           | \$45.00    | \$18                    | 2.1 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)                         | 0.1                | hours           | \$19.18    | \$2                     | 2.1 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)                   | 0.1                | hours           | \$14.39    | \$1                     | 2.1 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder                               | 0.1                | hours           | \$329.70   | \$33                    | 2.1 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo              | 0.1                | hours           | \$136.29   | \$14                    | 2.1 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost          | 0.0                | tons            | \$0.00     | \$0                     | 0.2 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 0.0                | loads           | \$0.00     | \$0                     | 0.2 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.2                | tons            | \$48.00    | \$10                    |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)       | 0.1                | units           | \$1,000.00 | \$100                   | 1.6 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                       | 0.0                | hours           | \$19.02    | \$0                     | 1.6 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate           | 2.1                | tons            |            | \$189                   | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| 5.16.12 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 38.5               | miles           | \$3.25     | \$125                   | 1.6 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris         | 1.6                | CY              | \$337.50   | \$540                   | 1.6 CY @ 27 CF/CY = 43.0 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$665                   |  |   |
| (Subt: Assemb 5.16.6 - 5.16.12)        |                    |                 |            | \$2,708                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
|  |                    |                 |            |                         |  |   |
| 5.16.13 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 9.1                | hours           | \$39.00    | \$355                   | 951 SF @ 105 SF/hr = 9.1 hours @ 1 pers/crew = 9.1 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 9.1                | hours           | \$4.04     | \$37                    | 951 SF @ 105 SF/hr = 9.1 hours @ 1 unit/crew = 9.1 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 9.1                | hours           | \$3.41     | \$31                    | 951 SF @ 105 SF/hr = 9.1 hours @ 1 unit/crew = 9.1 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$423                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.16.14 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 9.1                | hours           | \$39.00    | \$355                   | 951 SF @ 105 SF/hr = 9.1 hours @ 1 pers/crew = 9.1 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 9.1                | hours           | \$4.04     | \$37                    | 951 SF @ 105 SF/hr = 9.1 hours @ 1 unit/crew = 9.1 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 9.1                | hours           | \$3.41     | \$31                    | 951 SF @ 105 SF/hr = 9.1 hours @ 1 unit/crew = 9.1 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$423                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.16.15 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 475.5              | gal             | \$0.0313   | \$15                    | 951 SF @ 0.5 gal/sf/wa = 475.5 gallons   | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$172                   |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.16 AWTS (i/s A n/w SLF 10) 2 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                  |     |       |          |         |  |   |
|----------------------------------|-----|-------|----------|---------|--|---|
| 5.16.16 PCB Wipe Samples         |     |       |          |         | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                       | 1.5 | hours | \$38.00  | \$57    | 1.5 samp @ 0.5 hr/samp = 0.75 hours @ 2 pers/crew = 1.5 hours  | technician rate 2011 3rd party quote      |
| TCLP (Metals/VOCs/Semi-VOCs)     | 0.0 | samp  | \$446.67 | \$0     |  | analytical price: average of three quotes |
| PCB Analysis (SW 8081/8082)      | 1.5 | samp  | \$83.33  | \$125   | 951 SF @ 625 SF/samp = 1.5 samples                             | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp    |     |       |          | \$182   |  |   |
| (Subt: Assemb 5.16.13 - 5.16.16) |     |       |          | \$1,200 | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 56.0

|                                  |     |       |          |       |  |   |
|----------------------------------|-----|-------|----------|-------|--|---|
| 5.16.17 PPE Usage/H&S Planning   |     |       |          |       | Level C @ 75%; Level D @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0 | days  | \$0.00   | \$0   | 56.0 hours @ 8 hr/day = 7.0 days @ 25% "D" days = 0.0 days                                   | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 1.8 | days  | \$9.00   | \$16  | 56.0 hours @ 8 hr/day = 7.0 days @ 25% "D" days = 1.8 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 5.2 | days  | \$25.00  | \$130 | 56.0 hours @ 8 hr/day = 7.0 days @ 75% "C" days = 5.2 days                                   | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 1.4 | hours | \$75.00  | \$105 | 56.0 hours @ 2.5% hr/hr = 1.4 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$251 |  |   |
| 5.16.18 Supervision              |     |       |          |       | 0.2 week for closure of 3 tanks  |   |
| Foreman                          | 8.0 | hours | \$65.00  | \$520 | 0.2 week @ 40 hrs/wk = 8.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0.0 | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs                                  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$520 |  |   |
| 5.16.19 Certification            |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks             |   |
| Engineer                         | 0.8 | hours | \$130.00 | \$104 | 56.0 hours @ 0.015 hr/hr = 0.8 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 0.8 | hours | \$45.00  | \$36  | 56.0 hours @ 0.015 hr/hr = 0.8 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |     |       |          | \$140 |  |   |
| (Subt: Assemb 5.16.17 - 5.16.19) |     |       |          | \$911 |  |   |

|                                   |             |       |       |         |
|-----------------------------------|-------------|-------|-------|---------|
| 5.16 AWTS (i/s A n/w SLF 10) 2 tk | Direct Cost | Total | Basic | \$5,703 |
|-----------------------------------|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                   |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| 5.16 AWTS (i/s A n/w SLF 10) 2 tk |  |                          |                   |
| Total Cost Summary                |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$5,703                  |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$399                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$228                    | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$342                    | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$114                    | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$342                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$1,426                  |                   |
|                                   |  |                          |                   |
| Subt: AWTS (i/s A n/w SLF 10) 2   |  | \$7,129                  |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$713                    | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (i/s A n/w SLF 10) 2 tk |  | \$7,841                  |                   |
|                                   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.17 AWTS (i/s A east LTF) 2 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                                | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.17.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours                          | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$78                    |   |   |
| (Subt: Assemb 5.17.1 - 5.17.1)         |                    |                 |            | \$78                    | tanks: T-158 and T-159  |   |
| 5.17.2 Onsite Aqueous Treatment        |                    |                 |            |                         | 80% of T-158 & 100% of T-159 liquid waste pumped directly from tanks into AWTS          |   |
| Onsite Aqueous Treatment - Tanks       | 14600.0            | gals            | \$0.2210   | \$3,226                 | 14600 gals  | AWTS treatment costs @ \$0.2295                           |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$3,226                 |   |   |
| (Subt: Assemb 5.17.2 - 5.17.2)         |                    |                 |            | \$3,226                 | onsite treatment of tanks' waste liquids  |   |
| 5.17.3 Load 20% of T-158 to Tnkr       |                    |                 |            |                         | production rate = 1,650 gal/hour;   |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gal)               | 2.1                | hours           | \$6.31     | \$13                    | 3400.0 gals @ 1650 gals/hr = 2.1 hours @ 1 units/crew 2.1 hours                         | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Load 20% of Tank T-158          |                    |                 |            | \$13                    |   |   |
| 5.17.4 Offsite T&D - 20% T-158         |                    |                 |            |                         | 20% of T-158 PCB oils   |   |
| Offsite Transportation - PCB Liqs      | 945.2              | miles           | \$3.50     | \$3,308                 | 3400.0 gals @ 5500 gals/load = 0.6 loads @ 1529 miles/trip = 945.2 hours                | Rate: transporters quote/site experience                  |
| Offsite Disposal - PCB Liqs            | 3400.0             | gals            | \$4.68     | \$15,912                | 3400.0 gals   | HWC/ETC 2004 & Current third party rate                   |
| Subt - Offsite T&D: 20% of T-158       |                    |                 |            | \$19,220                |   |   |
| (Subt: Assemb 5.17.3 - 5.17.4)         |                    |                 |            | \$19,233                | offsite T&D of 20% of contents of Tank T-158  |   |
| 5.17.5 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr; 1 CF debris per 36 sf tank area                                |   |
| No. of Tanks/Capacity/Area/Weight      | 1.0                | tnks @          |            |                         | 17000 gallons: 905 SF Tanks: 25 CF @ 490 Lb/CF = 12318 Lbs                              | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 13.6               | hours           | \$39.00    | \$530                   | 905 SF @ 200 SF/hour 4.5 hours @ 3 units/crew = 13.6 hours                              | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 9.1                | hours           | \$45.00    | \$410                   | 905 SF @ 200 SF/hour 4.5 hours @ 2 units/crew = 9.1 hours                               | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 4.5                | hours           | \$84.09    | \$378                   | 905 SF @ 200 SF/hour 4.5 hours @ 1 units/crew = 4.5 hours                               | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 4.5                | hours           | \$34.40    | \$155                   | 905 SF @ 200 SF/hour 4.5 hours @ 1 units/crew = 4.5 hours                               | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 4.5                | hours           | \$2.47     | \$11                    | 905 SF @ 200 SF/hour 4.5 hours @ 1 units/crew = 4.5 hours                               | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 4.5                | hours           | \$30.03    | \$135                   | 905 SF @ 200 SF/hour 4.5 hours @ 1 units/crew = 4.5 hours                               | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 4.5                | hours           | \$86.31    | \$388                   | 905 SF @ 200 SF/hour 4.5 hours @ 1 units/crew = 4.5 hours                               | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 4.5                | hours           | \$5.41     | \$24                    | 905 SF @ 200 SF/hour 4.5 hours @ 1 units/crew = 4.5 hours                               | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$2,032                 | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5    |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.17 AWTS (i/s A east LTF) 2 tnks

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.17.6 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 1.0                | <i>tnks @</i>   |            |                         | <i>1000 gallons: 160 SF Tanks: 4 CF @ 245 Lb/CF = 1089 Lbs</i>   | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 2.4                | hours           | \$39.00    | \$94                    | 160 SF @ 200 SF/hour 0.8 hours @ 3 units/crew = 2.4 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 1.6                | hours           | \$45.00    | \$72                    | 160 SF @ 200 SF/hour 0.8 hours @ 2 units/crew = 1.6 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.8                | hours           | \$84.09    | \$67                    | 160 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.8                | hours           | \$34.40    | \$28                    | 160 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.8                | hours           | \$2.47     | \$2                     | 160 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.8                | hours           | \$30.03    | \$24                    | 160 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.8                | hours           | \$86.31    | \$69                    | 160 SF @ 200 SF/hour 0.8 hours @ 1 units/crew = 0.8 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 160 SF @ 200 SF/hour 0.8 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | \$355                   | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
|  |                    |                 |            |                         |  |   |
| <b>5.17.7 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 200.0              | <i>LF</i>       |            |                         | <i>2 tanks @ 100 LF/tank = 200 LF @ 4 Lb/LF = 800 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 20.0               | hours           | \$39.00    | \$780                   | 200 LF @ 20 LF/hour 10.0 hours @ 2 units/crew = 20.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 10.0               | hours           | \$5.41     | \$54                    | 200 LF @ 20 LF/hour 10.0 hours @ 1 units/crew = 10.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | \$834                   | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                          |   |
|  |                    |                 |            |                         |  |   |
| <b>5.17.8 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | \$83                    | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.17.9 Load Tank Demo Debris</b>      |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.1                | hours           | \$39.00    | \$4                     | 2.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.1                | hours           | \$45.00    | \$5                     | 2.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.1                | hours           | \$30.03    | \$3                     | 2.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.1                | hours           | \$5.20     | \$1                     | 2.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | \$12                    | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.17 AWTS (i/s A east LTF) 2 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.17.10 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 7.5                | TONS            |            |                         | 2.1 CY debr + 15% kiln dust = 2.37 CY total total tonnage = 7.5 tons                                 | total tons derived from foregoing assemblies + kiln dust      |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 7.5 tons @ 15 tons/hr @ 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)            | 1.5                | hours           | \$45.00    | \$68                    | 7.5 tons @ 15 tons/hr @ 0.5 hours @ 3 units/crew = 1.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)                         | 0.5                | hours           | \$19.18    | \$10                    | 7.5 tons @ 15 tons/hr @ 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)                   | 0.5                | hours           | \$14.39    | \$7                     | 7.5 tons @ 15 tons/hr @ 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder                               | 0.5                | hours           | \$329.70   | \$165                   | 7.5 tons @ 15 tons/hr @ 0.5 hours @ 1 units/crew = 0.5 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo              | 0.5                | hours           | \$136.29   | \$68                    | 7.5 tons @ 15 tons/hr @ 0.5 hours @ 1 units/crew = 0.5 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost          | 0.0                | tons            | \$0.00     | \$0                     | 0.3 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 0.0                | loads           | \$0.00     | \$0                     | 0.3 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.3                | tons            | \$48.00    | \$14                    |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)       | 0.1                | units           | \$1,000.00 | \$100                   | 2.4 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                       | 0.0                | hours           | \$19.02    | \$0                     | 2.4 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.5 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate           | 7.5                | tons            |            | \$471                   | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
| 5.17.11 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 38.5               | miles           | \$3.25     | \$125                   | 2.4 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris         | 2.4                | CY              | \$337.50   | \$810                   | 2.4 CY @ 27 CF/CY = 63.9 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$935                   |  |   |
| (Subt: Assemb 5.17.5 - 5.17.11)        |                    |                 |            | \$4,723                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
| 5.17.12 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 13.5               | hours           | \$39.00    | \$527                   | 1421 SF @ 105 SF/hr = 13.5 hours @ 1 pers/crew = 13.5 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 13.5               | hours           | \$4.04     | \$55                    | 1421 SF @ 105 SF/hr = 13.5 hours @ 1 unit/crew = 13.5 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 13.5               | hours           | \$3.41     | \$46                    | 1421 SF @ 105 SF/hr = 13.5 hours @ 1 unit/crew = 13.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$627                   |  |   |
| 5.17.13 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 13.5               | hours           | \$39.00    | \$527                   | 1421 SF @ 105 SF/hr = 13.5 hours @ 1 pers/crew = 13.5 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 13.5               | hours           | \$4.04     | \$55                    | 1421 SF @ 105 SF/hr = 13.5 hours @ 1 unit/crew = 13.5 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 13.5               | hours           | \$3.41     | \$46                    | 1421 SF @ 105 SF/hr = 13.5 hours @ 1 unit/crew = 13.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$627                   |  |   |
| 5.17.14 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 710.5              | gal             | \$0.0313   | \$22                    | 1421 SF @ 0.5 gal/sf/wa = 710.5 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$180                   |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.17 AWTS (i/s A east LTF) 2 tnks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                         |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.17.15 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                                   |   |
| Technician                             | 2.3                | hours           | \$38.00    | \$87                    | 2.3 samp @ 0.5 hr/samp = 1.15 hours @ 2 pers/crew = 2.3 hours                                    | technician rate 2011 3rd party quote                |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes           |
| PCB Analysis (SW 8081/8082)            | 2.3                | samp            | \$83.33    | \$192                   | 1421 SF @ 625 SF/samp = 2.3 samples  | analytical price: average of three quotes           |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$279                   |  |   |
| (Subt: Assemb 5.17.12 - 5.17.15)       |                    |                 |            | \$1,713                 | decontamination & sampling of SCA  |   |
|  |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours 83.8       |                    |                 |            |                         |  |   |
|  |                    |                 |            |                         |  |   |
| 5.17.16 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | 83.8 hours @ 8 hr/day = 10.5 days @ 0% "D" days = 0.0 days                                       | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                | 2.6                | days            | \$9.00     | \$23                    | 83.8 hours @ 8 hr/day = 10.5 days @ 25% "Mod C" days = 2.6 days                                  | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                    | 7.9                | days            | \$25.00    | \$198                   | 83.8 hours @ 8 hr/day = 10.5 days @ 75% "C" days = 7.9 days                                      | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                        | 2.1                | hours           | \$75.00    | \$158                   | 83.8 hours @ 2.5% hr/hr = 2.1 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$378                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.17.17 Supervision                    |                    |                 |            |                         | 0.2 week for closure of 2 tanks  |   |
| Foreman                                | 8.0                | hours           | \$65.00    | \$520                   | 0.2 week @ 40 hrs/wk = 8.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                 |                    |                 |            | \$520                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.17.18 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                               | 1.3                | hours           | \$130.00   | \$169                   | 83.8 hours @ 0.015 hr/hr = 1.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                               | 1.3                | hours           | \$45.00    | \$59                    | 83.8 hours @ 0.015 hr/hr = 1.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification                |                    |                 |            | \$228                   |  |   |
| (Subt: Assemb 5.17.16 - 5.17.18)       |                    |                 |            | \$1,126                 |  |   |
|  |                    |                 |            |                         |  |   |
| 5.17 AWTS (i/s A east LTF) 2 tnks      | Direct Cost        | Total           | Basic      | \$30,099                |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                   |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| 5.17 AWTS (i/s A east LTF) 2 tnks |  |                          |                   |
| Total Cost Summary - Basic Opt.   |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$30,099                 |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$2,107                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$1,204                  | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$1,806                  | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$602                    | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$1,806                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$7,525                  |                   |
|                                   |  |                          |                   |
| Subt: AWTS (i/s A east LTF) 2 tks |  | \$37,623                 |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$3,762                  | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (i/s A east LTF) 2 tnks |  | \$41,386                 |                   |
|                                   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.18 AWTS (i/s A s/e SLF 12) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.18.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required             |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours                                      | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.18.1 - 5.18.1)         |                    |                 |            | \$39                    | tank: T-150   |   |
|  |                    |                 |            |                         |   |   |
| 5.18.2 Onsite Aqueous Treatment        |                    |                 |            |                         | liquid waste stream pumped directly from tanks into AWTS  |   |
| Onsite Aqueous Treatment - Tanks       | 8000.0             | gals            | \$0.1526   | \$1,221                 | 8000 gals   | AWTS treatment costs @ \$0.1526                           |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$1,221                 |   |   |
| (Subt: Assemb 5.18.2 - 5.18.2)         |                    |                 |            | \$1,221                 | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.18.3 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area                          |   |
| No. of Tanks/Capacity/Area/Weight      | 1.0                | tnks @          |            |                         | 8000 gallons: 600 SF Tanks: 17 CF @ 490 Lb/CF = 8167 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 9.0                | hours           | \$39.00    | \$351                   | 600 SF @ 200 SF/hour 3.0 hours @ 3 units/crew = 9.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 6.0                | hours           | \$45.00    | \$270                   | 600 SF @ 200 SF/hour 3.0 hours @ 2 units/crew = 6.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 3.0                | hours           | \$84.09    | \$252                   | 600 SF @ 200 SF/hour 3.0 hours @ 1 units/crew = 3.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320]                |
| Metal Shears Attachment                | 3.0                | hours           | \$34.40    | \$103                   | 600 SF @ 200 SF/hour 3.0 hours @ 1 units/crew = 3.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 3.0                | hours           | \$2.47     | \$7                     | 600 SF @ 200 SF/hour 3.0 hours @ 1 units/crew = 3.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345]                |
| Loader                                 | 3.0                | hours           | \$30.03    | \$90                    | 600 SF @ 200 SF/hour 3.0 hours @ 1 units/crew = 3.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730]                |
| Yard Crane                             | 3.0                | hours           | \$86.31    | \$259                   | 600 SF @ 200 SF/hour 3.0 hours @ 1 units/crew = 3.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700]                |
| Welding Equipment                      | 3.0                | hours           | \$5.41     | \$16                    | 600 SF @ 200 SF/hour 3.0 hours @ 1 units/crew = 3.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800]                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$1,349                 | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
|  |                    |                 |            |                         |   |   |
| 5.18.4 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320]                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345]                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730]                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700]                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800]                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
|  |                    |                 |            |                         |   |   |
| 5.18.5 Tank Piping Demolition          |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, for 2"/4" metal pipe @ 4#/LF  |   |
| Estimated Piping Length                | 100.0              | LF              |            |                         | 1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs  | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800]                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$417                   | in the absence of facility data, piping assumed to average 100 LF/tank                              |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.18 AWTS (i/s A s/e SLF 12) 1 tnk

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.18.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr assume 0.5 pumps/tank  |   |
| Laborers                                  | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|   |                    |                 |            |                         |  |   |
| <b>5.18.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour;  |   |
| Laborer                                   | 0.1                | hours           | \$39.00    | \$4                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.1                | hours           | \$45.00    | \$5                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 0.1                | hours           | \$30.03    | \$3                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 0.1                | hours           | \$5.20     | \$1                     | 1.1 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$12</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.18.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 4.5                | TONS            |            |                         | 1.1 CY depr + 15% kiln dust = 1.26 CY total total tonnage = 4.5 tons                                   | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 0.6                | hours           | \$39.00    | \$23                    | 4.5 tons @ 15 tons/hr @ 0.3 hours @ 2 units/crew = 0.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.9                | hours           | \$45.00    | \$41                    | 4.5 tons @ 15 tons/hr @ 0.3 hours @ 3 units/crew = 0.9 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 0.3                | hours           | \$19.18    | \$6                     | 4.5 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 0.3                | hours           | \$14.39    | \$4                     | 4.5 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 0.3                | hours           | \$329.70   | \$99                    | 4.5 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 0.3                | hours           | \$136.29   | \$41                    | 4.5 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0.0                | tons            | \$0.00     | \$0                     | 0.2 tons   |   |
| Cement Kiln Dust - Delivery Cost          | 0.0                | loads           | \$0.00     | \$0                     | 0.2 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 0.2                | tons            | \$48.00    | \$10                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.043              | units           | \$1,000.00 | \$43                    | 1.3 CYs @ 30 CY/unit = 0.043 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 0.0                | hours           | \$19.02    | \$0                     | 1.3 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.3 hours/rolloff = 0.0 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$266</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.18.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 38.5               | miles           | \$3.25     | \$125                   | 1.3 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 1.3                | CY              | \$337.50   | \$439                   | 1.3 CY @ 27 CF/CY = 34.1 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$564</b>            |  |   |
| <i>(Subt: Assemb 5.18.3 - 5.18.9)</i>     |                    |                 |            | <b>\$2,650</b>          | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.18.10 Decon SCA (wash)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 8.5                | hours           | \$39.00    | \$332                   | 896 SF @ 105 SF/hr = 8.5 hours @ 1 pers/crew = 8.5 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 8.5                | hours           | \$4.04     | \$34                    | 896 SF @ 105 SF/hr = 8.5 hours @ 1 unit/crew = 8.5 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 8.5                | hours           | \$3.41     | \$29                    | 896 SF @ 105 SF/hr = 8.5 hours @ 1 unit/crew = 8.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$395</b>            |  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.18.11 Decon SCA (rinse)</b>          |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 8.5                | hours           | \$39.00    | \$332                   | 896 SF @ 105 SF/hr = 8.5 hours @ 1 pers/crew = 8.5 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 8.5                | hours           | \$4.04     | \$34                    | 896 SF @ 105 SF/hr = 8.5 hours @ 1 unit/crew = 8.5 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 8.5                | hours           | \$3.41     | \$29                    | 896 SF @ 105 SF/hr = 8.5 hours @ 1 unit/crew = 8.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (rinse)                  |                    |                 |            | <b>\$395</b>            |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.18 AWTS (i/s A s/e SLF 12) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate       | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.18.12 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs               |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples                        | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 448.0              | gal             | \$0.0313   | \$14                    | 896 SF @ 0.5 gal/sf/wa = 448 gallons                           | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$171                   |  |   |
| 5.18.13 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                             | 1.4                | hours           | \$38.00    | \$53                    | 1.4 samp @ 0.5 hr/samp = 0.7 hours @ 2 pers/crew = 1.4 hours   | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 1.4                | samp            | \$83.33    | \$117                   | 896 SF @ 625 SF/samp = 1.4 samples                             | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$170                   |  |   |
| (Subt: Assemb 5.18.10 - 5.18.13)       |                    |                 |            | \$1,131                 | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 48.2

|                                  |     |       |          |       |  |   |
|----------------------------------|-----|-------|----------|-------|--|---|
| 5.18.14 PPE Usage/H&S Planning   |     |       |          |       | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0 | days  | \$0.00   | \$0   | 48.2 hours @ 8 hr/day = 6.0 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 1.5 | days  | \$9.00   | \$14  | 48.2 hours @ 8 hr/day = 6.0 days @ 25% "Mod C" days = 1.5 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 4.5 | days  | \$25.00  | \$113 | 48.2 hours @ 8 hr/day = 6.0 days @ 75% "C" days = 4.5 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 1.2 | hours | \$75.00  | \$90  | 48.2 hours @ 2.5% hr/hr = 1.2 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$216 |  |   |
| 5.18.15 Supervision              |     |       |          |       | 0.2 week for closure of 1 tank   |   |
| Foreman                          | 8.0 | hours | \$65.00  | \$520 | 0.2 week @ 40 hrs/wk = 8.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0.0 | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$520 |  |   |
| 5.18.16 Certification            |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 0.7 | hours | \$130.00 | \$91  | 48.2 hours @ 0.015 hr/hr = 0.7 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 0.7 | hours | \$45.00  | \$32  | 48.2 hours @ 0.015 hr/hr = 0.7 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification         |     |       |          | \$123 |  |   |
| (Subt: Assemb 5.18.14 - 5.18.16) |     |       |          | \$859 |  |   |

|                                    |             |       |       |         |
|------------------------------------|-------------|-------|-------|---------|
| 5.18 AWTS (i/s A s/e SLF 12) 1 tnk | Direct Cost | Total | Basic | \$5,899 |
|------------------------------------|-------------|-------|-------|---------|



Overall Site-Wide Closure Cost Estimate  
6/6/2012

|   |  |                                   |                   |
|---|--|-----------------------------------|-------------------|
| <b>5.18 AWTS (i/s A s/e SLF 12) 1 tnk</b> |  |                                   |                   |
| <b>Total Cost Summary - Basic Opt.</b>    |  |                                   |                   |
|   |  |                                   |                   |
| <b>Cost Category</b>                      | <b>Proposed<br/>Percent<br/>of Direct<br/>Cost</b> | <b>Proposed<br/>2011<br/>Cost</b> | <b>Cost Range</b> |
| <b>Direct Costs/Basic Disposal</b>        |  | \$5,899                           |                   |
|   |  |                                   |                   |
| Plus Indirect Costs/Profit:               |  |                                   |                   |
| Site Activity Management Costs            | 7.00%  | \$413                             | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office          | 4.00%  | \$236                             | note: DEC uses 4% |
| Pre-Construction Design Costs             | 6.00%  | \$354                             | note: DEC uses 6% |
| Engineering During Construction           | 2.00%  | \$118                             | note: DEC uses 2% |
| General Contractor Profit                 | 6.00%  | \$354                             | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b>      | 25.00%   | \$1,475                           |                   |
|   |  |                                   |                   |
| <b>Subt: AWTS (i/s A s/e SLF12) 1 tk</b>  |  | \$7,374                           |                   |
|   |  |                                   |                   |
| <b>Plus Contingency</b>                   | 10.00%   | \$737                             | CWM and DEC 10%   |
|   |  |                                   |                   |
| <b>Tot: AWTS (i/s A s/e SLF12) 1 tnk</b>  |  | \$8,111                           |                   |
|   |  |                                   |                   |

**Cost References:**

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.19 AWTS (i/s form o/w sep) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.19.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required             |   |
| Laborer                                | 5.0                | hours           | \$39.00    | \$195                   | 5 tanks @ 0.5 hour/tank = 2.5 hours @ 2 units/crew = 5.0 hours                                      | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$195                   |   |   |
| (Subt: Assemb 5.19.1 - 5.19.1)         |                    |                 |            | \$195                   | currently permitted tank: T-157 (also demo non-operating tanks T-152, T-153, T-154, & T-155 at c    |   |
| 5.19.2 Onsite Aqueous Treatment        |                    |                 |            |                         | Non-hazardous site waters only  |   |
| Onsite Aqueous Treatment - Tanks       |                    | gals            | \$0.0453   | \$0                     | 8000 gals   | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$0                     |   |   |
| (Subt: Assemb 5.19.2 - 5.19.2)         |                    |                 |            | \$0                     | All non-hazardous site waters no treatment necessary  |   |
| 5.19.3 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr; 1 CF debris per 36 sf tank area  |   |
| No. of Tanks/Capacity/Area/Weight      | 5.0                | tnks @          |            |                         | 8000 gallons: 2521 SF Tanks: 70 CF @ 490 Lb/CF = 34314 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 37.8               | hours           | \$39.00    | \$1,474                 | 2521 SF @ 200 SF/hour 12.6 hours @ 3 units/crew = 37.8 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 25.2               | hours           | \$45.00    | \$1,134                 | 2521 SF @ 200 SF/hour 12.6 hours @ 2 units/crew = 25.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 12.6               | hours           | \$84.09    | \$1,060                 | 2521 SF @ 200 SF/hour 12.6 hours @ 1 units/crew = 12.6 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 12.6               | hours           | \$34.40    | \$433                   | 2521 SF @ 200 SF/hour 12.6 hours @ 1 units/crew = 12.6 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 12.6               | hours           | \$2.47     | \$31                    | 2521 SF @ 200 SF/hour 12.6 hours @ 1 units/crew = 12.6 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 12.6               | hours           | \$30.03    | \$378                   | 2521 SF @ 200 SF/hour 12.6 hours @ 1 units/crew = 12.6 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 12.6               | hours           | \$86.31    | \$1,088                 | 2521 SF @ 200 SF/hour 12.6 hours @ 1 units/crew = 12.6 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 12.6               | hours           | \$5.41     | \$68                    | 2521 SF @ 200 SF/hour 12.6 hours @ 1 units/crew = 12.6 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$5,666                 | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
| 5.19.4 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             | 0.0                | SF @            |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
| 5.19.5 Tank Piping Demolition          |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, for 2"/4" metal pipe @ 4#/LF  |   |
| Estimated Piping Length                | 500.0              | LF              |            |                         | 5 tanks @ 100 LF/tank = 500 LF @ 4 Lb/LF = 2000 Lbs   | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 50.0               | hours           | \$39.00    | \$1,950                 | 500 LF @ 20 LF/hour 25.0 hours @ 2 units/crew = 50.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 25.0               | hours           | \$5.41     | \$135                   | 500 LF @ 20 LF/hour 25.0 hours @ 1 units/crew = 25.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$2,085                 | in the absence of facility data, piping assumed to average 100 LF/tank                              |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.19 AWTS (i/s form o/w sep) 1 tk

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.19.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr assume 0.5 pumps/tank  |   |
| Laborers                                  | 5.0                | hours           | \$39.00    | \$195                   | 2.5 pumps @ 1 pump/hr 2.5 hours @ 2 units/crew = 5.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 2.5                | hours           | \$5.41     | \$14                    | 2.5 pumps @ 1 pump/hr 2.5 hours @ 1 units/crew = 2.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$209</b>            | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|   |                    |                 |            |                         |  |   |
| <b>5.19.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour;  |   |
| Laborer                                   | 0.3                | hours           | \$39.00    | \$12                    | 5.0 CY @ 15 CY/hr = 0.3 hours @ 1 units/crew 0.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.3                | hours           | \$45.00    | \$14                    | 5.0 CY @ 15 CY/hr = 0.3 hours @ 1 units/crew = 0.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 0.3                | hours           | \$30.03    | \$9                     | 5.0 CY @ 15 CY/hr = 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 0.3                | hours           | \$5.20     | \$2                     | 5.0 CY @ 15 CY/hr = 0.3 hours @ 1 units/crew 0.3 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$36</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.19.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 19.2               | TONS            |            |                         | 5.0 CY debr + 15% kiln dust = 5.75 CY total total tonnage = 19.2 tons                                  | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 2.6                | hours           | \$39.00    | \$101                   | 19.2 tons @ 15 tons/hr @ 1.3 hours @ 2 units/crew = 2.6 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 3.8                | hours           | \$45.00    | \$171                   | 19.2 tons @ 15 tons/hr @ 1.3 hours @ 3 units/crew = 3.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 1.3                | hours           | \$19.18    | \$25                    | 19.2 tons @ 15 tons/hr @ 1.3 hours @ 1 units/crew = 1.3 hours  | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 1.3                | hours           | \$14.39    | \$19                    | 19.2 tons @ 15 tons/hr @ 1.3 hours @ 1 units/crew = 1.3 hours  | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 1.3                | hours           | \$329.70   | \$429                   | 19.2 tons @ 15 tons/hr @ 1.3 hours @ 1 units/crew = 1.3 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 1.3                | hours           | \$136.29   | \$177                   | 19.2 tons @ 15 tons/hr @ 1.3 hours @ 1 units/crew = 1.3 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0.0                | tons            | \$0.00     | \$0                     | 0.8 tons   |   |
| Cement Kiln Dust - Delivery Cost          | 0.0                | loads           | \$0.00     | \$0                     | 0.8 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 0.8                | tons            | \$48.00    | \$38                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.2                | units           | \$1,000.00 | \$200                   | 5.8 CYs @ 30 CY/unit = 0.2 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 0.2                | hours           | \$19.02    | \$4                     | 5.8 CYs @ 30 CY/unit = 0.2 rolloffs @ 1.3 hours/rolloff = 0.2 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$1,164</b>          | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.19.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 77.0               | miles           | \$3.25     | \$250                   | 5.8 CY @ 30 CY/load = 0.2 loads @ 385 miles/trip = 77.0 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 5.8                | CY              | \$337.50   | \$1,958                 | 5.8 CY @ 27 CF/CY = 155.3 CF   | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$2,208</b>          |  |   |
| <i>(Subt: Assemb 5.19.3 - 5.19.9)</i>     |                    |                 |            | <b>\$11,368</b>         | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.19.10 Decon SCA (wash)</b>           |                    |                 |            |                         | not applicable - decontamination and sampling of SCA performed & certified in 2011                     |   |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$0</b>              |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.19 AWTS (i/s form o/w sep) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate          | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|---|-----------------------------|
| 5.19.11 Decon SCA (rinse)              |                    |                 |            |                         |   |                             |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$0                     |   |                             |
|  |                    |                 |            |                         |   |                             |
| 5.19.12 Decon Water Samp/Disp          |                    |                 |            |                         |   |                             |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$0                     |   |                             |
|  |                    |                 |            |                         |   |                             |
| 5.19.13 PCB Wipe Samples               |                    |                 |            |                         |   |                             |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$0                     |   |                             |
| (Subt: Assemb 5.19.10 - 5.19.13)       |                    |                 |            | \$0                     | decontamination & sampling of SCA performed and certified in 2011 |                             |

Total Non-Super Labor Hours130.0

|                                  |      |       |          |         |  |   |
|----------------------------------|------|-------|----------|---------|--|---|
| 5.19.14 PPE Usage/H&S Planning   |      |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0  | days  | \$0.00   | \$0     | 130.0 hours @ 8 hr/day = 16.2 days @ 0% "D" days = 0.0 days                                      | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 4.1  | days  | \$9.00   | \$37    | 130.0 hours @ 8 hr/day = 16.2 days @ 25% "ModC" days = 4.1 days                                  | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 12.1 | days  | \$25.00  | \$303   | 130.0 hours @ 8 hr/day = 16.2 days @ 75% "C" days = 12.1 days                                    | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 3.25 | hours | \$75.00  | \$244   | 130.0 hours @ 2.5% hr/hr = 3.25 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |      |       |          | \$583   |  |   |
|                                  |      |       |          |         |  |   |
| 5.19.15 Supervision              |      |       |          |         | 1.0 week for closure of 1 tank   |   |
| Foreman                          | 40.0 | hours | \$65.00  | \$2,600 | 1.0 week @ 40 hrs/wk = 40.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0.0  | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |      |       |          | \$2,600 |  |   |
|                                  |      |       |          |         |  |   |
| 5.19.16 Certification            |      |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 1.95 | hours | \$130.00 | \$254   | 130.0 hours @ 0.015 hr/hr = 1.95 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 1.95 | hours | \$45.00  | \$88    | 130.0 hours @ 0.015 hr/hr = 1.95 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |      |       |          | \$341   |  |   |
| (Subt: Assemb 5.19.14 - 5.19.16) |      |       |          | \$3,524 |  |   |

|                                   |             |       |       |          |
|-----------------------------------|-------------|-------|-------|----------|
| 5.19 AWTS (i/s form o/w sep) 1 tk | Direct Cost | Total | Basic | \$15,087 |
|-----------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.19 AWTS (i/s form o/w sep) 1 tk<br>Total Cost Summary |  |                          |                   |
|---|--|--------------------------|-------------------|
| Cost Category   | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal                             |  | \$15,087                 |                   |
|   |  |                          |                   |
| Plus Indirect Costs/Profit:                             |  |                          |                   |
| Site Activity Management Costs                          | 7.00%                                    | \$1,056                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office                        | 4.00%                                    | \$603                    | note: DEC uses 4% |
| Pre-Construction Design Costs                           | 6.00%                                    | \$905                    | note: DEC uses 6% |
| Engineering During Construction                         | 2.00%                                    | \$302                    | note: DEC uses 2% |
| General Contractor Profit                               | 6.00%                                    | \$905                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal                           | 25.00%                                   | \$3,772                  |                   |
|   |  |                          |                   |
| Subt: AWTS (i/s form o/w sep) 1 t                       |  | \$18,859                 |                   |
|   |  |                          |                   |
| Plus Contingency  | 10.00%                                   | \$1,886                  | CWM and DEC 10%   |
|   |  |                          |                   |
| Tot: AWTS (i/s form o/w sep) 1 tk                       |  | \$20,745                 |                   |
|   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.20 AWTS (rmu-1 tanks) 2 tks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.20.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required              |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours                                      | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$78                    |   |   |
| (Subt: Assemb 5.20.1 - 5.20.1)         |                    |                 |            | \$78                    | tanks: T-160, T-165   |   |
|  |                    |                 |            |                         |   |   |
| 5.20.2 Onsite Aqueous Treatment        |                    |                 |            |                         | liquid waste stream pumped directly from tanks into AWTS  |   |
| Onsite Aqueous Treatment - Tanks       | 879769.0           | gals            | \$0.0178   | \$15,660                | 879769 gals   | AWTS treatment costs @ \$.0178                            |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$15,660                |   |   |
| (Subt: Assemb 5.20.2 - 5.20.2)         |                    |                 |            | \$15,660                | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.20.3 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr ; 1 CF debris per 36 sf tank area   |   |
| No. of Tanks/Capacity/Area/Weight      | 2.0                | tnks @          |            |                         | 879769 gallons: 16978 SF Tanks: 472 CF @ 490 Lb/CF = 231089 Lbs                                     | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 254.7              | hours           | \$39.00    | \$9,933                 | 16978 SF @ 200 SF/hour 84.9 hours @ 3 units/crew = 254.7 hours                                      | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 169.8              | hours           | \$45.00    | \$7,641                 | 16978 SF @ 200 SF/hour 84.9 hours @ 2 units/crew = 169.8 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 84.9               | hours           | \$84.09    | \$7,139                 | 16978 SF @ 200 SF/hour 84.9 hours @ 1 units/crew = 84.9 hours                                       | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 84.9               | hours           | \$34.40    | \$2,921                 | 16978 SF @ 200 SF/hour 84.9 hours @ 1 units/crew = 84.9 hours                                       | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 84.9               | hours           | \$2.47     | \$210                   | 16978 SF @ 200 SF/hour 84.9 hours @ 1 units/crew = 84.9 hours                                       | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 84.9               | hours           | \$30.03    | \$2,550                 | 16978 SF @ 200 SF/hour 84.9 hours @ 1 units/crew = 84.9 hours                                       | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 84.9               | hours           | \$86.31    | \$7,328                 | 16978 SF @ 200 SF/hour 84.9 hours @ 1 units/crew = 84.9 hours                                       | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 84.9               | hours           | \$5.41     | \$459                   | 16978 SF @ 200 SF/hour 84.9 hours @ 1 units/crew = 84.9 hours                                       | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$38,180                | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
|  |                    |                 |            |                         |   |   |
| 5.20.4 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
|  |                    |                 |            |                         |   |   |
| 5.20.5 Tank Piping Demolition          |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, for 2"/4" metal pipe @ 4#/LF  |   |
| Estimated Piping Length                | 200.0              | LF              |            |                         | 2 tanks @ 100 LF/tank = 200 LF @ 4 Lb/LF = 800 Lbs  | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 20.0               | hours           | \$39.00    | \$780                   | 200 LF @ 20 LF/hour 10.0 hours @ 2 units/crew = 20.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 10.0               | hours           | \$5.41     | \$54                    | 200 LF @ 20 LF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$834                   | in the absence of facility data, piping assumed to average 100 LF/tank                              |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.20 AWTS (rmu-1 tanks) 2 tks

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.20.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr assume 0.5 pumps/tank  |   |
| Laborers                                  | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$83</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|   |                    |                 |            |                         |  |   |
| <b>5.20.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; R  |   |
| Laborer                                   | 1.2                | hours           | \$39.00    | \$47                    | 18.4 CY @ 15 CY/hr = 1.2 hours @ 1 units/crew 1.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 1.2                | hours           | \$45.00    | \$54                    | 18.4 CY @ 15 CY/hr = 1.2 hours @ 1 units/crew = 1.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 1.2                | hours           | \$30.03    | \$36                    | 18.4 CY @ 15 CY/hr = 1.2 hours @ 1 units/crew = 1.2 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 1.2                | hours           | \$5.20     | \$6                     | 18.4 CY @ 15 CY/hr = 1.2 hours @ 1 units/crew 1.2 hours  | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$143</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.20.8 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>      | 118.8              | TONS            |            |                         | 18.4 CY debr + 15% kiln dust = 21.19 CY total total tonnage = 118.8 tons                               | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 15.8               | hours           | \$39.00    | \$616                   | 118.8 tons @ 15 tons/hr @ 7.9 hours @ 2 units/crew = 15.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 23.8               | hours           | \$45.00    | \$1,071                 | 118.8 tons @ 15 tons/hr @ 7.9 hours @ 3 units/crew = 23.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 7.9                | hours           | \$19.18    | \$152                   | 118.8 tons @ 15 tons/hr @ 7.9 hours @ 1 units/crew = 7.9 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 7.9                | hours           | \$14.39    | \$114                   | 118.8 tons @ 15 tons/hr @ 7.9 hours @ 1 units/crew = 7.9 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 7.9                | hours           | \$329.70   | \$2,605                 | 118.8 tons @ 15 tons/hr @ 7.9 hours @ 1 units/crew = 7.9 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 7.9                | hours           | \$136.29   | \$1,077                 | 118.8 tons @ 15 tons/hr @ 7.9 hours @ 1 units/crew = 7.9 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0.0                | tons            | \$0.00     | \$0                     | 2.8 tons   |   |
| Cement Kiln Dust - Delivery Cost          | 0.0                | loads           | \$0.00     | \$0                     | 2.8 tons @ 20 ton/load = 0.1 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 2.8                | tons            | \$48.00    | \$134                   |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.7                | units           | \$1,000.00 | \$700                   | 21.2 CYs @ 30 CY/unit = 0.7 containers   | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 5.6                | hours           | \$19.02    | \$107                   | 21.2 CYs @ 30 CY/unit = 0.7 rolloffs @ 7.9 hours/rolloff = 5.6 hours                                   | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$6,575</b>          | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.20.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 269.5              | miles           | \$3.25     | \$876                   | 21.2 CY @ 30 CY/load = 0.7 loads @ 385 miles/trip = 269.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 21.2               | CY              | \$337.50   | \$7,155                 | 21.2 CY @ 27 CF/CY = 572.3 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$8,031</b>          |  |   |
| <i>(Subt: Assemb 5.20.3 - 5.20.9)</i>     |                    |                 |            | <b>\$53,846</b>         | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.20.10 Decon SCA (wash)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 17.4               | hours           | \$39.00    | \$679                   | 1827 SF @ 105 SF/hr = 17.4 hours @ 1 pers/crew = 17.4 hours  | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 17.4               | hours           | \$4.04     | \$70                    | 1827 SF @ 105 SF/hr = 17.4 hours @ 1 unit/crew = 17.4 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 17.4               | hours           | \$3.41     | \$59                    | 1827 SF @ 105 SF/hr = 17.4 hours @ 1 unit/crew = 17.4 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$808</b>            |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.20 AWTS (rmu-1 tanks) 2 tks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                            | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.20.11 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                                | 17.4               | hours           | \$39.00    | \$679                   | 1827 SF @ 105 SF/hr = 17.4 hours @ 1 pers/crew = 17.4 hours                         | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 17.4               | hours           | \$4.04     | \$70                    | 1827 SF @ 105 SF/hr = 17.4 hours @ 1 unit/crew = 17.4 hours                         | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 17.4               | hours           | \$3.41     | \$59                    | 1827 SF @ 105 SF/hr = 17.4 hours @ 1 unit/crew = 17.4 hours                         | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$808                   |   |   |
| 5.20.12 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs                                    |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                        | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 913.5              | gal             | \$0.0313   | \$29                    | 1827 SF @ 0.5 gal/sf/wa = 913.5 gallons   | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$186                   |   |   |
| 5.20.13 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                      |   |
| Technician                             | 2.9                | hours           | \$38.00    | \$110                   | 2.9 samp @ 0.5 hr/samp = 1.5 hours @ 2 pers/crew = 2.9 hours                        | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     |   | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 2.9                | samp            | \$83.33    | \$242                   | 1827 SF @ 625 SF/samp = 2.9 samples   | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$352                   |   |   |
| (Subt: Assemb 5.20.10 - 5.20.13)       |                    |                 |            | \$2,154                 | decontamination & sampling of SCA   |   |

Total Non-Super Labor Hours 529.3

|                                  |      |       |          |         |  |   |
|----------------------------------|------|-------|----------|---------|--|---|
| 5.20.14 PPE Usage/H&S Planning   |      |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0  | days  | \$0.00   | \$0     | 529.3 hours @ 8 hr/day = 66.2 days @ 0% "D" days = 0.0 days                                      | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 16.5 | days  | \$9.00   | \$149   | 529.3 hours @ 8 hr/day = 66.2 days @ 25% "ModC" days = 16.5 days                                 | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 49.7 | days  | \$25.00  | \$1,243 | 529.3 hours @ 8 hr/day = 66.2 days @ 75% "C" days = 49.7 days                                    | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 13.2 | hours | \$75.00  | \$990   | 529.3 hours @ 2.5% hr/hr = 13.2 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |      |       |          | \$2,381 |  |   |
| 5.20.15 Supervision              |      |       |          |         | 2.0 weeks for closure of 2 tanks   |   |
| Foreman                          | 80.0 | hours | \$65.00  | \$5,200 | 2.0 weeks @ 40 hrs/wk = 80.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0.0  | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |      |       |          | \$5,200 |  |   |
| 5.20.16 Certification            |      |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 7.9  | hours | \$130.00 | \$1,027 | 529.3 hours @ 0.015 hr/hr = 7.9 hours  | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 7.9  | hours | \$45.00  | \$356   | 529.3 hours @ 0.015 hr/hr = 7.9 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |      |       |          | \$1,383 |  |   |
| (Subt: Assemb 5.20.14 - 5.20.16) |      |       |          | \$8,964 |  |   |

|                               |             |       |       |          |
|-------------------------------|-------------|-------|-------|----------|
| 5.20 AWTS (rmu-1 tanks) 2 tks | Direct Cost | Total | Basic | \$80,702 |
|-------------------------------|-------------|-------|-------|----------|



Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.20 AWTS (rmu-1 tanks) 2 tks    |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$80,702                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$5,649                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$3,228                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$4,842                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$1,614                  | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$4,842                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$20,176                 |                   |
|                                  |  |                          |                   |
| Subt: AWTS (rmu-1 tanks) 2 tks   |  | \$100,878                |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$10,088                 | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (rmu-1 tanks) 2 tks    |  | \$110,965                |                   |
|                                  |  |                          |                   |

Cost References:  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.21 AWTS (o/s leachtnkfrm) 4 tks

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                               | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.21.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required |   |
| Laborer                                | 4.0                | hours           | \$39.00    | \$156                   | 4 tanks @ 0.5 hour/tank = 2.0 hours @ 2 units/crew = 4.0 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification      |                    |                 |            | \$156                   |  |   |
| (Subt: Assemb 5.21.1 - 5.21.1)         |                    |                 |            | \$156                   | tanks: T-101, T-102, T-103, and FracTank-3   |   |
|  |                    |                 |            |                         |  |   |
| 5.21.2 Onsite Aqueous Treatment        |                    |                 |            |                         | treat unit price = \$0.0453/gal; contents pumped directly from tank into AWTS          |   |
| Onsite Aqueous Treatment - Tanks       | 350000.0           | gals            | \$0.0453   | \$15,855                | 350000 gals  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$15,855                |  |   |
| (Subt: Assemb 5.21.2 - 5.21.2)         |                    |                 |            | \$15,855                | onsite treatment of tanks' waste liquids: T-103 only                                   |   |
|  |                    |                 |            |                         |  |   |
| 5.21.3 Empty Frac Tank 3               |                    |                 |            |                         | prod'n rate = 1,650 gals/hour;   |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system   | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 12.7               | hours           | \$6.31     | \$80                    | 21000.0 gals @ 1650 gals/hr = 12.7 hours @ 1 units/crew = 12.7 hours                   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Frac Tank 3               |                    |                 |            | \$80                    |  |   |
|  |                    |                 |            |                         |  |   |
| 5.21.4 Transport Tankers Onsite        |                    |                 |            |                         | production rate = 0.5 hours for onsite travel  |   |
| Road Tractor                           | 1.9                | hours           | \$32.45    | \$62                    | 21000.0 gals @ 5500 gals/load = 3.8 loads @ 0.5 hours/trip = 1.9 hours                 | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 1.9                | hours           | \$6.31     | \$12                    | 21000.0 gals @ 5500 gals/load = 3.8 loads @ 0.5 hours/trip = 1.9 hours                 | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subtotal - Transport Tankers           |                    |                 |            | \$74                    |  |   |
|  |                    |                 |            |                         |  |   |
| 5.21.5 Empty Tankers into AWTS         |                    |                 |            |                         | prod'n rate = 1,650 gals/hour;   |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system   | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 12.7               | hours           | \$6.31     | \$80                    | 21000.0 gals @ 1650 gals/hr = 12.7 hours @ 1 units/crew = 12.7 hours                   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subtotal - Empty Tankers               |                    |                 |            | \$80                    |  |   |
| (Subt: Assemb 5.21.3 - 5.21.5)         |                    |                 |            | \$234                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.21.6 Onsite Aqueous Treatment        |                    |                 |            |                         | treat unit price = \$0.0453/gal; contents pumped directly from tank into AWTS          |   |
| Onsite Aqueous Treatment - Tanks       | 721000.0           | gals            | \$0.0453   | \$32,661                | 721000 gals  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$32,661                |  |   |
| (Subt: Assemb 5.21.6 - 5.21.6)         |                    |                 |            | \$32,661                | onsite treatment of tanks' waste liquids: T-101 and T-102 only                         |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.21 AWTS (o/s leachtnkfrm) 4 tks

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.21.7 Steel Tank Demolition</b>      |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 4.0                | <i>tnks @</i>   |            |                         | <i>1050000 gallons: 22395 SF Tanks: 622 CF @ 490 Lb/CF = 304821 Lbs</i>                                 | <i>Steel Tanks only; estimate 490#/CF</i>                 |
| Laborer                                  | 335.9              | hours           | \$39.00    | \$13,100                | 22395 SF @ 200 SF/hour 112.0 hours @ 3 units/crew = 335.9 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 224.0              | hours           | \$45.00    | \$10,080                | 22395 SF @ 200 SF/hour 112.0 hours @ 2 units/crew = 224.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 112.0              | hours           | \$84.09    | \$9,418                 | 22395 SF @ 200 SF/hour 112.0 hours @ 1 units/crew = 112.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 112.0              | hours           | \$34.40    | \$3,853                 | 22395 SF @ 200 SF/hour 112.0 hours @ 1 units/crew = 112.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 112.0              | hours           | \$2.47     | \$277                   | 22395 SF @ 200 SF/hour 112.0 hours @ 1 units/crew = 112.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 112.0              | hours           | \$30.03    | \$3,363                 | 22395 SF @ 200 SF/hour 112.0 hours @ 1 units/crew = 112.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 112.0              | hours           | \$86.31    | \$9,667                 | 22395 SF @ 200 SF/hour 112.0 hours @ 1 units/crew = 112.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 112.0              | hours           | \$5.41     | \$606                   | 22395 SF @ 200 SF/hour 112.0 hours @ 1 units/crew = 112.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition             |                    |                 |            | <b>\$50,364</b>         | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>             |   |
|  |                    |                 |            |                         |   |   |
| <b>5.21.8 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area     |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 0.0                | <i>tnks @</i>   |            |                         | <i>0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs</i>  | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | <b>\$0</b>              | <i>tank areas based u</i>   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.21.9 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF               |   |
| <i>Estimated Piping Length</i>           | 400.0              | <i>LF</i>       |            |                         | <i>4 tanks @ 100 LF/tank = 400 LF @ 4 Lb/LF = 1600 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 40.0               | hours           | \$39.00    | \$1,560                 | 400 LF @ 20 LF/hour 20.0 hours @ 2 units/crew = 40.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 20.0               | hours           | \$5.41     | \$108                   | 400 LF @ 20 LF/hour 20.0 hours @ 1 units/crew = 20.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$1,668</b>          | <i>in the absence of f rsm/up unit price = \$2.67/LF for smaller crew</i>                               |   |
|  |                    |                 |            |                         |   |   |
| <b>5.21.10 Tank Pump Demolition</b>      |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank           |   |
| Laborers                                 | 4.0                | hours           | \$39.00    | \$156                   | 2.0 pumps @ 1 pump/hr 2.0 hours @ 2 units/crew = 4.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 2.0                | hours           | \$5.41     | \$11                    | 2.0 pumps @ 1 pump/hr 2.0 hours @ 1 units/crew = 2.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | <b>\$167</b>            | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>    |   |
|  |                    |                 |            |                         |   |   |
| <b>5.21.11 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                   |   |
| Laborer                                  | 1.7                | hours           | \$39.00    | \$66                    | 25.0 CY @ 15 CY/hr = 1.7 hours @ 1 units/crew 1.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 1.7                | hours           | \$45.00    | \$77                    | 25.0 CY @ 15 CY/hr = 1.7 hours @ 1 units/crew = 1.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 1.7                | hours           | \$30.03    | \$51                    | 25.0 CY @ 15 CY/hr = 1.7 hours @ 1 units/crew = 1.7 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 1.7                | hours           | \$5.20     | \$9                     | 25.0 CY @ 15 CY/hr = 1.7 hours @ 1 units/crew 1.7 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | <b>\$203</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i>  |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.21 AWTS (o/s leachtnkfrm) 4 tks

| Basic Closure Activities: Direct Costs                            | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.21.12 Unl'd Stabilize/Encapsulate</b>                        |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| <i>PROCESS TONS (incl kiln dust)</i>                              | 157.2              | TONS            |            |                         | 25.0 CY depr + 15% kiln dust = 28.71 CY total total tonnage = 157.2 tons                             | total tons derived from foregoing assemblies + kiln dust      |
| Laborer   | 21.0               | hours           | \$39.00    | \$819                   | 157.2 tons @ 15 tons/hr @ 10.5 hours @ 2 units/crew = 21.0 hours                                     | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)                                       | 31.4               | hours           | \$45.00    | \$1,413                 | 157.2 tons @ 15 tons/hr @ 10.5 hours @ 3 units/crew = 31.4 hours                                     | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)  | 10.5               | hours           | \$19.18    | \$201                   | 157.2 tons @ 15 tons/hr @ 10.5 hours @ 1 units/crew = 10.5 hours                                     | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)  | 10.5               | hours           | \$14.39    | \$151                   | 157.2 tons @ 15 tons/hr @ 10.5 hours @ 1 units/crew = 10.5 hours                                     | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder  | 10.5               | hours           | \$329.70   | \$3,462                 | 157.2 tons @ 15 tons/hr @ 10.5 hours @ 1 units/crew = 10.5 hours                                     | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo   | 10.5               | hours           | \$136.29   | \$1,431                 | 157.2 tons @ 15 tons/hr @ 10.5 hours @ 1 units/crew = 10.5 hours                                     | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost                                     | 0.0                | tons            | \$0.00     | \$0                     | 3.7 tons   |   |
| Cement Kiln Dust - Delivery Cost                                  | 0.0                | loads           | \$0.00     | \$0                     | 3.7 tons @ 20 ton/load = 0.2 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost                                | 3.7                | tons            | \$48.00    | \$178                   |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)                                  | 1.0                | units           | \$1,000.00 | \$1,000                 | 28.7 CYs @ 30 CY/unit = 1.0 containers   | CWM actual 2011 costs   |
| Rolloffs (30-CY)  | 10.0               | hours           | \$19.02    | \$190                   | 28.7 CYs @ 30 CY/unit = 1.0 rolloffs @ 10.5 hours/rolloff = 10.0 hours                               | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate                                      |                    |                 |            | <b>\$8,845</b>          | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|   |                    |                 |            |                         |  |   |
| <b>5.21.13 Offsite T&amp;D - Tank Demo</b>                        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris                                   | 385.0              | miles           | \$3.25     | \$1,251                 | 28.7 CY @ 30 CY/load = 1.0 loads @ 385 miles/trip = 385 miles  | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris                                    | 28.7               | CY              | \$337.50   | \$9,686                 | 28.7 CY @ 27 CF/CY = 775.2 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo<br>(Subt: Assemb 5.21.7 - 5.21.13) |                    |                 |            | <b>\$10,938</b>         |  |   |
|   |                    |                 |            | <b>\$72,184</b>         | tank/piping/pump demolition, and offsite transportation & disposal (101, 102, & 103 only)            |   |
|   |                    |                 |            |                         |  |   |
| <b>5.21.14 Decon SCA (wash)</b>                                   |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer   | 194.7              | hours           | \$39.00    | \$7,593                 | 20446 SF @ 105 SF/hr = 194.7 hours @ 1 pers/crew = 194.7 hours                                       | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer   | 194.7              | hours           | \$4.04     | \$787                   | 20446 SF @ 105 SF/hr = 194.7 hours @ 1 unit/crew = 194.7 hours                                       | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper  | 194.7              | hours           | \$3.41     | \$664                   | 20446 SF @ 105 SF/hr = 194.7 hours @ 1 unit/crew = 194.7 hours                                       | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)   |                    |                 |            | <b>\$9,044</b>          |  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.21.15 Decon SCA (rinse)</b>                                  |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer   | 194.7              | hours           | \$39.00    | \$7,593                 | 20446 SF @ 105 SF/hr = 194.7 hours @ 1 pers/crew = 194.7 hours                                       | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer   | 194.7              | hours           | \$4.04     | \$787                   | 20446 SF @ 105 SF/hr = 194.7 hours @ 1 unit/crew = 194.7 hours                                       | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper  | 194.7              | hours           | \$3.41     | \$664                   | 20446 SF @ 105 SF/hr = 194.7 hours @ 1 unit/crew = 194.7 hours                                       | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)  |                    |                 |            | <b>\$9,044</b>          |  |   |
|   |                    |                 |            |                         |  |   |
| <b>5.21.16 Decon Water Samp/Disp</b>                              |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician  | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)  | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal  | 10223.0            | gal             | \$0.0313   | \$320                   | 20446 SF @ 0.5 gal/sf/wa = 10223.0 gallons   | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose                                   |                    |                 |            | <b>\$477</b>            |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.21 AWTS (o/s leachtnkfrm) 4 tks

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price   | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                         |
|---|--------------------|-----------------|--------------|-------------------------|---|---|
|   |                    |                 |              |                         |   |   |
| <b>5.21.17 PCB Wipe Samples</b>           |                    |                 |              |                         | No TCLP analyses necessary according to site-wide closure plan                                    |   |
| Technician                                | 32.7               | hours           | \$38.00      | \$1,243                 | 32.7 samp @ 0.5 hr/samp = 16.35 hours @ 2 pers/crew = 32.7 hours                                  | technician rate 2011 3rd party quote                |
| TCLP (Metals/VOCs/Semi-VOCs)              | 0.0                | samp            | \$446.67     | \$0                     |   | analytical price: average of three quotes           |
| PCB Analysis (SW 8081/8082)               | 32.7               | samp            | \$83.33      | \$2,725                 | 20446 SF @ 625 SF/samp = 32.7 samples   | analytical price: average of three quotes           |
| Subt - PCB Wipe/Destruct Samp             |                    |                 |              | <b>\$3,967</b>          |   |   |
| (Subt: Assemb 5.21.14 - 5.21.17)          |                    |                 |              | <b>\$22,532</b>         | decontamination & sampling of SCA (Tanks 101, 102, and 103 only)                                  |   |
|   |                    |                 |              |                         |   |   |
| <b>5.21.18 Frac Tank 3 Closure</b>        |                    |                 |              |                         |   |   |
| Dismantle Tank/Return to Manuf.           | 1.0                | unit            | \$6,307.28   | \$6,307                 | 21000 gals: included above in 5.21.6  | 2004 costs * implicit deflator 2004 -2010           |
| Subt - Frac Tank 3 Closure                |                    |                 |              | <b>\$6,307</b>          |   |   |
| (Subt: Assemb 5.21.18 - 5.21.18)          |                    |                 |              | <b>\$6,307</b>          | only cost here is for tank dismantling & return ; liquid treatment costs included above in 5.21.6 |   |
|   |                    |                 |              |                         |   |   |
| Total Non-Super Labor Hours 1086.9        |                    |                 |              |                         |   |   |
|   |                    |                 |              |                         |   |   |
| <b>5.21.19 PPE Usage/H&amp;S Planning</b> |                    |                 |              |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs  |   |
| PPE Usage - Level D                       | 0.0                | days            | \$0.00       | \$0                     | 1086.9 hours @ 8 hr/day = 135.9 days @ 0% "D" days = 0.0 days                                     | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                   | 34.0               | days            | \$9.00       | \$306                   | 1086.9 hours @ 8 hr/day = 135.9 days @ 25% "Mod C" days = 34.0 days                               | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                       | 101.9              | days            | \$25.00      | \$2,548                 | 1086.9 hours @ 8 hr/day = 135.9 days @ 75% "C" days = 101.9 days                                  | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                           | 27.8               | hours           | \$75.00      | \$2,085                 | 1086.9 hours @ 2.5% hr/hr = 27.8 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning             |                    |                 |              | <b>\$4,939</b>          |   |   |
|   |                    |                 |              |                         |   |   |
| <b>5.21.20 Supervision</b>                |                    |                 |              |                         | 4.0 weeks for closure of 4 tanks  |   |
| Foreman                                   | 160.0              | hours           | \$65.00      | \$10,400                | 4.0 weeks @ 40 hrs/wk = 160.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager                      | 0.0                | hours           | \$75.00      | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                       | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                    |                    |                 |              | <b>\$10,400</b>         |   |   |
|   |                    |                 |              |                         |   |   |
| <b>5.21.21 Certification</b>              |                    |                 |              |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                  |   |
| Engineer                                  | 16.3               | hours           | \$130.00     | \$2,119                 | 1086.9 hours @ 0.015 hr/hr = 16.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                  | 16.3               | hours           | \$45.00      | \$734                   | 1086.9 hours @ 0.015 hr/hr = 16.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification                   |                    |                 |              | <b>\$2,853</b>          |   |   |
| (Subt: Assemb 5.21.19 - 5.21.21)          |                    |                 |              | <b>\$18,191</b>         |   |   |
|   |                    |                 |              |                         |   |   |
| <b>5.21 AWTS (o/s leachtnkfrm) 4 tks</b>  | <b>Direct Cost</b> | <b>Total</b>    | <b>Basic</b> | <b>\$168,121</b>        |   |   |

Overall Site-Wide Closure Cost Estimate  
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|  |  |                          |                   |
|--|--|--------------------------|-------------------|
| 5.21 AWTS (o/s leachtnkfrm) 4 tks        |  |                          |                   |
| Total Cost Summary                       |  |                          |                   |
|  |  |                          |                   |
| Cost Category                            | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal              |  | \$168,121                |                   |
|  |  |                          |                   |
| Plus Indirect Costs/Profit:              |  |                          |                   |
| Site Activity Management Costs           | 7.00%                                    | \$11,768                 | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office         | 4.00%                                    | \$6,725                  | note: DEC uses 4% |
| Pre-Construction Design Costs            | 6.00%                                    | \$10,087                 | note: DEC uses 6% |
| Engineering During Construction          | 2.00%                                    | \$3,362                  | note: DEC uses 2% |
| General Contractor Profit                | 6.00%                                    | \$10,087                 | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal            | 25.00%                                   | \$42,030                 |                   |
|  |  |                          |                   |
| Subt: AWTS (o/s leachtnkfrm) 4 ts        |  | \$210,151                |                   |
|  |  |                          |                   |
| Plus Contingency                         | 10.00%                                   | \$21,015                 | CWM and DEC 10%   |
|  |  |                          |                   |
| Tot: AWTS (o/s leachtnkfrm) 4 tks- Basic |  | \$231,166                |                   |
|  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.22 AWTS (stab mix pit tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                      |   |       |         |             |  |  |
|--------------------------------------|---|-------|---------|-------------|--|--|
| <b>5.22.1 Inventory Verification</b> |   |       |         |             | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required |  |
| Laborer                              | 2 | hours | \$39.00 | \$78        | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours                         | HASP req's two: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification    |   |       |         | <b>\$78</b> |  |  |
| (Subt: Assemb 5.22.1 - 5.22.1)       |   |       |         | <b>\$78</b> | tanks: Mix Pit Tank 1 & Mix Pit Tank 2   |  |

|   |        |       |          |                 |  |   |
|---|--------|-------|----------|-----------------|--|---|
| <b>5.22.2 Stabilize Mix Pit Material</b>      |        |       |          |                 | prod'n rate = 30 tons/hour = 240 tons/day; 1 CF = 50 Lbs; 1 CY = 1,350 Lbs |   |
| PROCESS TONS (incl kiln dust)                 | 156.5  | TONS  | n/a      |                 | 40708 gals = 201.56 CY @ 0.675 ton/CY + 15% kiln dust = 156.5 tons         | 40,708 gals x 0.1337 gals/cf x 0.0374 cy/cf = 201.56 cy                                     |
| Cement Kiln Dust - Mat'l&Delv Cost            | 20.4   | tons  | \$48.00  | \$979           | 136.1 tons @ 15% kiln dust = 20.4 tons                                     | CWM actual 2011 costs   |
| Stabilization Cost                            | 136.1  | tons  | \$25.00  | \$3,403         |  | CWM actual 2011 costs inc. labor & equipment  |
| TCLP Testing - RCRA (EPA 1311)                | 2      | samp  | \$348.33 | \$697           | 2 tanks @ 1 samp/tnk = 2.0 samples   | RSM/UP p. 9-32 (33-02-1702); one sample per tank  |
| Subt - Stab Mix Pit Tank Material             |        |       |          | <b>\$5,078</b>  | stabilize mix pit tank material  |   |
|   |        |       |          |                 |  |   |
| <b>5.22.3 Load Stabilized Material</b>        |        |       |          |                 | facility include in stabilization cost                                     |   |
| Laborer                                       | 0.0    | hours | \$39.00  | \$0             | Not required   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)                   | 0.0    | hours | \$50.00  | \$0             |  | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Loader  | 0.0    | hours | \$14.39  | \$0             |  | RSM/HC p. 468 (line item 01 54 33 20 4610]  |
| Dump Trailer (20 CY)                          | 0.0    | hours | \$14.95  | \$0             |  | RSM/HC p. 469 (line item 01 54 33 20 5400]  |
| Subt - Load Stab Mix Pit Tank Mat'l           |        |       |          | <b>\$0</b>      |  |   |
|   |        |       |          |                 |  |   |
| <b>5.22.4 Offsite T&amp;D - Stab Material</b> |        |       |          |                 |  |   |
| Offsite Transportation - Solids               | 3012.6 | miles | \$3.25   | \$9,791         | 156.5 tons @ 20 tons/load = 7.8 loads @ 385 miles/trip = 3012.6 mile       | Rate: transporters quote/site experience  |
| Offsite Landfill Disposal - Solids            | 156.5  | tons  | \$133.00 | \$20,815        | 156.5 tons   | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite T&D - Stab Material            |        |       |          | <b>\$30,605</b> | offsite T&D  |   |
| (Subt: Assemb 5.22.2 - 5.22.4)                |        |       |          | <b>\$35,684</b> | onsite stabilization and offsite T&D of mix pit tank material              |   |

|                                     |      |        |         |                |   |   |
|-------------------------------------|------|--------|---------|----------------|---|---|
| <b>5.22.5 Steel Tank Demolition</b> |      |        |         |                | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 12 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight   | 2.0  | tnks @ |         |                | 40708 gallons: 4112 SF Tanks: 343 CF @ 490 Lb/CF = 167907 Lb  | Steel Tanks only; facility estimates 490#/CF              |
| Laborer                             | 61.7 | hours  | \$39.00 | \$2,406        | 4112 SF @ 200 SF/hour 20.6 hours @ 3 units/crew = 61.7 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)         | 41.1 | hours  | \$45.00 | \$1,850        | 4112 SF @ 200 SF/hour 20.6 hours @ 2 units/crew = 41.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                           | 20.6 | hours  | \$84.09 | \$1,732        | 4112 SF @ 200 SF/hour 20.6 hours @ 1 units/crew = 20.6 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320]                |
| Metal Shears Attachment             | 20.6 | hours  | \$34.40 | \$709          | 4112 SF @ 200 SF/hour 20.6 hours @ 1 units/crew = 20.6 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                     | 20.6 | hours  | \$2.47  | \$51           | 4112 SF @ 200 SF/hour 20.6 hours @ 1 units/crew = 20.6 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345]                |
| Loader                              | 20.6 | hours  | \$30.03 | \$619          | 4112 SF @ 200 SF/hour 20.6 hours @ 1 units/crew = 20.6 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730]                |
| Yard Crane                          | 20.6 | hours  | \$86.31 | \$1,778        | 4112 SF @ 200 SF/hour 20.6 hours @ 1 units/crew = 20.6 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700]                |
| Welding Equipment                   | 20.6 | hours  | \$5.41  | \$111          | 4112 SF @ 200 SF/hour 20.6 hours @ 1 units/crew = 20.6 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800]                |
| Subt - Steel Tank Demolition        |      |        |         | <b>\$9,256</b> | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|                                     |      |        |         |                |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.22 AWTS (stab mix pit tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.22.6 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area  |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons:      616 SF Tanks:      17 CF @      245 Lb/CF =      4192 Lt                             | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 9.2                | hours           | \$39.00    | \$359                   | 616 SF @      200 SF/hour      3.1 hours @      3 units/crew =      9.2 hou                          | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 6.2                | hours           | \$45.00    | \$279                   | 616 SF @      200 SF/hour      3.1 hours @      2 units/crew =      6.2 hou                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 3.1                | hours           | \$84.09    | \$261                   | 616 SF @      200 SF/hour      3.1 hours @      1 units/crew =      3.1 hou                          | RSM/HC p. 467 (line item 01 54 33 20 0320]                |
| Metal Shears Attachment                | 3.1                | hours           | \$34.40    | \$107                   | 616 SF @      200 SF/hour      3.1 hours @      1 units/crew =      3.1 hou                          | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 3.1                | hours           | \$2.47     | \$8                     | 616 SF @      200 SF/hour      3.1 hours @      1 units/crew =      3.1 hou                          | RSM/HC p. 477 (line item 01 54 33 20 0345]                |
| Loader                                 | 3.1                | hours           | \$30.03    | \$93                    | 616 SF @      200 SF/hour      3.1 hours @      1 units/crew =      3.1 hou                          | RSM/HC p. 469 (line item 01 54 33 20 4730]                |
| Yard Crane                             | 3.1                | hours           | \$86.31    | \$268                   | 616 SF @      200 SF/hour      3.1 hours @      1 units/crew =      3.1 hou                          | RSM/HC p. 474 (line item 01 54 33 60 2700]                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 616 SF @      200 SF/hour      3.1 hours @      0 units/crew =      0.0 hou                          | RSM/HC p. 473 (line item 01 54 33 40 7800]                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$1,373                 | two tank covers for mix pit tanks  |   |
|  |                    |                 |            |                         |  |   |
| 5.22.7 Tank Piping Demolition          |                    |                 |            |                         |  |   |
| Estimated Piping Length                | 0.0                | LF              | n/a        |                         |  |   |
| Laborers                               | 0.0                | hours           | \$39.00    | \$0                     |  |   |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     |  |   |
| Subt - All Tanks' Piping Demolition    | 0.0                | LF @            | n/a        | \$0                     | no piping associated with the mix pit tanks  |   |
|  |                    |                 |            |                         |  |   |
| 5.22.8 Tank Pump Demolition            |                    |                 | n/a        |                         |  |   |
| Laborers                               | 0.0                | hours           | \$39.00    | \$0                     |  |   |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     |  |   |
| Subt - All Tanks' Pump Demolition      | 0.0                | ea @            | n/a        | \$0                     | no pumps associated with the mix pit tanks   |   |
|  |                    |                 |            |                         |  |   |
| 5.22.9 Load Tank Demo Debris           |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080]                                |   |
| Laborer                                | 0.9                | hours           | \$39.00    | \$35                    | 13.3 CY @      15 CY/hr =      0.9 hours @      1 units/crew      0.9 hou                            | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.9                | hours           | \$45.00    | \$41                    | 13.3 CY @      15 CY/hr =      0.9 hours @      1 units/crew =      0.9 hou                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                 | 0.9                | hours           | \$30.03    | \$27                    | 13.3 CY @      15 CY/hr =      0.9 hours @      1 units/crew =      0.9 hou                          | RSM/HC p. 469 (line item 01 54 33 20 4730]                |
| Dump Trailer (20 CY)                   | 0.9                | hours           | \$5.20     | \$5                     | 13.3 CY @      15 CY/hr =      0.9 hours @      1 units/crew      0.9 hou                            | RSM/HC p. 469 (line item 01 54 33 20 5400]                |
| Subt - Load Tank Demo Debris           |                    |                 |            | \$107                   | 1 CY steel tank debris = to 324 SF @ 1" thick; and 1 CY FRP debris = to 972 SF @ 1/3" thick          |   |
|  |                    |                 |            |                         |  |   |
| 5.22.10 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 88.0               | TONS            | n/a        |                         | 13.3 CY debr +      15% kiln dust =      15.32 CY total      total tonnage =      88.0 ton           | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                | 11.7               | hours           | \$39.00    | \$456                   | 88.0 tons @      15 tons/hr @      5.9 hours @      2 units/crew =      11.7 hour                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 17.6               | hours           | \$45.00    | \$792                   | 88.0 tons @      15 tons/hr @      5.9 hours @      3 units/crew =      17.6 hour                    | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                         | 5.9                | hours           | \$19.18    | \$113                   | 88.0 tons @      15 tons/hr @      5.9 hours @      1 units/crew =      5.9 hou                      | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                   | 5.9                | hours           | \$14.39    | \$85                    | 88.0 tons @      15 tons/hr @      5.9 hours @      1 units/crew =      5.9 hou                      | RSM/HC p. 468 (line item 01 54 33 20 4610]                |
| Shredder                               | 5.9                | hours           | \$329.70   | \$1,945                 | 88.0 tons @      15 tons/hr @      5.9 hours @      1 units/crew =      5.9 hou                      | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo              | 5.9                | hours           | \$136.29   | \$804                   | 88.0 tons @      15 tons/hr @      5.9 hours @      1 units/crew =      5.9 hou                      | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost          | 2.0                | tons            | \$0.00     | \$0                     | 2.0 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 2.0                | loads           | \$0.00     | \$0                     | 2.0 tons @      20 ton/load =      0.1 load:   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 2.0                | tons            | \$48.00    | \$96                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)       | 0.5                | units           | \$1,000.00 | \$500                   | 15.3 CYs @      30 CY/unit =      0.5 container:   | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                       | 3.0                | hours           | \$19.02    | \$57                    | 15.3 CYs @      30 CY/unit =      0.5 rolloffs @      5.9 hours/rolloff =      3.0 hour              | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate           |                    |                 |            | \$4,849                 | 1 CY steel tank debris = to 324 SF @ 1" thick; and 1 CY FRP debris = to 972 SF @ 1/3" thick          |   |
|  |                    |                 |            |                         |  |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.22 AWTS (stab mix pit tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Bas of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                 |       |       |          |          |  |  |
|---------------------------------|-------|-------|----------|----------|--|--|
| 5.22.11 Offsite T&D - Tank Demo |       |       |          |          | offsite disposal is determined to be the only disposal option      |  |
| Offsite Transportation - Debris | 192.5 | miles | \$3.25   | \$626    | 15.3 CY @ 30 CY/load = 0.5 loads @ 385 miles/trip = 192.5 mile     | Rate: transporters quote/site experience   |
| Offsite Disposal - Tank Debris  | 15.3  | CY    | \$337.50 | \$5,164  | 15.3 CY @ 27 CF/CY = 413.7 C                                       | DEC 2004 Estimate accounting for inflation |
| Subt - Offsite T&D - Tank Demo  |       |       |          | \$5,789  |  |  |
| (Subt: Assemb 5.22.5 - 5.22.11) |       |       |          | \$21,375 | tank/piping/pump demolition, and offsite transportation & disposal |  |

|                                  |      |       |          |         |   |   |
|----------------------------------|------|-------|----------|---------|---|---|
| 5.22.12 Decon SCA (wash)         |      |       |          |         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                          | 19.6 | hours | \$39.00  | \$764   | 2056 SF @ 105 SF/hr = 19.6 hours @ 1 unit/crew = 19.6 hours                         | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                  | 19.6 | hours | \$4.04   | \$79    | 2056 SF @ 105 SF/hr = 19.6 hours @ 1 unit/crew = 19.6 hours                         | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                   | 19.6 | hours | \$3.41   | \$67    | 2056 SF @ 105 SF/hr = 19.6 hours @ 1 unit/crew = 19.6 hours                         | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)          |      |       |          | \$910   |   |   |
|                                  |      |       |          |         |   |   |
| 5.22.13 Decon SCA (rinse)        |      |       |          |         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                          | 19.6 | hours | \$39.00  | \$764   | 2056 SF @ 105 SF/hr = 19.6 hours @ 1 unit/crew = 19.6 hours                         | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                  | 19.6 | hours | \$4.04   | \$79    | 2056 SF @ 105 SF/hr = 19.6 hours @ 1 unit/crew = 19.6 hours                         | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                   | 19.6 | hours | \$3.41   | \$67    | 2056 SF @ 105 SF/hr = 19.6 hours @ 1 unit/crew = 19.6 hours                         | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)         |      |       |          | \$910   |   |   |
|                                  |      |       |          |         |   |   |
| 5.22.14 Decon Water Samp/Disp    |      |       |          |         | production rate = 0.5 hours/sample for two techs                                    |   |
| Technician                       | 1.1  | hours | \$38.00  | \$42    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hour                         | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)           | 1.1  | samp  | \$105.00 | \$116   | 1.0 areas @ 1.1 samp/area = 1.1 sample  | analytical price: average of three quotes                     |
| On-site Water Disposal           | 8224 | gal   | \$0.0313 | \$257   | 2056 SF @ 2.4 gal/sf/wa = 4934 gallons + 1.6 gal/sf/rinse = 3290 gallon             | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose  |      |       |          | \$415   |   |   |
|                                  |      |       |          |         |   |   |
| 5.22.15 PCB Wipe Samples         |      |       |          |         | No TCLP analyses necessary according to site-wide closure plan                      |   |
| Technician                       | 3.3  | hours | \$38.00  | \$125   | 3.3 samp @ 0.5 hr/samp = 1.65 hours @ 2 pers/crew = 3.3 hour                        | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)     | 0    | samp  | \$446.67 | \$0     |   | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)      | 3.3  | samp  | \$83.33  | \$275   | 2056 SF @ 625 SF/samp = 3.3 sample  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp    |      |       |          | \$400   |   |   |
| (Subt: Assemb 5.22.12 - 5.22.15) |      |       |          | \$2,636 | decontamination & sampling of SCA   |   |

Total Non-Super Labor Hours 194.9

|                                |      |       |         |         |  |   |
|--------------------------------|------|-------|---------|---------|--|---|
| 5.22.16 PPE Usage/H&S Planning |      |       |         |         | Level C @ 75%; Level D @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D            | 0.0  | days  | \$0.00  | \$0     | 194.9 hours @ 8 hr/day = 24.4 days @ 0% "D" days = 0.0 days                                  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C        | 6.1  | days  | \$9.00  | \$55    | 194.9 hours @ 8 hr/day = 24.4 days @ 25% "Mod C" days = 6.1 days                             | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C            | 18.3 | days  | \$25.00 | \$458   | 194.9 hours @ 8 hr/day = 24.4 days @ 75% "C" days = 18.3 days                                | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                | 4.9  | hours | \$75.00 | \$368   | 194.9 hours @ 2.5% hr/hr = 4.9 hours   | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning  |      |       |         | \$880   |  |   |
|                                |      |       |         |         |  |   |
| 5.22.17 Supervision            |      |       |         |         | 1.0 weeks for closure of 4 tanks   |   |
| Foreman                        | 40   | hours | \$65.00 | \$2,600 | 1.0 weeks @ 40 hrs/wk = 40.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager           | 0    | hours | \$75.00 | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision         |      |       |         | \$2,600 |  |   |
|                                |      |       |         |         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.22 AWTS (stab mix pit tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                  |     |       |          |         |  |                                     |
|----------------------------------|-----|-------|----------|---------|--|-------------------------------------|
| 5.22.18 Certification            |     |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |                                     |
| Engineer                         | 2.9 | hours | \$130.00 | \$377   | 194.9 hours @ 0.015 hr/hr = 2.9 hours  | Engineer rate: 2011 3rd party quote |
| Clerical                         | 2.9 | hours | \$45.00  | \$131   | 194.9 hours @ 0.015 hr/hr = 2.9 hours  | Clerical rate: 2011 3rd party quote |
| Subtotal - Certification         |     |       |          | \$508   |  |                                     |
| (Subt: Assemb 5.22.16 - 5.22.18) |     |       |          | \$3,987 |  |                                     |

|                                |             |       |       |          |
|--------------------------------|-------------|-------|-------|----------|
| 5.22 AWTS (stab mix pit tanks) | Direct Cost | Total | Basic | \$63,760 |
|--------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.22 AWTS (stab mix pit tanks)   |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$63,760                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$4,463                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$2,550                  | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$3,826                  | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$1,275                  | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$3,826                  | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$15,940                 |                   |
|                                  |  |                          |                   |
| Subt: AWTS (stab mix pit tanks)  |  | \$79,700                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$7,970                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (stab mix pit tanks)   |  | \$87,670                 |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.23 AWTS (stab aqueous tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                                | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.23.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours                          | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$78                    |   |   |
| (Subt: Assemb 5.23.1 - 5.23.1)         |                    |                 |            | \$78                    | tanks: TA-1 & TA-2  |   |
|  |                    |                 |            |                         |   |   |
| 5.23.2 Empty Tanks TA-1/TA-2           |                    |                 |            |                         | production rate = 1,650 gals/hr; RSM/UP p. 9-171 (line item 33-19-0101)                 |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 24.2               | hours           | \$6.31     | \$153                   | 40000 gals @ 1650 gals/hr = 24.2 hours @ 1 units/crew = 24.2 hours                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanks                     |                    |                 |            | \$153                   |   |   |
|  |                    |                 |            |                         |   |   |
| 5.23.3 Transport Tankers Onsite        |                    |                 |            |                         | production rate = 0.5 hours for onsite travel   |   |
| Road Tractor (4 x 2, 30-ton)           | 3.6                | hours           | \$32.45    | \$117                   | 40000 gals @ 5500 gals/load = 7.3 loads @ 0.5 hrs/trip = 3.6 hours                      | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 3.6                | hours           | \$6.31     | \$23                    | 40000 gals @ 5500 gals/load = 7.3 loads @ 0.5 hrs/trip = 3.6 hours                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Transport Tankers Onsite        |                    |                 |            | \$140                   |   |   |
|  |                    |                 |            |                         |   |   |
| 5.23.4 Empty Tankers                   |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs; rate same as facility's               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 24.2               | hours           | \$6.31     | \$153                   | 40000 gals @ 1650 gals/hr = 24.2 hours @ 1 units/crew = 24.2 hours                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tankers                   |                    |                 |            | \$153                   |   |   |
| (Subt: Assemb 5.23.2 - 5.23.4)         |                    |                 |            | \$445                   |   |   |
|  |                    |                 |            |                         |   |   |
| 5.23.5 Onsite Aqueous Treatment        |                    |                 |            |                         | mildly-contaminated liquid wastes   |   |
| Onsite Aqueous Treatment - Tanks       | 40000.0            | gals            | \$0.0313   | \$1,252                 | 40000 gals  | AWTS site waters waste treat price                        |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$1,252                 |   |   |
| (Subt: Assemb 5.23.5 - 5.23.5)         |                    |                 |            | \$1,252                 | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.23.6 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr ; 1 CF debris per 36 sf tank area                               |   |
| No. of Tanks/Capacity/Area/Weight      | 2.0                | tnks @          |            |                         | 40000 gallons: 2112 SF Tanks: 59 CF @ 490 Lb/CF = 28747 Lbs                             | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 31.7               | hours           | \$39.00    | \$1,236                 | 2112 SF @ 200 SF/hour 10.6 hours @ 3 units/crew = 31.7 hours                            | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 21.1               | hours           | \$45.00    | \$950                   | 2112 SF @ 200 SF/hour 10.6 hours @ 2 units/crew = 21.1 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 10.6               | hours           | \$84.09    | \$891                   | 2112 SF @ 200 SF/hour 10.6 hours @ 1 units/crew = 10.6 hours                            | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 10.6               | hours           | \$34.40    | \$365                   | 2112 SF @ 200 SF/hour 10.6 hours @ 1 units/crew = 10.6 hours                            | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 10.6               | hours           | \$2.47     | \$26                    | 2112 SF @ 200 SF/hour 10.6 hours @ 1 units/crew = 10.6 hours                            | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 10.6               | hours           | \$30.03    | \$318                   | 2112 SF @ 200 SF/hour 10.6 hours @ 1 units/crew = 10.6 hours                            | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 10.6               | hours           | \$86.31    | \$915                   | 2112 SF @ 200 SF/hour 10.6 hours @ 1 units/crew = 10.6 hours                            | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 10.6               | hours           | \$5.41     | \$57                    | 2112 SF @ 200 SF/hour 10.6 hours @ 1 units/crew = 10.6 hours                            | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$4,759                 | tank areas based u  |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.23 AWTS (stab aqueous tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.23.7 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$0                     | tank areas based u  |   |
| 5.23.8 Tank Piping Demolition          |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, for 2"/4" metal pipe @ 4#/LF  |   |
| Estimated Piping Length                | 200.0              | LF              |            |                         | 2 tanks @ 100 LF/tank = 200 LF @ 4 Lb/LF = 800 Lbs  | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 20.0               | hours           | \$39.00    | \$780                   | 200 LF @ 20 LF/hour 10.0 hours @ 2 units/crew = 20.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 10.0               | hours           | \$5.41     | \$54                    | 200 LF @ 20 LF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$834                   | in the absense of f   |   |
| 5.23.9 Tank Pump Demolition            |                    |                 |            |                         | prod'n rate = 1 pump/hr assume 0.5 pumps/tank   |   |
| Laborers                               | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition      |                    |                 |            | \$83                    | pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated       |   |
| 5.23.10 Load Tank Demo Debris          |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                               |   |
| Laborer                                | 0.2                | hours           | \$39.00    | \$8                     | 3.1 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew 0.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.2                | hours           | \$45.00    | \$9                     | 3.1 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew = 0.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                 | 0.2                | hours           | \$30.03    | \$6                     | 3.1 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew = 0.2 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                   | 0.2                | hours           | \$5.20     | \$1                     | 3.1 CY @ 15 CY/hr = 0.2 hours @ 1 units/crew 0.2 hours  | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris           |                    |                 |            | \$24                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps     |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.23 AWTS (stab aqueous tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.23.11 Unl'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 15.4               | TONS            |            |                         | 3.1 CY depr + 15% kiln dust = 3.61 CY total total tonnage = 15.4 tons                                | total tons derived from foregoing assemblies + kiln dust      |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 15.4 tons @ 15 tons/hr @ 1.0 hours @ 2 units/crew = 2.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)            | 3.1                | hours           | \$45.00    | \$140                   | 15.4 tons @ 15 tons/hr @ 1.0 hours @ 3 units/crew = 3.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)                         | 1.0                | hours           | \$19.18    | \$19                    | 15.4 tons @ 15 tons/hr @ 1.0 hours @ 1 units/crew = 1.0 hours  | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)                   | 1.0                | hours           | \$14.39    | \$14                    | 15.4 tons @ 15 tons/hr @ 1.0 hours @ 1 units/crew = 1.0 hours  | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder                               | 1.0                | hours           | \$329.70   | \$330                   | 15.4 tons @ 15 tons/hr @ 1.0 hours @ 1 units/crew = 1.0 hours  | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo              | 1.0                | hours           | \$136.29   | \$136                   | 15.4 tons @ 15 tons/hr @ 1.0 hours @ 1 units/crew = 1.0 hours  | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost          | 0.0                | tons            | \$0.00     | \$0                     | 0.5 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 0.0                | loads           | \$0.00     | \$0                     | 0.5 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.5                | tons            | \$48.00    | \$24                    |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)       | 0.1                | units           | \$1,000.00 | \$100                   | 3.6 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                       | 0.1                | hours           | \$19.02    | \$2                     | 3.6 CYs @ 30 CY/unit = 0.1 rolloffs @ 1.0 hours/rolloff = 0.1 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate           |                    |                 |            | \$843                   | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
| 5.23.12 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 38.5               | miles           | \$3.25     | \$125                   | 3.6 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris         | 3.6                | CY              | \$337.50   | \$1,215                 | 3.6 CY @ 27 CF/CY = 97.4 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$1,340                 |  |   |
| (Subt: Assemb 5.23.6 - 5.23.12)        |                    |                 |            | \$7,883                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
| 5.23.13 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 23.0               | hours           | \$39.00    | \$897                   | 2411 SF @ 105 SF/hr = 23.0 hours @ 1 pers/crew = 23.0 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 23.0               | hours           | \$4.04     | \$93                    | 2411 SF @ 105 SF/hr = 23.0 hours @ 1 unit/crew = 23.0 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 23.0               | hours           | \$3.41     | \$78                    | 2411 SF @ 105 SF/hr = 23.0 hours @ 1 unit/crew = 23.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$1,068                 |  |   |
| 5.23.14 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                | 23.0               | hours           | \$39.00    | \$897                   | 2411 SF @ 105 SF/hr = 23.0 hours @ 1 pers/crew = 23.0 hours  | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 23.0               | hours           | \$4.04     | \$93                    | 2411 SF @ 105 SF/hr = 23.0 hours @ 1 unit/crew = 23.0 hours  | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 23.0               | hours           | \$3.41     | \$78                    | 2411 SF @ 105 SF/hr = 23.0 hours @ 1 unit/crew = 23.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$1,068                 |  |   |
| 5.23.15 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 2205.5             | gal             | \$0.0313   | \$69                    | 2411 SF @ 0.5 gal/sf/wa = 2205.5 gallons   | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$226                   |  |   |

Overall Site-Wide Closure Cost Estimate  
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5.23 AWTS (stab aqueous tanks)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|
|--|--------------------|-----------------|------------|-------------------------|--|-----------------------------|

|                                  |     |       |          |         |  |   |
|----------------------------------|-----|-------|----------|---------|--|---|
| 5.23.16 PCB Wipe Samples         |     |       |          |         | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                       | 3.9 | hours | \$38.00  | \$148   | 3.9 samp @ 0.5 hr/samp = 1.95 hours @ 2 pers/crew = 3.9 hours  | technician rate 2011 3rd party quote      |
| TCLP (Metals/VOCs/Semi-VOCs)     | 0.0 | samp  | \$446.67 | \$0     |  | analytical price: average of three quotes |
| PCB Analysis (SW 8081/8082)      | 3.9 | samp  | \$83.33  | \$325   | 2411 SF @ 625 SF/samp = 3.9 samples                            | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp    |     |       |          | \$473   |  |   |
| (Subt: Assemb 5.23.13 - 5.23.16) |     |       |          | \$2,836 | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 133.3

|                                  |      |       |          |         |  |   |
|----------------------------------|------|-------|----------|---------|--|---|
| 5.23.17 PPE Usage/H&S Planning   |      |       |          |         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0  | days  | \$0.00   | \$0     | 133.3 hours @ 8 hr/day = 16.7 days @ 0% "D" days = 0.0 days                                      | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 4.2  | days  | \$9.00   | \$38    | 133.3 hours @ 8 hr/day = 16.7 days @ 25% "Mod C" days = 4.2 days                                 | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 12.5 | days  | \$25.00  | \$313   | 133.3 hours @ 8 hr/day = 16.7 days @ 75% "C" days = 12.5 days                                    | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 3.3  | hours | \$75.00  | \$248   | 133.3 hours @ 2.5% hr/hr = 3.3 hours   | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |      |       |          | \$598   |  |   |
| 5.23.18 Supervision              |      |       |          |         | 0.6 weeks supervisory time for closure of 2 tanks  |   |
| Foreman                          | 24.0 | hours | \$65.00  | \$1,560 | 0.6 weeks @ 40 hrs/wk = 24.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager             | 0.0  | hours | \$75.00  | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |      |       |          | \$1,560 |  |   |
| 5.23.19 Certification            |      |       |          |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 2.0  | hours | \$130.00 | \$260   | 133.3 hours @ 0.015 hr/hr = 2.0 hours  | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 2.0  | hours | \$45.00  | \$90    | 133.3 hours @ 0.015 hr/hr = 2.0 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |      |       |          | \$350   |  |   |
| (Subt: Assemb 5.23.17 - 5.23.19) |      |       |          | \$2,508 |  |   |

|                                |             |       |       |          |
|--------------------------------|-------------|-------|-------|----------|
| 5.23 AWTS (stab aqueous tanks) | Direct Cost | Total | Basic | \$15,002 |
|--------------------------------|-------------|-------|-------|----------|

Overall Site-Wide Closure Cost Estimate  
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| 5.23 AWTS (stab aqueous tanks)   |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$15,002                 |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$1,050                  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$600                    | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$900                    | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$300                    | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$900                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$3,750                  |                   |
|                                  |  |                          |                   |
| Subt: AWTS (stab acqueous tnks)  |  | \$18,752                 |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$1,875                  | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (stab acqueous tanks)  |  | \$20,628                 |                   |
|                                  |  |                          |                   |

Cost References:  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)



Overall Site-Wide Closure Cost Estimate  
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5.24 AWTS (i/s trk wash bld) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                               | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.24.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours                         | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |  |   |
| (Subt: Assemb 5.24.1 - 5.24.1)         |                    |                 |            | \$39                    | tank: T-120  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.2 Empty Tank T-120                |                    |                 |            |                         | production rate = 1,650 gals/hr; RSM/UP p. 9-171 (33-19-0101)                          |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system   | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 1.0                | hours           | \$6.31     | \$6                     | 1650 gals @ 1650 gals/hr = 1.0 hours @ 1 units/crew = 1.0 hours                        | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank T-120                |                    |                 |            | \$6                     |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.3 Transport Tanker Onsite         |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite travel                                     |   |
| Road Tractor                           | 0.2                | hours           | \$32.45    | \$6                     | 1650 gals @ 5500 gals/load = 0.3 loads @ 0.5 hours/trip = 0.2 hours                    | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.2                | hours           | \$6.31     | \$1                     | 1650 gals @ 5500 gals/load = 0.3 loads @ 0.5 hours/trip = 0.2 hours                    | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Tanker Transport         |                    |                 |            | \$8                     |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.4 Empty Tanker                    |                    |                 |            |                         | production rate = 1,650 gals/hr; RSM/UP p. 9-171 (33-19-0101)                          |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system   | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 1.0                | hours           | \$6.31     | \$6                     | 1650.0 gals @ 1650 gals/hr = 1.0 hours @ 1 units/crew = 1.0 hours                      | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty tanker                    |                    |                 |            | \$6                     |  |   |
| (Subt: Assemb 5.24.2 - 5.24.4)         |                    |                 |            | \$20                    |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.5 Onsite Aqueous Treatment        |                    |                 |            |                         | unit price = \$0.0453/gal; contents pumped to tankers labor & equip. in Assem. 13.0    |   |
| Onsite Aqueous Treatment - Tanks       | 1650.0             | gals            | \$0.0453   | \$75                    | 1650 gals  | AWTS average cost for all wastewater                      |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$75                    |  |   |
| (Subt: Assemb 5.24.5 - 5.24.5)         |                    |                 |            | \$75                    | onsite treatment of tanks' waste liquids   |   |
|  |                    |                 |            |                         |  |   |
| 5.24.6 Steel Tank Demolition           |                    |                 |            |                         | prod'n rate = 200 SF/hr ; 1 CF debris per 36 sf tank area                              |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 490 Lb/CF = 0 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours                                | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours                                | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours                                | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours                                | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours                                | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours                                | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours                                | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours                                | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5   |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.24 AWTS (i/s trk wash bld) 1 tnk

| Basic Closure Activities: Direct Costs      | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
|   |                    |                 |            |                         |  |   |
| <b>5.24.7 FRP Tank Demolition</b>           |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i>    | 1.0                | <i>tnks @</i>   |            |                         | <i>1650 gallons: 246 SF Tanks: 7 CF @ 245 Lb/CF = 1674 Lbs</i>   | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                     | 3.7                | hours           | \$39.00    | \$144                   | 246 SF @ 200 SF/hour 1.2 hours @ 3 units/crew = 3.7 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)                 | 2.5                | hours           | \$45.00    | \$113                   | 246 SF @ 200 SF/hour 1.2 hours @ 2 units/crew = 2.5 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                   | 1.2                | hours           | \$84.09    | \$101                   | 246 SF @ 200 SF/hour 1.2 hours @ 1 units/crew = 1.2 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                     | 1.2                | hours           | \$34.40    | \$41                    | 246 SF @ 200 SF/hour 1.2 hours @ 1 units/crew = 1.2 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                             | 1.2                | hours           | \$2.47     | \$3                     | 246 SF @ 200 SF/hour 1.2 hours @ 1 units/crew = 1.2 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                      | 1.2                | hours           | \$30.03    | \$36                    | 246 SF @ 200 SF/hour 1.2 hours @ 1 units/crew = 1.2 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                                  | 1.2                | hours           | \$86.31    | \$104                   | 246 SF @ 200 SF/hour 1.2 hours @ 1 units/crew = 1.2 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                           | 0.0                | hours           | \$5.41     | \$0                     | 246 SF @ 200 SF/hour 1.2 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition                  |                    |                 |            | <b>\$542</b>            | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
|   |                    |                 |            |                         |  |   |
| <b>5.24.8 Tank Piping Demolition</b>        |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, for 2"/4" metal pipe @ 4#/LF   |   |
| <i>Estimated Piping Length</i>              | 100.0              | <i>LF</i>       |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                    | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                           | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition         |                    |                 |            | <b>\$417</b>            | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.24.9 Tank Pump Demolition</b>          |                    |                 |            |                         | prod'n rate = 1 pump/hr assume 0.5 pumps/tank  |   |
| Laborers                                    | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                           | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition           |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|   |                    |                 |            |                         |  |   |
| <b>5.24.10 Load Tank Demo Debris</b>        |                    |                 |            |                         | production rate = 15 CY/hour;  |   |
| Laborer                                     | 0.05               | hours           | \$39.00    | \$2                     | 0.7 CY @ 15 CY/hr = 0.05 hours @ 1 units/crew = 0.05 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)                 | 0.05               | hours           | \$45.00    | \$2                     | 0.7 CY @ 15 CY/hr = 0.05 hours @ 1 units/crew = 0.05 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                      | 0.05               | hours           | \$30.03    | \$2                     | 0.7 CY @ 15 CY/hr = 0.05 hours @ 1 units/crew = 0.05 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                        | 0.05               | hours           | \$5.20     | \$0                     | 0.7 CY @ 15 CY/hr = 0.05 hours @ 1 units/crew = 0.05 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris                |                    |                 |            | <b>\$6</b>              | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.24.11 Un'l'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| <i>PROCESS TONS (incl kiln dust)</i>        | 1.2                | <i>TONS</i>     |            |                         | 0.7 CY debr + 15% kiln dust = 0.84 CY total total tonnage = 1.2 tons                                   | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                     | 0.2                | hours           | \$39.00    | \$8                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)                 | 0.2                | hours           | \$45.00    | \$9                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                              | 0.1                | hours           | \$19.18    | \$2                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                        | 0.1                | hours           | \$14.39    | \$1                     | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                    | 0.1                | hours           | \$329.70   | \$33                    | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                   | 0.1                | hours           | \$136.29   | \$14                    | 1.2 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost               | 0.0                | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost            | 0.0                | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost          | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)            | 0.0                | units           | \$1,000.00 | \$27                    | 0.8 CYs @ 30 CY/unit = 0.0267 containers   | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                            | 0.027              | hours           | \$19.02    | \$1                     | 0.8 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate                |                    |                 |            | <b>\$99</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
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5.24 AWTS (i/s trk wash bld) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.24.12 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option                                    |   |
| Offsite Transportation - Debris        | 38.5               | miles           | \$3.25     | \$125                   | 0.8 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 38.5 miles                                    | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris         | 0.8                | CY              | \$337.50   | \$270                   | 0.8 CY @ 27 CF/CY = 22.8 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$395                   |  |   |
| (Subt: Assemb 5.24.6 - 5.24.12)        |                    |                 |            | \$1,500                 | tank/piping/pump demolition, and offsite transportation & disposal                               |   |
|  |                    |                 |            |                         |  |   |
| 5.24.13 Decon SCA (wash)               |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience              |   |
| Laborer                                | 1.7                | hours           | \$39.00    | \$66                    | 175 SF @ 105 SF/hr = 1.7 hours @ 1 pers/crew = 1.7 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 1.7                | hours           | \$4.04     | \$7                     | 175 SF @ 105 SF/hr = 1.7 hours @ 1 unit/crew = 1.7 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 1.7                | hours           | \$3.41     | \$6                     | 175 SF @ 105 SF/hr = 1.7 hours @ 1 unit/crew = 1.7 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                |                    |                 |            | \$79                    |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.14 Decon SCA (rinse)              |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience              |   |
| Laborer                                | 1.7                | hours           | \$39.00    | \$66                    | 175 SF @ 105 SF/hr = 1.7 hours @ 1 pers/crew = 1.7 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                        | 1.7                | hours           | \$4.04     | \$7                     | 175 SF @ 105 SF/hr = 1.7 hours @ 1 unit/crew = 1.7 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                         | 1.7                | hours           | \$3.41     | \$6                     | 175 SF @ 105 SF/hr = 1.7 hours @ 1 unit/crew = 1.7 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$79                    |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.15 Decon Water Samp/Disp          |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                                     | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                 | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                 | 87.5               | gal             | \$0.0313   | \$3                     | 175 SF @ 2.4 gal/sf/wa = 87.5 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$160                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.16 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                                   |   |
| Technician                             | 0.3                | hours           | \$38.00    | \$11                    | 0.3 samp @ 0.5 hr/samp = 0.15 hours @ 2 pers/crew = 0.3 hours                                    | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)            | 0.3                | samp            | \$83.33    | \$25                    | 175 SF @ 625 SF/samp = 0.3 samples   | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$36                    |  |   |
| (Subt: Assemb 5.24.13 - 5.24.16)       |                    |                 |            | \$354                   | decontamination & sampling of SCA  |   |
|  |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours 23.5       |                    |                 |            |                         |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.17 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | 23.5 hours @ 8 hr/day = 2.9 days @ 0% "D" days = 1.0 days  | Standard Work Clothes - Site Experience                       |
| PPE Usage - Mod Level C                | 0.7                | days            | \$9.00     | \$6                     | 23.5 hours @ 8 hr/day = 2.9 days @ 25% "Mod C" days = 0.7 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day)           |
| PPE Usage - Level C                    | 2.2                | days            | \$25.00    | \$55                    | 23.5 hours @ 8 hr/day = 2.9 days @ 75% "C" days = 2.2 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)              |
| Safety Engineer                        | 0.6                | hours           | \$75.00    | \$45                    | 23.5 hours @ 2.5 hr/hr = 0.6 hours   | Safety Eng Rate: rate 2011 3rd party quote                    |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$106                   |  |   |
|  |                    |                 |            |                         |  |   |
| 5.24.18 Supervision                    |                    |                 |            |                         | 0.2 weeks supervisory time for closure of 1 tanks  |   |
| Foreman                                | 8.0                | hours           | \$65.00    | \$520                   | 0.2 weeks @ 40 hrs/wk = 8.0 hours  | Outside foreman rate: 2011 3rd party quote                    |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote                       |
| Subtotal - Supervision                 |                    |                 |            | \$520                   |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.24 AWTS (i/s trk wash bld) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References         |
|--|--------------------|-----------------|------------|-------------------------|--|-------------------------------------|
| 5.24.19 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |                                     |
| Engineer                               | 0.4                | hours           | \$130.00   | \$52                    | 23.5 hours @ 0.015 hr/hr = 0.4 hours   | Engineer rate: 2011 3rd party quote |
| Clerical                               | 0.4                | hours           | \$45.00    | \$18                    | 23.5 hours @ 0.015 hr/hr = 0.4 hours   | Clerical rate: 2011 3rd party quote |
| Subtotal -Certification                |                    |                 |            | \$70                    |  |                                     |
| (Subt: Assemb 5.24.17 - 5.24.19)       |                    |                 |            | \$696                   |  |                                     |

|                                    |             |       |       |         |
|------------------------------------|-------------|-------|-------|---------|
| 5.24 AWTS (i/s trk wash bld) 1 tnk | Direct Cost | Total | Basic | \$2,685 |
|------------------------------------|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.24 AWTS (i/s trk wash bld) 1 tnk |  |                          |                   |
|------------------------------------|--|--------------------------|-------------------|
| Total Cost Summary                 |  |                          |                   |
|                                    |  |                          |                   |
| Cost Category                      | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal        |  | \$2,685                  |                   |
|                                    |  |                          |                   |
| Plus Indirect Costs/Profit:        |  |                          |                   |
| Site Activity Management Costs     | 7.00%                                    | \$188                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office   | 4.00%                                    | \$107                    | note: DEC uses 4% |
| Pre-Construction Design Costs      | 6.00%                                    | \$161                    | note: DEC uses 6% |
| Engineering During Construction    | 2.00%                                    | \$54                     | note: DEC uses 2% |
| General Contractor Profit          | 6.00%                                    | \$161                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal      | 25.00%                                   | \$671                    |                   |
|                                    |  |                          |                   |
| Subt: AWTS (i/s trk wash bld) 1 tk |  | \$3,356                  |                   |
|                                    |  |                          |                   |
| Plus Contingency                   | 10.00%                                   | \$336                    | CWM and DEC 10%   |
|                                    |  |                          |                   |
| Tot: AWTS (i/s trk wash bld) 1 tks |  | \$3,692                  |                   |
|                                    |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.25 AWTS (i/s A wst awt bld) 2 tk

| Basic Closure Activities Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.25.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required             |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$78                    | 2 tanks @ 0.5 hour/tank = 1.0 hours @ 2 units/crew = 2.0 hours                                      | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | <b>\$78</b>             |   |   |
| (Subt: Assemb 5.25.1 - 5.25.1)         |                    |                 |            | <b>\$78</b>             | tanks: T-8001 & T-8002  |   |
| <b>5.25.2 Onsite Aqueous Treatment</b> |                    |                 |            |                         | liquid wastes pumped directly from tanks into AWTS  |   |
| Onsite Aqueous Treatment - Tanks       | 5550.0             | gals            | \$0.1526   | \$847                   | 5550 gals   | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | <b>\$847</b>            |   |   |
| (Subt: Assemb 5.25.2 - 5.25.2)         |                    |                 |            | <b>\$847</b>            | onsite treatment of tanks' waste liquids  |   |
| <b>5.25.3 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr ; 1 CF debris per 36 sf tank area   |   |
| No. of Tanks/Capacity/Area/Weight      | 1.0                | tnks @          |            | n/a                     | 5000 gallons: 427 SF Tanks: 12 CF @ 490 Lb/CF = 5812 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 6.4                | hours           | \$39.00    | \$250                   | 427 SF @ 200 SF/hour 2.1 hours @ 3 units/crew = 6.4 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 4.3                | hours           | \$45.00    | \$194                   | 427 SF @ 200 SF/hour 2.1 hours @ 2 units/crew = 4.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 2.1                | hours           | \$84.09    | \$177                   | 427 SF @ 200 SF/hour 2.1 hours @ 1 units/crew = 2.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 2.1                | hours           | \$34.40    | \$72                    | 427 SF @ 200 SF/hour 2.1 hours @ 1 units/crew = 2.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 2.1                | hours           | \$2.47     | \$5                     | 427 SF @ 200 SF/hour 2.1 hours @ 1 units/crew = 2.1 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 2.1                | hours           | \$30.03    | \$63                    | 427 SF @ 200 SF/hour 2.1 hours @ 1 units/crew = 2.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 2.1                | hours           | \$86.31    | \$181                   | 427 SF @ 200 SF/hour 2.1 hours @ 1 units/crew = 2.1 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 2.1                | hours           | \$5.41     | \$11                    | 427 SF @ 200 SF/hour 2.1 hours @ 1 units/crew = 2.1 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | <b>\$953</b>            | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
| <b>5.25.4 FRP Tank Demolition</b>      |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 1.0                | tnks @          |            | n/a                     | 550 gallons: 85 SF Tanks: 2 CF @ 245 Lb/CF = 578 Lbs  | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 1.3                | hours           | \$39.00    | \$51                    | 85 SF @ 200 SF/hour 0.4 hours @ 3 units/crew = 1.3 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.9                | hours           | \$45.00    | \$41                    | 85 SF @ 200 SF/hour 0.4 hours @ 2 units/crew = 0.9 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.4                | hours           | \$84.09    | \$34                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.4                | hours           | \$34.40    | \$14                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.4                | hours           | \$2.47     | \$1                     | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.4                | hours           | \$30.03    | \$12                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.4                | hours           | \$86.31    | \$35                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 85 SF @ 200 SF/hour 0.4 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | <b>\$186</b>            | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                |   |
| <b>5.25.5 Tank Piping Demolition</b>   |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF           |   |
| Estimated Piping Length                | 200.0              | LF              |            | n/a                     | 2 tanks @ 100 LF/tank = 200 LF @ 4 Lb/LF = 800 Lbs  | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 20.0               | hours           | \$39.00    | \$780                   | 200 LF @ 20 LF/hour 10.0 hours @ 2 units/crew = 20.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 10.0               | hours           | \$5.41     | \$54                    | 200 LF @ 20 LF/hour 10.0 hours @ 1 units/crew = 10.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | <b>\$834</b>            | in the absence of facility data, piping assumed to average 100 LF/tank                              |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.25 AWTS (i/s A wst awt bld) 2 tk

| Basic Closure Activities Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|---|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.25.6 Tank Pump Demolition</b>        |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                  | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                         | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition         |                    |                 |            | <b>\$83</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|   |                    |                 |            |                         |  |   |
| <b>5.25.7 Load Tank Demo Debris</b>       |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                   | 0.1                | hours           | \$39.00    | \$4                     | 1.5 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.1                | hours           | \$45.00    | \$5                     | 1.5 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                    | 0.1                | hours           | \$30.03    | \$3                     | 1.5 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                      | 0.1                | hours           | \$5.20     | \$1                     | 1.5 CY @ 15 CY/hr = 0.1 hours @ 1 units/crew 0.1 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris              |                    |                 |            | <b>\$12</b>             | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.25.8 Uni'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers   |   |
| PROCESS TONS (incl kiln dust)             | 3.9                | TONS            |            |                         | 1.5 CY debr + 15% kiln dust = 1.71 CY total total tonnage = 3.9 tons                                   | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                   | 0.5                | hours           | \$39.00    | \$20                    | 3.9 tons @ 15 tons/hr @ 0.3 hours @ 2 units/crew = 0.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)               | 0.8                | hours           | \$45.00    | \$36                    | 3.9 tons @ 15 tons/hr @ 0.3 hours @ 3 units/crew = 0.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                            | 0.3                | hours           | \$19.18    | \$6                     | 3.9 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                      | 0.3                | hours           | \$14.39    | \$4                     | 3.9 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                  | 0.3                | hours           | \$329.70   | \$99                    | 3.9 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                 | 0.3                | hours           | \$136.29   | \$41                    | 3.9 tons @ 15 tons/hr @ 0.3 hours @ 1 units/crew = 0.3 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost             | 0.0                | tons            | \$0.00     | \$0                     | 0.2 tons   |   |
| Cement Kiln Dust - Delivery Cost          | 0.0                | loads           | \$0.00     | \$0                     | 0.2 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost        | 0.2                | tons            | \$48.00    | \$10                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)          | 0.1                | units           | \$1,000.00 | \$100                   | 1.7 CYs @ 30 CY/unit = 0.1 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                          | 0.0                | hours           | \$19.02    | \$0                     | 1.7 CYs @ 30 CY/unit = 0.1 rolloffs @ 0.3 hours/rolloff = 0.0 hours                                    | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate              |                    |                 |            | <b>\$315</b>            | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|   |                    |                 |            |                         |  |   |
| <b>5.25.9 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris           | 38.5               | miles           | \$3.25     | \$125                   | 1.7 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris            | 1.7                | CY              | \$337.50   | \$574                   | 1.7 CY @ 27 CF/CY = 46.3 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo            |                    |                 |            | <b>\$699</b>            |  |   |
| (Subt: Assemb 5.25.3 - 5.25.9)            |                    |                 |            | <b>\$3,082</b>          | <i>tank/piping/pump demolition, and offsite transportation &amp; disposal</i>                          |   |
|   |                    |                 |            |                         |  |   |
| <b>5.25.10 Decon SCA (wash)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                    |   |
| Laborer                                   | 5.6                | hours           | \$39.00    | \$218                   | 592 SF @ 105 SF/hr = 5.6 hours @ 1 pers/crew = 5.6 hours   | two laborers-1 unit each; rate 2011 3rd party quote       |
| Pressure Washer                           | 5.6                | hours           | \$4.04     | \$23                    | 592 SF @ 105 SF/hr = 5.6 hours @ 1 unit/crew = 5.6 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                |
| Vacuum Sweeper                            | 5.6                | hours           | \$3.41     | \$19                    | 592 SF @ 105 SF/hr = 5.6 hours @ 1 unit/crew = 5.6 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Decon SCA (wash)                   |                    |                 |            | <b>\$260</b>            |  |   |
|   |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.25 AWTS (i/s A wst awt bld) 2 tk

| Basic Closure Activities Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                            | In-house Pricing References                                   |
|---------------------------------------|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.25.11 Decon SCA (rinse)</b>      |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                               | 5.6                | hours           | \$39.00    | \$218                   | 592 SF @ 105 SF/hr = 5.6 hours @ 1 pers/crew = 5.6 hours                            | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                       | 5.6                | hours           | \$4.04     | \$23                    | 592 SF @ 105 SF/hr = 5.6 hours @ 1 unit/crew = 5.6 hours                            | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                        | 5.6                | hours           | \$3.41     | \$19                    | 592 SF @ 105 SF/hr = 5.6 hours @ 1 unit/crew = 5.6 hours                            | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)              |                    |                 |            | \$260                   |   |   |
|                                       |                    |                 |            |                         |   |   |
| <b>5.25.12 Decon Water Samp/Disp</b>  |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs                                    |   |
| Technician                            | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                        | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                     |
| On-site Water Disposal                | 296.0              | gal             | \$0.0313   | \$9                     | 592 SF @ 0.5 gal/sf/wa = 296 gallons  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose       |                    |                 |            | \$167                   |   |   |
|                                       |                    |                 |            |                         |   |   |
| <b>5.25.13 PCB Wipe Samples</b>       |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan                      |   |
| Technician                            | 0.9                | hours           | \$38.00    | \$34                    | 0.9 samp @ 0.5 hr/samp = 0.45 hours @ 2 pers/crew = 0.9 hours                       | technician rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)          | 0.0                | samp            | \$446.67   | \$0                     |   | analytical price: average of three quotes                     |
| PCB Analysis (SW 8081/8082)           | 0.9                | samp            | \$83.33    | \$75                    | 592 SF @ 625 SF/samp = 0.9 samples  | analytical price: average of three quotes                     |
| Subt - PCB Wipe/Destruct Samp         |                    |                 |            | \$109                   |   |   |
| (Subt: Assemb 5.25.10 - 5.25.13)      |                    |                 |            | \$796                   | decontamination & sampling of SCA   |   |

Total Non-Super Labor Hours 51.6

|   |     |       |          |       |  |   |
|---|-----|-------|----------|-------|--|---|
| <b>5.25.14 PPE Usage/H&amp;S Planning</b> |     |       |          |       | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                       | 0.0 | days  | \$0.00   | \$0   | 63.0 hours @ 8 hr/day = 7.9 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                   | 2.0 | days  | \$9.00   | \$18  | 63.0 hours @ 8 hr/day = 7.9 days @ 25% "Mod C" days = 2.0 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                       | 5.9 | days  | \$25.00  | \$148 | 63.0 hours @ 8 hr/day = 7.9 days @ 75% "C" days = 5.9 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                           | 1.6 | hours | \$75.00  | \$120 | 63.0 hours @ 2.5% hr/hr = 1.6 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning             |     |       |          | \$286 |  |   |
|   |     |       |          |       |  |   |
| <b>5.25.15 Supervision</b>                |     |       |          |       | 0.2 weeks supervisory time for closure of 2 tanks  |   |
| Foreman                                   | 8.0 | hours | \$65.00  | \$520 | 0.2 weeks @ 40 hrs/wk = 8.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager                      | 0.0 | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                    |     |       |          | \$520 |  |   |
|   |     |       |          |       |  |   |
| <b>5.25.16 Certification</b>              |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                                  | 0.9 | hours | \$130.00 | \$117 | 63.0 hours @ 0.015 hr/hr = 0.9 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                  | 0.9 | hours | \$45.00  | \$41  | 63.0 hours @ 0.015 hr/hr = 0.9 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification                   |     |       |          | \$158 |  |   |
| (Subt: Assemb 5.25.14 - 5.25.16)          |     |       |          | \$963 |  |   |

|                                    |             |       |       |         |
|------------------------------------|-------------|-------|-------|---------|
| 5.25 AWTS (i/s A wst awt bld) 2 tk | Direct Cost | Total | Basic | \$5,766 |
|------------------------------------|-------------|-------|-------|---------|



Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.25 AWTS (i/s A wst awt bld) 2 tk |  |                          |                   |
|------------------------------------|--|--------------------------|-------------------|
| Total Cost Summary                 |  |                          |                   |
| Cost Category                      | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
|                                    |  |                          |                   |
| Direct Costs                       |  | \$5,766                  |                   |
|                                    |  |                          |                   |
| Plus Indirect Costs/Profit:        |  |                          |                   |
| Site Activity Management Costs     | 7.00%                                    | \$404                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office   | 4.00%                                    | \$231                    | note: DEC uses 4% |
| Pre-Construction Design Costs      | 6.00%                                    | \$346                    | note: DEC uses 6% |
| Engineering During Construction    | 2.00%                                    | \$115                    | note: DEC uses 2% |
| General Contractor Profit          | 6.00%                                    | \$346                    | Note DEC adds 6%  |
| Indirect Costs                     | 25.00%                                   | \$1,442                  |                   |
|                                    |  |                          |                   |
| Subt: AWTS (i/s A wes awt) 2 tks   |  | \$7,208                  |                   |
|                                    |  |                          |                   |
| Plus Contingency                   | 10.00%                                   | \$721                    | CWM and DEC 10%   |
|                                    |  |                          |                   |
| Tot: AWTS (i/s A west awt) 2 tnks  |  | \$7,928                  |                   |
|                                    |  |                          |                   |
|                                    |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.26 AWTS (i/s A south SLF3) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| <b>5.26.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.26.1 - 5.26.1)         |                    |                 |            | \$39                    | tank: T-8004  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.26.2 Empty Tank T-8004</b>        |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 550 gals @ 1650 gals/hr = 0.3 hours @ 1 units/crew = 0.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank                      |                    |                 |            | \$2                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.26.3 Transport Tanker Onsite</b>  |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite transport   |   |
| Tractor                                | 0.1                | hours           | \$32.45    | \$3                     | 550 SF @ 5500 gals/load = 0.1 loads @ 0.5 hours/trip = 0.1 hours  | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.1                | hours           | \$6.31     | \$1                     | 550 SF @ 5500 gals/load = 0.1 loads @ 0.5 hours/trip = 0.1 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Tanker Transport         |                    |                 |            | \$4                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.26.4 Empty Tanker</b>             |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 550.0 gals @ 1650 gals/hr = 0.3 hours @ 1 units/crew = 0.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker                    |                    |                 |            | \$2                     |   |   |
| (Subt: Assemb 5.26.2 - 5.26.4)         |                    |                 |            | \$8                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.26.5 Onsite Aqueous Treatment</b> |                    |                 |            |                         | liquid wastes transferred to AWTS by tankers  |   |
| Onsite Aqueous Treatment - Tanks       | 550.0              | gals            | \$0.1526   | \$84                    | 550 gals  | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$84                    |   |   |
| (Subt: Assemb 5.26.5 - 5.26.5)         |                    |                 |            | \$84                    | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.26.6 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 490 Lb/CF = 0 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$0                     | tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5                    |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.26 AWTS (i/s A south SLF3) 1 tk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.26.7 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 1.0                | <i>tnks @</i>   |            |                         | <i>550 gallons: 85 SF Tanks: 2 CF @ 245 Lb/CF = 578 Lbs</i>  | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 1.3                | hours           | \$39.00    | \$51                    | 85 SF @ 200 SF/hour 0.4 hours @ 3 units/crew = 1.3 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 0.9                | hours           | \$45.00    | \$41                    | 85 SF @ 200 SF/hour 0.4 hours @ 2 units/crew = 0.9 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.4                | hours           | \$84.09    | \$34                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.4                | hours           | \$34.40    | \$14                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.4                | hours           | \$2.47     | \$1                     | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.4                | hours           | \$30.03    | \$12                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.4                | hours           | \$86.31    | \$35                    | 85 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 85 SF @ 200 SF/hour 0.4 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | <b>\$186</b>            | <i>tank areas based upc</i>  |   |
| <b>5.26.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 100.0              | <i>LF</i>       |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$417</b>            | <i>in the absence of faci</i>  |   |
| <b>5.26.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
| <b>5.26.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 C no separate facility estimate - part of total demo cost                         |   |
| Laborer                                  | 0.0                | hours           | \$39.00    | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.0                | hours           | \$45.00    | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.0                | hours           | \$30.03    | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.0                | hours           | \$5.20     | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | <b>\$0</b>              | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.26 AWTS (i/s A south SLF3) 1 tk

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.26.11 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| <i>PROCESS TONS (incl kiln dust)</i>       | 0.6                | TONS            |            |                         | 0.6 CY debr + 15% kiln dust = 0.65 CY total total tonnage = 0.6 tons                                 | total tons derived from foregoing assemblies + kiln dust      |
| Laborer                                    | 0.1                | hours           | \$39.00    | \$4                     | 0.6 tons @ 15 tons/hr @ 0.0 hours @ 2 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)                | 0.1                | hours           | \$45.00    | \$5                     | 0.6 tons @ 15 tons/hr @ 0.0 hours @ 3 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Backhoe (1 CY)                             | 0.0                | hours           | \$19.18    | \$0                     | 0.6 tons @ 15 tons/hr @ 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                    |
| Loader, Wheel (1 CY)                       | 0.0                | hours           | \$14.39    | \$0                     | 0.6 tons @ 15 tons/hr @ 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                    |
| Shredder                                   | 0.0                | hours           | \$329.70   | \$0                     | 0.6 tons @ 15 tons/hr @ 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Mixing Pit/Screening/Silo                  | 0.0                | hours           | \$136.29   | \$0                     | 0.6 tons @ 15 tons/hr @ 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                             |
| Cement Kiln Dust - Mat'l Cost              | 0.1                | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost           | 0.0                | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost         | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs   |
| Encapsulation Containers (30-CY)           | 0.0                | units           | \$1,000.00 | \$0                     | 0.7 CYs @ 30 CY/unit = 0.0 containers  | CWM actual 2011 costs   |
| Rolloffs (30-CY)                           | 0.0                | hours           | \$19.02    | \$0                     | 0.7 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.0 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                        |
| Subt - Stabilize/Encapsulate               |                    |                 |            | \$13                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| <b>5.26.12 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris            | 38.5               | miles           | \$3.25     | \$125                   | 0.7 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                      |
| Offsite Disposal - Tank Debris             | 0.7                | CY              | \$337.50   | \$236                   | 0.7 CY @ 27 CF/CY = 17.7 CF  | DEC 2004 Estimate accounting for inflation                    |
| Subt - Offsite T&D - Tank Demo             |                    |                 |            | \$361                   |  |   |
| <i>(Subt: Assemb 5.26.6 - 5.26.12)</i>     |                    |                 |            | \$1,019                 | tank/piping/pump demolition, and offsite transportation & dispos                                     |   |
| <b>5.26.13 Decon SCA (wash)</b>            |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                    | 1.9                | hours           | \$39.00    | \$74                    | 204 SF @ 105 SF/hr = 1.9 hours @ 1 pers/crew = 1.9 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                            | 1.9                | hours           | \$4.04     | \$8                     | 204 SF @ 105 SF/hr = 1.9 hours @ 1 unit/crew = 1.9 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                             | 1.9                | hours           | \$3.41     | \$6                     | 204 SF @ 105 SF/hr = 1.9 hours @ 1 unit/crew = 1.9 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (wash)                    |                    |                 |            | \$88                    |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.26.14 Decon SCA (rinse)</b>           |                    |                 |            |                         | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                  |   |
| Laborer                                    | 1.9                | hours           | \$39.00    | \$74                    | 204 SF @ 105 SF/hr = 1.9 hours @ 1 pers/crew = 1.9 hours   | two laborers-1 unit each; rate 2011 3rd party quote           |
| Pressure Washer                            | 1.9                | hours           | \$4.04     | \$8                     | 204 SF @ 105 SF/hr = 1.9 hours @ 1 unit/crew = 1.9 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| Vacuum Sweeper                             | 1.9                | hours           | \$3.41     | \$6                     | 204 SF @ 105 SF/hr = 1.9 hours @ 1 unit/crew = 1.9 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                    |
| Subt - Decon SCA (rinse)                   |                    |                 |            | \$88                    |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.26.15 Decon Water Samp/Disp</b>       |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs   |   |
| Technician                                 | 1.1                | hours           | \$38.00    | \$42                    | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours   | rate 2011 3rd party quote                                     |
| VOC Analysis (EPA 624)                     | 1.1                | samp            | \$105.00   | \$116                   | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes                     |
| On-site Water Disposal                     | 102.0              | gal             | \$0.0313   | \$3                     | 204 SF @ 0.5 gal/sf/wa = 102 gallons   | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose            |                    |                 |            | \$160                   |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.26 AWTS (i/s A south SLF3) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate       | In-house Pricing References               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.26.16 PCB Wipe Samples               |                    |                 |            |                         | No TCLP analyses necessary according to site-wide closure plan |   |
| Technician                             | 0.3                | hours           | \$38.00    | \$11                    | 0.3 samp @ 0.5 hr/samp = 0.15 hours @ 2 pers/crew = 0.3 hours  | technician rate 2011 3rd party quote      |
| TCLP (Metals/VOCs/Semi-VOCs)           | 0.0                | samp            | \$446.67   | \$0                     |  | analytical price: average of three quotes |
| PCB Analysis (SW 8080)                 | 0.3                | samp            | \$83.33    | \$25                    | 204 SF @ 625 SF/samp = 0.3 samples                             | analytical price: average of three quotes |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$36                    |  |   |
| (Subt: Assemb 5.26.13 - 5.26.16)       |                    |                 |            | \$373                   | decontamination & sampling of SCA                              |   |

Total Non-Super Labor Hours 19.6

|                                  |     |       |          |       |  |   |
|----------------------------------|-----|-------|----------|-------|--|---|
| 5.26.17 PPE Usage/H&S Planning   |     |       |          |       | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D              | 0.0 | days  | \$0.00   | \$0   | 19.6 hours @ 8 hr/day = 2.5 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C          | 0.6 | days  | \$9.00   | \$5   | 19.6 hours @ 8 hr/day = 2.5 days @ 25% "Mod C" days = 0.6 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C              | 1.9 | days  | \$25.00  | \$48  | 19.6 hours @ 8 hr/day = 2.5 days @ 75% "C" days = 1.9 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                  | 0.5 | hours | \$75.00  | \$38  | 19.6 hours @ 2.5% hr/hr = 0.5 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning    |     |       |          | \$90  |  |   |
|                                  |     |       |          |       |  |   |
| 5.26.18 Supervision              |     |       |          |       | 0.1 weeks supervisory time for closure of 1 tank   |   |
| Foreman                          | 4.0 | hours | \$65.00  | \$260 | 0.1 weeks @ 40 hrs/wk = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager             | 0.0 | hours | \$75.00  | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision           |     |       |          | \$260 |  |   |
|                                  |     |       |          |       |  |   |
| 5.26.19 Certification            |     |       |          |       | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                         | 0.3 | hours | \$130.00 | \$39  | 19.6 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                         | 0.3 | hours | \$45.00  | \$14  | 19.6 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification          |     |       |          | \$53  |  |   |
| (Subt: Assemb 5.26.17 - 5.26.19) |     |       |          | \$403 |  |   |

|                                   |             |       |       |         |
|-----------------------------------|-------------|-------|-------|---------|
| 5.26 AWTS (i/s A south SLF3) 1 tk | Direct Cost | Total | Basic | \$1,926 |
|-----------------------------------|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                   |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| 5.26 AWTS (i/s A south SLF3) 1 tk |  |                          |                   |
| Total Cost Summary                |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$1,926                  |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$135                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$77                     | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$116                    | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$39                     | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$116                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$482                    |                   |
|                                   |  |                          |                   |
| Subt: AWTS (i/s A sou SLF 3) 1 tk |  | \$2,408                  |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$241                    | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (i/s A sou SLF 3) 1 tnk |  | \$2,649                  |                   |
|                                   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.27 AWTS (i/s A sou SLF10) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| <b>5.27.1 Inventory Verification</b>   |                    |                 |            |                         |   |   |
|  |                    |                 |            |                         | prod'n rates: 100 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                 |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.27.1 - 5.27.1)         |                    |                 |            | \$39                    | tank: T-8005  |   |
| <b>5.27.2 Empty Tank T-8005</b>        |                    |                 |            |                         |   |   |
|  |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.2                | hours           | \$6.31     | \$1                     | 300 gals @ 1650 gals/hr = 0.2 hours @ 1 units/crew = 0.2 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank                      |                    |                 |            | \$1                     |   |   |
| <b>5.27.3 Transport Tanker Onsite</b>  |                    |                 |            |                         |   |   |
|  |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite travel  |   |
| Tractor                                | 0.03               | hours           | \$32.45    | \$1                     | 300 gals @ 5500 gals/load = 0.05 loads @ 0.5 hours/load = 0.03 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.03               | hours           | \$6.31     | \$0                     | 300 gals @ 5500 gals/load = 0.05 loads @ 0.5 hours/load = 0.03 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Transport Tanker Onsite         |                    |                 |            | \$1                     |   |   |
| <b>5.27.4 Empty Tanker</b>             |                    |                 |            |                         |   |   |
|  |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.2                | hours           | \$6.31     | \$1                     | 300 gals @ 1650 gals/hr = 0.2 hours @ 1 units/crew = 0.2 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker                    |                    |                 |            | \$1                     |   |   |
| (Subt: Assemb 5.27.2 - 5.27.4)         |                    |                 |            | \$4                     |   |   |
| <b>5.27.5 Onsite Aqueous Treatment</b> |                    |                 |            |                         |   |   |
|  |                    |                 |            |                         | liquid wastes transferred to AWTS by tankers  |   |
| Onsite Aqueous Treatment - Tanks       | 300.0              | gals            | \$0.1526   | \$46                    | 300 gals  | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$46                    |   |   |
| (Subt: Assemb 5.27.5 - 5.27.5)         |                    |                 |            | \$46                    | onsite treatment of tanks' waste liquids  |   |
| <b>5.27.6 Steel Tank Demolition</b>    |                    |                 |            |                         |   |   |
|  |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 1.0                | tnks @          |            |                         | 300 gallons: 102 SF Tanks: 3 CF @ 490 Lb/CF = 1388 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 1.5                | hours           | \$39.00    | \$59                    | 102 SF @ 200 SF/hour 0.5 hours @ 3 units/crew = 1.5 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 1.0                | hours           | \$45.00    | \$45                    | 102 SF @ 200 SF/hour 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.5                | hours           | \$84.09    | \$42                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.5                | hours           | \$34.40    | \$17                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.5                | hours           | \$2.47     | \$1                     | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.5                | hours           | \$30.03    | \$15                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.5                | hours           | \$86.31    | \$43                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.5                | hours           | \$5.41     | \$3                     | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$225                   | tank area represents steel tank plus its steel secondary containment area.                              |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.27 AWTS (i/s A sou SLF10) 1 tnk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.27.7 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 0.0                | <i>tnks @</i>   |            |                         | <i>0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs</i>   | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | \$0                     | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 100.0              | <i>LF</i>       |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | \$417                   | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                          |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | \$42                    | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.0                | hours           | \$39.00    | \$0                     | 0.59 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.0                | hours           | \$45.00    | \$0                     | 0.59 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.0                | hours           | \$30.03    | \$0                     | 0.59 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.0                | hours           | \$5.20     | \$0                     | 0.59 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | \$0                     | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|  |                    |                 |            |                         |  |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.27 AWTS (i/s A sou SLF10) 1 tnk

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.27.11 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| <i>PROCESS TONS (incl kiln dust)</i>       | 1.0                | TONS            |            |                         | 0.6 CY depr + 15% kiln dust = 0.67 CY total total tonnage = 1.0 tons                                 | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                    | 0.1                | hours           | \$39.00    | \$4                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)                | 0.2                | hours           | \$45.00    | \$9                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                             | 0.1                | hours           | \$19.18    | \$2                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                       | 0.1                | hours           | \$14.39    | \$1                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                   | 0.1                | hours           | \$329.70   | \$33                    | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                  | 0.1                | hours           | \$136.29   | \$14                    | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost              | 0.0                | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost           | 0.0                | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost         | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)           | 0.0                | units           | \$1,000.00 | \$0                     | 0.7 CYs @ 30 CY/unit = 0.0 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                           | 0.0                | hours           | \$19.02    | \$0                     | 0.7 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate               |                    |                 |            | \$68                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.12 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris            | 38.5               | miles           | \$3.25     | \$125                   | 0.7 CY @ 30 CY/load = 0.1 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris             | 0.7                | CY              | \$337.50   | \$236                   | 0.7 CY @ 27 CF/CY = 18.2 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo             |                    |                 |            | \$361                   |  |   |
| (Subt: Assemb 5.27.6 - 5.27.12)            |                    |                 |            | \$1,113                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
| <b>5.27.13 Decon SCA (wash)</b>            |                    |                 |            |                         | not applicable - secondary containmnet demolished with primary tank                                  |   |
| Subt - Decon SCA (wash)                    |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.14 Decon SCA (rinse)</b>           |                    |                 |            |                         |  |   |
| Subt - Decon SCA (rinse)                   |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.15 Decon Water Samp/Disp</b>       |                    |                 |            |                         |  |   |
| Subt - Decon Water Samp/Dispose            |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.27.16 PCB Wipe Samples</b>            |                    |                 |            |                         |  |   |
| Subt - PCB Wipe/Destruct Samp              |                    |                 |            | \$0                     |  |   |
| (Subt: Assemb 5.27.13 - 5.27.16)           |                    |                 |            | \$0                     | decontamination & sampling of SCA  |   |
|  |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours                | 14.8               |                 |            |                         |  |   |
| <b>5.27.17 PPE Usage/H&amp;S Planning</b>  |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs     |   |
| PPE Usage - Level D                        | 0.0                | days            | \$0.00     | \$0                     | 14.8 hours @ 8 hr/day = 1.8 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience                   |
| PPE Usage - Mod Level C                    | 0.5                | days            | \$9.00     | \$5                     | 14.8 hours @ 8 hr/day = 1.8 days @ 25% "Mod C" days = 0.5 days                                       | 25% of non-supv hrs in Mod Level C (price: \$9/day)       |
| PPE Usage - Level C                        | 1.3                | days            | \$25.00    | \$33                    | 14.8 hours @ 8 hr/day = 1.8 days @ 75% "C" days = 1.3 days   | 75% of non-supv hrs in Level C (price: \$25/day)          |
| Safety Engineer                            | 0.4                | hours           | \$75.00    | \$30                    | 14.8 hours @ 2.5% hr/hr = 0.4 hours  | Safety Eng Rate: rate 2011 3rd party quote                |
| Subt - PPE Usage/H&S Planning              |                    |                 |            | \$67                    |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.27 AWTS (i/s A sou SLF10) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References                |
|--|--------------------|-----------------|------------|-------------------------|--|--|
|  |                    |                 |            |                         |  |  |
| 5.27.18 Supervision                    |                    |                 |            |                         | 0.1 weeks supervisory time for closure of 1 tank                                 |  |
| Foreman                                | 4.0                | hours           | \$65.00    | \$260                   | 0.1 weeks @ 40 hrs/wk = 4.0 hours  | Outside foreman rate: 2011 3rd party quote |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                      | Site Manager Rate: 2011 3rd party quote    |
| Subtotal - Supervision                 |                    |                 |            | \$260                   |  |  |
|  |                    |                 |            |                         |  |  |
| 5.27.19 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |  |
| Engineer                               | 0.2                | hours           | \$130.00   | \$26                    | 14.8 hours @ 0.015 hr/hr = 0.2 hours   | Engineer rate: 2011 3rd party quote        |
| Clerical                               | 0.2                | hours           | \$45.00    | \$9                     | 14.8 hours @ 0.015 hr/hr = 0.2 hours   | Clerical rate: 2011 3rd party quote        |
| Subtotal -Certification                |                    |                 |            | \$35                    |  |  |
| (Subt: Assemb 5.27.17 - 5.27.19)       |                    |                 |            | \$362                   |  |  |
|  |                    |                 |            |                         |  |  |
| 5.27 AWTS (i/s A sou SLF10) 1 tnk      | Direct Cost        | Total           | Basic      | \$1,563                 |  |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 5.27 AWTS (i/s A sou SLF10) 1 tnk |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| Total Cost Summary                |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$1,563                  |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$109                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$63                     | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$94                     | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$31                     | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$94                     | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$391                    |                   |
|                                   |  |                          |                   |
| Subt: AWTS (i/s A sou SLF10) 1 tk |  | \$1,954                  |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$195                    | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (i/s A sou SLF10) 1 tnk |  | \$2,149                  |                   |
|                                   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.28 AWTS (i/s A eastSLF12) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| <b>5.28.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                  |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.28.1 - 5.28.1)         |                    |                 |            | \$39                    | tank: T-8006  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.28.2 Empty Tank T-8006</b>        |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.2                | hours           | \$6.31     | \$1                     | 300 gals @ 1650 gals/hr = 0.2 hours @ 1 units/crew = 0.2 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank                      |                    |                 |            | \$1                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.28.3 Transport Tanker Onsite</b>  |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite travel  |   |
| Tractor                                | 0.03               | hours           | \$32.45    | \$1                     | 300 gals @ 5500 gals/load = 0.05 loads @ 0.5 hours/load = 0.03 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.03               | hours           | \$6.31     | \$0                     | 300 gals @ 5500 gals/load = 0.05 loads @ 0.5 hours/load = 0.03 hours                                    | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Tanker Transport                |                    |                 |            | \$1                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.28.4 Empty Tanker</b>             |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.2                | hours           | \$6.31     | \$1                     | 300 gals @ 1650 gals/hr = 0.2 hours @ 1 units/crew = 0.2 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker                    |                    |                 |            | \$1                     |   |   |
| (Subt: Assemb 5.28.2 - 5.28.4)         |                    |                 |            | \$4                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.28.5 Onsite Aqueous Treatment</b> |                    |                 |            |                         | liquid wastes transferred to AWTS by tankers  |   |
| Onsite Aqueous Treatment - Tanks       | 300.0              | gals            | \$0.1526   | \$46                    | 300 gals  | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$46                    |   |   |
| (Subt: Assemb 5.28.5 - 5.28.5)         |                    |                 |            | \$46                    | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.28.6 Steel Tank Demolition</b>    |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 1.0                | tnks @          |            |                         | 300 gallons: 102 SF Tanks: 3 CF @ 490 Lb/CF = 1388 Lbs  | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 1.5                | hours           | \$39.00    | \$59                    | 102 SF @ 200 SF/hour 0.5 hours @ 3 units/crew = 1.5 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 1.0                | hours           | \$45.00    | \$45                    | 102 SF @ 200 SF/hour 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.5                | hours           | \$84.09    | \$42                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.5                | hours           | \$34.40    | \$17                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.5                | hours           | \$2.47     | \$1                     | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.5                | hours           | \$30.03    | \$15                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.5                | hours           | \$86.31    | \$43                    | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.5                | hours           | \$5.41     | \$3                     | 102 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel Tank Demolition           |                    |                 |            | \$225                   | steel tank area base  |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.28 AWTS (i/s A eastSLF12) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 5.28.7 FRP Tank Demolition             |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 0 SF Tanks: 0 CF @ 245 Lb/CF = 0 Lbs   | FRP Tanks only; facility estimates 245#/CF                |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 3 units/crew = 0.0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 2 units/crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 1 units/crew = 0.0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.0 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition             |                    |                 |            | \$0                     | tank areas based up   |   |
| 5.28.8 Tank Piping Demolition          |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF           |   |
| Estimated Piping Length                | 100.0              | LF              |            |                         | 1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs  | combined Steel and FRP Tanks' Piping                      |
| Laborers                               | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition    |                    |                 |            | \$417                   | in the absence of fa  |   |
| 5.28.9 Tank Pump Demolition            |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank       |   |
| Laborers                               | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                      | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition      |                    |                 |            | \$42                    | pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated       |   |
| 5.28.10 Load Tank Demo Debris          |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                               |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                   | 0.0                | hours           | \$5.20     | \$0                     | 0.6 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris           |                    |                 |            | \$0                     | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps     |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.28 AWTS (i/s A eastSLF12) 1 tnk

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| <b>5.28.11 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| <i>PROCESS TONS (incl kiln dust)</i>       | 1.0                | TONS            |            |                         | 0.6 CY debr + 15% kiln dust = 0.67 CY total total tonnage = 1.0 tons                                 | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                    | 0.1                | hours           | \$39.00    | \$4                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.1 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)                | 0.2                | hours           | \$45.00    | \$9                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                             | 0.1                | hours           | \$19.18    | \$2                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                       | 0.1                | hours           | \$14.39    | \$1                     | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                   | 0.1                | hours           | \$329.70   | \$33                    | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                  | 0.1                | hours           | \$136.29   | \$14                    | 1.0 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost              | 0.0                | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost           | 0.0                | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost         | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)           | 0.0                | units           | \$1,000.00 | \$0                     | 0.7 CYs @ 30 CY/unit = 0.0 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                           | 0.0                | hours           | \$19.02    | \$0                     | 0.7 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate               |                    |                 |            | \$68                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| <b>5.28.12 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris            | 38.5               | miles           | \$3.25     | \$125                   | 0.7 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris             | 0.7                | Y               | \$337.50   | \$236                   | 0.7 CY @ 27 CF/CY = 18.2 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo             |                    |                 |            | \$361                   |  |   |
| (Subt: Assemb 5.28.6 - 5.28.12)            |                    |                 |            | \$1,113                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.28.13 Decon SCA (wash)</b>            |                    |                 |            |                         | not applicable - secondary containmnet demolished with primary tank                                  |   |
| Subt - Decon SCA (wash)                    |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.28.14 Decon SCA (rinse)</b>           |                    |                 |            |                         |  |   |
| Subt - Decon SCA (rinse)                   |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.28.15 Decon Water Samp/Disp</b>       |                    |                 |            |                         |  |   |
| Subt - Decon Water Samp/Dispose            |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.28.16 PCB Wipe Samples</b>            |                    |                 |            |                         |  |   |
| Subt - PCB Wipe/Destruct Samp              |                    |                 |            | \$0                     |  |   |
| (Subt: Assemb 5.28.13 - 5.28.16)           |                    |                 |            | \$0                     | decontamination & sampling of SCA  |   |
|  |                    |                 |            |                         |  |   |
| Total Non-Super Labor Hours                | 14.8               |                 |            |                         |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.28.17 PPE Usage/H&amp;S Planning</b>  |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs     |   |
| PPE Usage - Level D                        | 0.0                | days            | \$0.00     | \$0                     | 14.8 hours @ 8 hr/day = 1.8 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience                   |
| PPE Usage - Mod Level C                    | 0.5                | days            | \$9.00     | \$5                     | 14.8 hours @ 8 hr/day = 1.8 days @ 25% "Mod C" days = 0.5 days                                       | 25% of non-supv hrs in Mod Level C (price: \$9/day)       |
| PPE Usage - Level C                        | 1.3                | days            | \$25.00    | \$33                    | 14.8 hours @ 8 hr/day = 1.8 days @ 75% "C" days = 1.3 days   | 75% of non-supv hrs in Level C (price: \$25/day)          |
| Safety Engineer                            | 0.4                | hours           | \$75.00    | \$30                    | 14.8 hours @ 2.5% hr/hr = 0.4 hours  | Safety Eng Rate: rate 2011 3rd party quote                |
| Subt - PPE Usage/H&S Planning              |                    |                 |            | \$67                    |  |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.28 AWTS (i/s A eastSLF12) 1 tnk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References                |
|--|--------------------|-----------------|------------|-------------------------|--|--|
|  |                    |                 |            |                         |  |  |
| 5.28.18 Supervision                    |                    |                 |            |                         | 0.1 weeks supervisory time for closure of 1 tank                                 |  |
| Foreman                                | 4.0                | hours           | \$65.00    | \$260                   | 0.1 weeks @ 40 hrs/wk = 4.0 hours  | Outside foreman rate: 2011 3rd party quote |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                      | Site Manager Rate: 2011 3rd party quote    |
| Subtotal - Supervision                 |                    |                 |            | \$260                   |  |  |
|  |                    |                 |            |                         |  |  |
| 5.28.19 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |  |
| Engineer                               | 0.2                | hours           | \$130.00   | \$26                    | 14.8 hours @ 0.015 hr/hr = 0.2 hours   | Engineer rate: 2011 3rd party quote        |
| Clerical                               | 0.2                | hours           | \$45.00    | \$9                     | 14.8 hours @ 0.015 hr/hr = 0.2 hours   | Clerical rate: 2011 3rd party quote        |
| Subtotal -Certification                |                    |                 |            | \$35                    |  |  |
| (Subt: Assemb 5.28.17 - 5.28.19)       |                    |                 |            | \$362                   |  |  |
|  |                    |                 |            |                         |  |  |
| 5.28 AWTS (i/s A eastSLF12) 1 tnk      | Direct Cost        | Total           | Basic      | \$1,563                 |  |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                   |  |                          |                   |
|-----------------------------------|--|--------------------------|-------------------|
| 5.28 AWTS (i/s A eastSLF12) 1 tnk |  |                          |                   |
| Total Cost Summary                |  |                          |                   |
|                                   |  |                          |                   |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal       |  | \$1,563                  |                   |
|                                   |  |                          |                   |
| Plus Indirect Costs/Profit:       |  |                          |                   |
| Site Activity Management Costs    | 7.00%                                    | \$109                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$63                     | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                    | \$94                     | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                    | \$31                     | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                    | \$94                     | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal     | 25.00%                                   | \$391                    |                   |
|                                   |  |                          |                   |
| Subt: AWTS (i/s A eastSLF12) 1 tk |  | \$1,954                  |                   |
|                                   |  |                          |                   |
| Plus Contingency                  | 10.00%                                   | \$195                    | CWM and DEC 10%   |
|                                   |  |                          |                   |
| Tot: AWTS (i/s A eastSLF12) 1 tnk |  | \$2,149                  |                   |
|                                   |  |                          |                   |

Cost References:  
"RSM/HC" refers to the RSMMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.29 AWTS (i/s A sou PCBwh) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| 5.29.1 Inventory Verification          |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.29.1 - 5.29.1)         |                    |                 |            | \$39                    | tank: T-8007  |   |
|  |                    |                 |            |                         |   |   |
| 5.29.2 Empty Tank T-8007               |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                             |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 500 gals @ 1650 gals/hr = 0.3 hours @ 1 units/crew = 0.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank                      |                    |                 |            | \$2                     |   |   |
|  |                    |                 |            |                         |   |   |
| 5.29.3 Onsite Tanker Transport         |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite transport   |   |
| Tractor                                | 0.05               | hours           | \$32.45    | \$2                     | 500 gals @ 5500 gals/load = 0.1 loads @ 0.5 hrs/trip = 0.05 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.05               | hours           | \$6.31     | \$0                     | 500 gals @ 5500 gals/load = 0.1 loads @ 0.5 hrs/trip = 0.05 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Tanker Transport         |                    |                 |            | \$2                     |   |   |
|  |                    |                 |            |                         |   |   |
| 5.29.4 Empty Tanker                    |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                             |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 500 gals @ 1650 gals/hr = 0.3 hours @ 1 units/crew = 0.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker                    |                    |                 |            | \$2                     |   |   |
| (Subt: Assemb 5.29.2 - 5.29.4)         |                    |                 |            | \$6                     |   |   |
|  |                    |                 |            |                         |   |   |
| 5.29.5 Onsite Aqueous Treatment        |                    |                 |            |                         | liquid wastes transferred to AWTS by tankers  |   |
| Onsite Aqueous Treatment - Tanks       | 500.0              | gals            | \$0.1526   | \$76                    | 500 gals  | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$76                    |   |   |
| (Subt: Assemb 5.29.5 - 5.29.5)         |                    |                 |            | \$76                    | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| 5.29.6 Steel SCA Demolition            |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf sc area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 90 SF SCA: 3 CF @ 490 Lb/CF = 1225 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 1.4                | hours           | \$39.00    | \$55                    | 90 SF @ 200 SF/hour 0.5 hours @ 3 units/crew = 1.4 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.9                | hours           | \$45.00    | \$41                    | 90 SF @ 200 SF/hour 0.5 hours @ 2 units/crew = 0.9 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.5                | hours           | \$84.09    | \$42                    | 90 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.5                | hours           | \$34.40    | \$17                    | 90 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.5                | hours           | \$2.47     | \$1                     | 90 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.5                | hours           | \$30.03    | \$15                    | 90 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.5                | hours           | \$86.31    | \$43                    | 90 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.5                | hours           | \$5.41     | \$3                     | 90 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel SCA Demolition            |                    |                 |            | \$216                   | tank areas based upon steel tank plus steel secondary containment area                                |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.29 AWTS (i/s A sou PCBwh) 1 tk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.29.7 FRP Tank Demolition</b>        |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 1.0                | <i>tnks @</i>   |            |                         | <i>500 gallons: 84 SF Tanks: 2 CF @ 245 Lb/CF = 572 Lbs</i>  | <i>FRP Tanks only; facility estimates 245#/CF</i>         |
| Laborer                                  | 1.3                | hours           | \$39.00    | \$51                    | 84 SF @ 200 SF/hour 0.4 hours @ 3 units/crew = 1.3 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 0.8                | hours           | \$45.00    | \$36                    | 84 SF @ 200 SF/hour 0.4 hours @ 2 units/crew = 0.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.4                | hours           | \$84.09    | \$34                    | 84 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.4                | hours           | \$34.40    | \$14                    | 84 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.4                | hours           | \$2.47     | \$1                     | 84 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.4                | hours           | \$30.03    | \$12                    | 84 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.4                | hours           | \$86.31    | \$35                    | 84 SF @ 200 SF/hour 0.4 hours @ 1 units/crew = 0.4 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 84 SF @ 200 SF/hour 0.4 hours @ 0 units/crew = 0.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | <b>\$182</b>            | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
| <b>5.29.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 100.0              | <i>LF</i>       |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>  | <i>combined Steel and FRP Tanks' Piping</i>               |
| Laborers                                 | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$417</b>            | <i>in the absence of facility data, piping assumed to average 100 LF/tank</i>                          |   |
| <b>5.29.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @ 1 pump/hr 0.5 hours @ 2 units/crew = 1.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @ 1 pump/hr 0.5 hours @ 1 units/crew = 0.5 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; in the absense of facility data, one pump per two tanks is estimated</i>   |   |
| <b>5.29.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.04               | hours           | \$39.00    | \$2                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.04               | hours           | \$45.00    | \$2                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.04               | hours           | \$30.03    | \$1                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.04               | hours           | \$5.20     | \$0                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | <b>\$5</b>              | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.29 AWTS (i/s A sou PCBwh) 1 tk

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| <b>5.29.11 Uni'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| <i>PROCESS TONS (incl kiln dust)</i>       | 1.3                | TONS            |            |                         | 0.7 CY debr + 15% kiln dust = 0.76 CY total total tonnage = 1.3 tons                                 | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                    | 0.2                | hours           | \$39.00    | \$8                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)                | 0.3                | hours           | \$45.00    | \$14                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                             | 0.1                | hours           | \$19.18    | \$2                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                       | 0.1                | hours           | \$14.39    | \$1                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                   | 0.1                | hours           | \$329.70   | \$33                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                  | 0.1                | hours           | \$136.29   | \$14                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost              | 0.0                | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost           | 0.0                | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost         | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)           | 0.02               | units           | \$1,000.00 | \$20                    | 0.8 CYs @ 30 CY/unit = 0.02 containers   | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                           | 0.0                | hours           | \$19.02    | \$0                     | 0.8 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate               |                    |                 |            | \$96                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| <b>5.29.12 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris            | 38.5               | miles           | \$3.25     | \$125                   | 0.8 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris             | 0.8                | CY              | \$337.50   | \$270                   | 0.8 CY @ 27 CF/CY = 20.5 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo             |                    |                 |            | \$395                   |  |   |
| <i>(Subt: Assemb 5.29.6 - 5.29.12)</i>     |                    |                 |            | \$1,353                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.29.13 Decon SCA (wash)</b>            |                    |                 |            |                         | not applicable - secondary containmnet demolished with primary tank                                  |   |
| Subt - Decon SCA (wash)                    |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.29.14 Decon SCA (rinse)</b>           |                    |                 |            |                         |  |   |
| Subt - Decon SCA (rinse)                   |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.29.15 Decon Water Samp/Disp</b>       |                    |                 |            |                         |  |   |
| Subt - Decon Water Samp/Dispose            |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.29.16 PCB Wipe Samples</b>            |                    |                 |            |                         |  |   |
| Subt - PCB Wipe/Destruct Samp              |                    |                 |            | \$0                     |  |   |
| <i>(Subt: Assemb 5.29.13 - 5.29.16)</i>    |                    |                 |            | \$0                     | decontamination & sampling of SCA  |   |

Total Non-Super Labor Hours 17.0

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.29 AWTS (i/s A sou PCBwh) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                         |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.29.17 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | 17.0 hours @ 8 hr/day = 2.1 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                | 0.5                | days            | \$9.00     | \$5                     | 17.0 hours @ 8 hr/day = 2.1 days @ 25% "Mod C" days = 0.5 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                    | 1.6                | days            | \$25.00    | \$40                    | 17.0 hours @ 8 hr/day = 2.1 days @ 75% "C" days = 1.6 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                        | 0.5                | hours           | \$75.00    | \$38                    | 17.0 hours @ 2.5% hr/hr = 0.5 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$82                    |  |   |
| 5.29.18 Supervision                    |                    |                 |            |                         | 0.1 weeks supervisory time for closure of 1 tank   |   |
| Foreman                                | 4.0                | hours           | \$65.00    | \$260                   | 0.1 weeks @ 40 hrs/wk = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                 |                    |                 |            | \$260                   |  |   |
| 5.29.19 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                               | 0.3                | hours           | \$130.00   | \$39                    | 17.0 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                               | 0.3                | hours           | \$45.00    | \$14                    | 17.0 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification                |                    |                 |            | \$53                    |  |   |
| (Subt: Assemb 5.29.17 - 5.29.19)       |                    |                 |            | \$395                   |  |   |

|                                  |             |       |       |         |
|----------------------------------|-------------|-------|-------|---------|
| 5.29 AWTS (i/s A sou PCBwh) 1 tk | Direct Cost | Total | Basic | \$1,869 |
|----------------------------------|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.29 AWTS (i/s A sou PCBwh) 1 tk |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$1,869                  |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$131                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$75                     | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$112                    | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$37                     | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$112                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$467                    |                   |
|                                  |  |                          |                   |
| Subt: AWTS (i/s A sou PCBwh) 1 t |  | \$2,336                  |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$234                    | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (i/s A sou PCBwh) 1 tk |  | \$2,569                  |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.30 AWTS (i/s TO Build) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| <b>5.30.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.30.1 - 5.30.1)         |                    |                 |            | \$39                    | tank: T-8009  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.30.2 Empty Tank T-8007</b>        |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                             |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 525 gals @ 1650 gals/hr = 0.3 hours @ 1 units/crew = 0.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank                      |                    |                 |            | \$2                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.30.3 Onsite Tanker Transport</b>  |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite transport   |   |
| Tractor                                | 0.05               | hours           | \$32.45    | \$2                     | 525 gals @ 5500 gals/load = 0.1 loads @ 0.5 hrs/trip = 0.05 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.05               | hours           | \$6.31     | \$0                     | 525 gals @ 5500 gals/load = 0.1 loads @ 0.5 hrs/trip = 0.05 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Tanker Transport         |                    |                 |            | \$2                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.30.4 Empty Tanker</b>             |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                             |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.3                | hours           | \$6.31     | \$2                     | 525 gals @ 1650 gals/hr = 0.3 hours @ 1 units/crew = 0.3 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker                    |                    |                 |            | \$2                     |   |   |
| (Subt: Assemb 5.30.2 - 5.30.4)         |                    |                 |            | \$6                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.30.5 Onsite Aqueous Treatment</b> |                    |                 |            |                         | liquid wastes transferred to AWTS by tankers  |   |
| Onsite Aqueous Treatment - Tanks       | 525.0              | gals            | \$0.1526   | \$80                    | 525 gals  | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$80                    |   |   |
| (Subt: Assemb 5.30.5 - 5.30.5)         |                    |                 |            | \$80                    | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.30.6 Steel SCA Demolition</b>     |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf sc area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 95.5 SF SCA: 3 CF @ 490 Lb/CF = 1300 Lbs   | Steel Secondary containment only; estimate 490#/CF        |
| Laborer                                | 1.5                | hours           | \$39.00    | \$59                    | 95.5 SF @ 200 SF/hour 0.5 hours @ 3 units/crew = 1.5 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 1.0                | hours           | \$45.00    | \$45                    | 95.5 SF @ 200 SF/hour 0.5 hours @ 2 units/crew = 1.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.5                | hours           | \$84.09    | \$42                    | 95.5 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.5                | hours           | \$34.40    | \$17                    | 95.5 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.5                | hours           | \$2.47     | \$1                     | 95.5 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.5                | hours           | \$30.03    | \$15                    | 95.5 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.5                | hours           | \$86.31    | \$43                    | 95.5 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.5                | hours           | \$5.41     | \$3                     | 95.5 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0.5 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel SCA Demolition            |                    |                 |            | \$225                   | area based upon steel secondary containment area  |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.30 AWTS (i/s TO Build) 1 tk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.30.7 HDPE Tank Demolition</b>       |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    |   |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 1.0                | <i>tnks @</i>   |            |                         | <i>525 gallons: 88 SF Tanks: 2.5 CF @ 245 Lb/CF = 612.5 Lbs</i>  | <i>HDPE Tanks only; estimates 245#/CF</i>                 |
| Laborer                                  | 1.3                | hours           | \$39.00    | \$51                    | 88 SF @ 200 SF/hour 0.44 hours @ 3 units/crew = 1.3 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 0.9                | hours           | \$45.00    | \$41                    | 88 SF @ 200 SF/hour 0.44 hours @ 2 units/crew = 0.9 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 0.4                | hours           | \$84.09    | \$34                    | 88 SF @ 200 SF/hour 0.44 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 0.4                | hours           | \$34.40    | \$14                    | 88 SF @ 200 SF/hour 0.44 hours @ 1 units/crew = 0.4 hours  | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 0.4                | hours           | \$2.47     | \$1                     | 88 SF @ 200 SF/hour 0.44 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 0.4                | hours           | \$30.03    | \$12                    | 88 SF @ 200 SF/hour 0.44 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 0.4                | hours           | \$86.31    | \$35                    | 88 SF @ 200 SF/hour 0.44 hours @ 1 units/crew = 0.4 hours  | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 88 SF @ 200 SF/hour 0.44 hours @ 0 units/crew = 0.0 hours  | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - FRP Tank Demolition               |                    |                 |            | <b>\$186</b>            | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
| <b>5.30.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 100.0              | <i>LF</i>       |            |                         | <i>1 tanks @ 100 LF/tank = 100 LF @ 4 Lb/LF = 400 Lbs</i>  | <i>HDPE Tanks' Piping</i>                                 |
| Laborers                                 | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @ 20 LF/hour 5.0 hours @ 2 units/crew = 10.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @ 20 LF/hour 5.0 hours @ 1 units/crew = 5.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$417</b>            | <i>piping assumed to average 100 LF/tank</i>   |   |
| <b>5.30.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 1.0 pumps/tank          |   |
| Laborers                                 | 2.0                | hours           | \$39.00    | \$78                    | 1.0 pumps @ 1 pump/hr 1.0 hours @ 2 units/crew = 2.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 1.0                | hours           | \$5.41     | \$5                     | 1.0 pumps @ 1 pump/hr 1.0 hours @ 1 units/crew = 1.0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | <b>\$83</b>             | <i>pump weight = 250# each; one pump per tank is estimated</i>   |   |
| <b>5.30.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.04               | hours           | \$39.00    | \$2                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.04               | hours           | \$45.00    | \$2                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.04               | hours           | \$30.03    | \$1                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew = 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.04               | hours           | \$5.20     | \$0                     | 0.66 CY @ 15 CY/hr = 0.0 hours @ 1 units/crew 0.0 hours  | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | <b>\$5</b>              | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.30 AWTS (i/s TO Build) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
|  |                    |                 |            |                         |  |   |
| 5.30.11 Uni'd Stabilize/Encapsulate    |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| PROCESS TONS (incl kiln dust)          | 1.3                | TONS            |            |                         | 0.7 CY debr + 15% kiln dust = 0.76 CY total total tonnage = 1.3 tons                                 | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                | 0.2                | hours           | \$39.00    | \$8                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.3                | hours           | \$45.00    | \$14                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                         | 0.1                | hours           | \$19.18    | \$2                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                   | 0.1                | hours           | \$14.39    | \$1                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                               | 0.1                | hours           | \$329.70   | \$33                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo              | 0.1                | hours           | \$136.29   | \$14                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost          | 0.0                | tons            | \$0.00     | \$0                     | 0.1 tons   |   |
| Cement Kiln Dust - Delivery Cost       | 0.0                | loads           | \$0.00     | \$0                     | 0.1 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost     | 0.1                | tons            | \$48.00    | \$5                     |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)       | 0.0                | units           | \$1,000.00 | \$0                     | 0.8 CYs @ 30 CY/unit = 0.0 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                       | 0.0                | hours           | \$19.02    | \$0                     | 0.8 CYs @ 30 CY/unit = 0.0 rolloffs @ 0.1 hours/rolloff = 0.0 hours                                  | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate           |                    |                 |            | \$76                    | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| 5.30.12 Offsite T&D - Tank Demo        |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris        | 38.5               | miles           | \$3.25     | \$125                   | 0.8 CY @ 30 CY/load = 0.0 loads @ 385 miles/trip = 38.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris         | 0.8                | CY              | \$337.50   | \$270                   | 0.8 CY @ 27 CF/CY = 20.5 CF  | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo         |                    |                 |            | \$395                   |  |   |
| (Subt: Assemb 5.30.6 - 5.30.12)        |                    |                 |            | \$1,387                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
|  |                    |                 |            |                         |  |   |
| 5.30.13 Decon SCA (wash)               |                    |                 |            |                         | not applicable - secondary containmnet demolished with primary tank                                  |   |
| Subt - Decon SCA (wash)                |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| 5.30.14 Decon SCA (rinse)              |                    |                 |            |                         |  |   |
| Subt - Decon SCA (rinse)               |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| 5.30.15 Decon Water Samp/Disp          |                    |                 |            |                         |  |   |
| Subt - Decon Water Samp/Dispose        |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| 5.30.16 PCB Wipe Samples               |                    |                 |            |                         |  |   |
| Subt - PCB Wipe/Destruct Samp          |                    |                 |            | \$0                     |  |   |
| (Subt: Assemb 5.30.13 - 5.30.16)       |                    |                 |            | \$0                     | decontamination & sampling of SCA  |   |

Total Non-Super Labor Hours 18.3



Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.30 AWTS (i/s TO Build) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                         |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.30.17 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | 18.2 hours @ 8 hr/day = 2.3 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
| PPE Usage - Mod Level C                | 0.6                | days            | \$9.00     | \$5                     | 18.2 hours @ 8 hr/day = 2.3 days @ 25% "Mod C" days = 0.6 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                    | 1.7                | days            | \$25.00    | \$43                    | 18.2 hours @ 8 hr/day = 2.3 days @ 75% "C" days = 1.7 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                        | 0.5                | hours           | \$75.00    | \$38                    | 18.2 hours @ 2.5% hr/hr = 0.5 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$85                    |  |   |
| 5.30.18 Supervision                    |                    |                 |            |                         | 0.1 weeks supervisory time for closure of 1 tank   |   |
| Foreman                                | 4.0                | hours           | \$65.00    | \$260                   | 0.1 weeks @ 40 hrs/wk = 4.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                 |                    |                 |            | \$260                   |  |   |
| 5.30.19 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                               | 0.3                | hours           | \$130.00   | \$39                    | 18.2 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                               | 0.3                | hours           | \$45.00    | \$14                    | 18.2 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification                |                    |                 |            | \$53                    |  |   |
| (Subt: Assemb 5.30.17 - 5.30.19)       |                    |                 |            | \$398                   |  |   |

|                                 |             |       |       |         |
|---------------------------------|-------------|-------|-------|---------|
| 5.30 AWTS (i/s A TO Build) 1 tk | Direct Cost | Total | Basic | \$1,910 |
|---------------------------------|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                  |  |                          |                   |
|----------------------------------|--|--------------------------|-------------------|
| 5.30 AWTS (i/s TO Build) 1 tk    |  |                          |                   |
| Total Cost Summary               |  |                          |                   |
|                                  |  |                          |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal      |  | \$1,910                  |                   |
|                                  |  |                          |                   |
| Plus Indirect Costs/Profit:      |  |                          |                   |
| Site Activity Management Costs   | 7.00%                                    | \$134                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$76                     | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$115                    | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$38                     | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$115                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$478                    |                   |
|                                  |  |                          |                   |
| Subt: AWTS (i/s A TO Build) 1 t  |  | \$2,388                  |                   |
|                                  |  |                          |                   |
| Plus Contingency                 | 10.00%                                   | \$239                    | CWM and DEC 10%   |
|                                  |  |                          |                   |
| Tot: AWTS (i/s A TO Build) 1 tk  |  | \$2,626                  |                   |
|                                  |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.31 AWTS (i/s A sou Full Trailer) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
|  |                    |                 |            |                         |   |   |
| <b>5.31.1 Inventory Verification</b>   |                    |                 |            |                         | prod'n rates: 50 drums/hr; 15 min/tanker or rolloff; 30 min/tank; two persons required                |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                    | 1 tanks @ 0.5 hour/tank = 0.5 hours @ 2 units/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Subtotal - Inventory Verification      |                    |                 |            | \$39                    |   |   |
| (Subt: Assemb 5.31.1 - 5.30.1)         |                    |                 |            | \$39                    | tank: T-8010  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.31.2 Empty Tank T-8007</b>        |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                             |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.6                | hours           | \$6.31     | \$4                     | 1000 gals @ 1650 gals/hr = 0.6 hours @ 1 units/crew = 0.6 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank                      |                    |                 |            | \$4                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.31.3 Onsite Tanker Transport</b>  |                    |                 |            |                         | production rate = 0.5 hours/trip for onsite transport   |   |
| Tractor                                | 0.1                | hours           | \$32.45    | \$3                     | 1000 gals @ 5500 gals/load = 0.2 loads @ 0.5 hrs/trip = 0.1 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver                                 | 0.0                | hours           | \$45.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Tank Trailer (5,500 gals)              | 0.1                | hours           | \$6.31     | \$1                     | 1000 gals @ 5500 gals/load = 0.2 loads @ 0.5 hrs/trip = 0.1 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Onsite Tanker Transport         |                    |                 |            | \$4                     |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.31.4 Empty Tanker</b>             |                    |                 |            |                         | production rate = 1,650 gals/hour; RSM/UP p. 9-171 (line item 33-19-0101)                             |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | Labor included in third party operation of AWTS   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Pumping Equipment                      | 0.0                | hours           | \$0.00     | \$0                     | Existing equipment part of tank system  | RSM/UP p. 9-171 (line item 33-19-0108)                    |
| Tank Trailer (5,500 gals)              | 0.6                | hours           | \$6.31     | \$4                     | 1000 gals @ 1650 gals/hr = 0.6 hours @ 1 units/crew = 0.6 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tanker                    |                    |                 |            | \$4                     |   |   |
| (Subt: Assemb 5.31.2 - 5.31.4)         |                    |                 |            | \$11                    |   |   |
|  |                    |                 |            |                         |   |   |
| <b>5.31.5 Onsite Aqueous Treatment</b> |                    |                 |            |                         | liquid wastes transferred to AWTS by tankers  |   |
| Onsite Aqueous Treatment - Tanks       | 1000.0             | gals            | \$0.1526   | \$153                   | 1000 gals   | AWTS cost for groundwater                                 |
| Subt - Onsite Aqueous Treatment        |                    |                 |            | \$153                   |   |   |
| (Subt: Assemb 5.31.5 - 5.31.5)         |                    |                 |            | \$153                   | onsite treatment of tanks' waste liquids  |   |
|  |                    |                 |            |                         |   |   |
| <b>5.31.6 Steel SCA Demolition</b>     |                    |                 |            |                         | prod'n rate = 200 SF/hr (rsm/up 16-01-0142/0216/0308, pp. 3-2/3-3,3-5); 1 CF debris per 36 sf sc area |   |
| No. of Tanks/Capacity/Area/Weight      | 0.0                | tnks @          |            |                         | 0 gallons: 90 SF SCA: 3 CF @ 490 Lb/CF = 1225 Lbs   | Steel Tanks only; estimate 490#/CF                        |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 3 units/crew = 0 hours   | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 2 units/crew = 0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                              | 0.0                | hours           | \$84.09    | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0 hours   | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                | 0.0                | hours           | \$34.40    | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                        | 0.0                | hours           | \$2.47     | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0 hours   | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0 hours   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                             | 0.0                | hours           | \$86.31    | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0 hours   | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                      | 0.0                | hours           | \$5.41     | \$0                     | 0 SF @ 200 SF/hour 0.5 hours @ 1 units/crew = 0 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - Steel SCA Demolition            |                    |                 |            | \$0                     | tank areas based upon steel tank plus steel secondary containment area                                |   |
|  |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.31 AWTS (i/s A sou Full Trailer) 1 tk

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.31.7 HDPE Tank Demolition</b>       |                    |                 |            |                         | production rate = 200 SF/hour (same as steel tank demolition rate); 1 CF debris per 36 SF tank area    | 168 SF Tank & 178 SF Secondary Containment                |
| <i>No. of Tanks/Capacity/Area/Weight</i> | 1.0                | <i>tnks @</i>   |            |                         | <i>1000 gallons:      346 SF Tanks:      9.6 CF @      245 Lb/CF =      2354 Lbs</i>                   | <i>HDPE Tanks &amp; HDPLE Secondary Containment</i>       |
| Laborer                                  | 5.2                | hours           | \$39.00    | \$203                   | 346 SF @      200 SF/hour      1.7 hours @      3 units/crew =      5.2 hours                          | HASP req's two: loaded labor rate 2011 3rd party quote    |
| Equipment Operator (Medium)              | 3.5                | hours           | \$45.00    | \$158                   | 346 SF @      200 SF/hour      1.7 hours @      2 units/crew =      3.5 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Excavator                                | 1.7                | hours           | \$84.09    | \$143                   | 346 SF @      200 SF/hour      1.7 hours @      1 units/crew =      1.7 hours                          | RSM/HC p. 467 (line item 01 54 33 20 0320)                |
| Metal Shears Attachment                  | 1.7                | hours           | \$34.40    | \$58                    | 346 SF @      200 SF/hour      1.7 hours @      1 units/crew =      1.7 hours                          | 2004 DEC Rate * Implicit Deflator                         |
| Claw Attachment                          | 1.7                | hours           | \$2.47     | \$4                     | 346 SF @      200 SF/hour      1.7 hours @      1 units/crew =      1.7 hours                          | RSM/HC p. 477 (line item 01 54 33 20 0345)                |
| Loader                                   | 1.7                | hours           | \$30.03    | \$51                    | 346 SF @      200 SF/hour      1.7 hours @      1 units/crew =      1.7 hours                          | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Yard Crane                               | 1.7                | hours           | \$86.31    | \$147                   | 346 SF @      200 SF/hour      1.7 hours @      1 units/crew =      1.7 hours                          | RSM/HC p. 474 (line item 01 54 33 60 2700)                |
| Welding Equipment                        | 0.0                | hours           | \$5.41     | \$0                     | 346 SF @      200 SF/hour      1.7 hours @      0 units/crew =      0.0 hours                          | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - HDPE Tank Demolition              |                    |                 |            | <b>\$764</b>            | <i>tank areas based upon actual tank dimensions, or upon OSWER 9476.00-6, Vol 3, p. 5-5</i>            |   |
| <b>5.31.8 Tank Piping Demolition</b>     |                    |                 |            |                         | avg prod'n rate = 20 LF/hr, rsm/up p. 3-10 (16-01-0621/0622) for 2"/4" metal pipe @ 4#/LF              |   |
| <i>Estimated Piping Length</i>           | 100.0              | <i>LF</i>       |            |                         | <i>1 tanks @      100 LF/tank =      100 LF @      4 Lb/LF =      400 Lbs</i>                          | <i>combined Steel and HDPE Tanks' Piping</i>              |
| Laborers                                 | 10.0               | hours           | \$39.00    | \$390                   | 100 LF @      20 LF/hour      5.0 hours @      2 units/crew =      10.0 hours                          | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 5.0                | hours           | \$5.41     | \$27                    | 100 LF @      20 LF/hour      5.0 hours @      1 units/crew =      5.0 hours                           | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Piping Demolition      |                    |                 |            | <b>\$417</b>            | <i>piping assumed to average 100 LF/tank</i>   |   |
| <b>5.31.9 Tank Pump Demolition</b>       |                    |                 |            |                         | prod'n rate = 1 pump/hr (see RSM/UP p. 3-11, 16-01-0634 and 16-01-0636) assume 0.5 pumps/tank          |   |
| Laborers                                 | 1.0                | hours           | \$39.00    | \$39                    | 0.5 pumps @      1 pump/hr      0.5 hours @      2 units/crew =      1.0 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Welding Equipment                        | 0.5                | hours           | \$5.41     | \$3                     | 0.5 pumps @      1 pump/hr      0.5 hours @      1 units/crew =      0.5 hours                         | RSM/HC p. 473 (line item 01 54 33 40 7800)                |
| Subt - All Tanks' Pump Demolition        |                    |                 |            | <b>\$42</b>             | <i>pump weight = 250# each; one pump per tank is estimated</i>   |   |
| <b>5.31.10 Load Tank Demo Debris</b>     |                    |                 |            |                         | production rate = 15 CY/hour; RSM/BC p. 42 (line item 02225-730-3080)                                  |   |
| Laborer                                  | 0.06               | hours           | \$39.00    | \$2                     | 1.0 CY @      15 CY/hr =      0.06 hours @      1 units/crew      0.06 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)              | 0.06               | hours           | \$45.00    | \$3                     | 1.0 CY @      15 CY/hr =      0.06 hours @      1 units/crew =      0.06 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                   | 0.06               | hours           | \$30.03    | \$2                     | 1.0 CY @      15 CY/hr =      0.06 hours @      1 units/crew =      0.06 hours                         | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                     | 0.06               | hours           | \$5.20     | \$0                     | 1.0 CY @      15 CY/hr =      0.06 hours @      1 units/crew      0.06 hours                           | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Load Tank Demo Debris             |                    |                 |            | <b>\$7</b>              | <i>1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps</i> |   |
|  |                    |                 |            |                         |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.31 AWTS (i/s A sou Full Trailer) 1 tk

| Basic Closure Activities: Direct Costs     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| <b>5.31.11 Unl'd Stabilize/Encapsulate</b> |                    |                 |            |                         | production rate = 15 tons/hour = 120 tons/day; includes unloading, shredding, and filling containers |   |
| <i>PROCESS TONS (incl kiln dust)</i>       | 1.3                | TONS            |            |                         | 1.0 CY debr + 15% kiln dust = 1.15 CY total total tonnage = 1.9 tons                                 | total tons derived from foregoing assemblies + kiln dust  |
| Laborer                                    | 0.2                | hours           | \$39.00    | \$8                     | 1.9 tons @ 15 tons/hr @ 0.1 hours @ 2 units/crew = 0.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)                | 0.3                | hours           | \$45.00    | \$14                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 3 units/crew = 0.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Backhoe (1 CY)                             | 0.1                | hours           | \$19.18    | \$2                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 467 (line item 01 54 33 20 0460)                |
| Loader, Wheel (1 CY)                       | 0.1                | hours           | \$14.39    | \$1                     | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)                |
| Shredder                                   | 0.1                | hours           | \$329.70   | \$33                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Mixing Pit/Screening/Silo                  | 0.1                | hours           | \$136.29   | \$14                    | 1.3 tons @ 15 tons/hr @ 0.1 hours @ 1 units/crew = 0.1 hours   | 2004 DEC Rate * Implicit Deflator                         |
| Cement Kiln Dust - Mat'l Cost              | 0.0                | tons            | \$0.00     | \$0                     | 0.3 tons   |   |
| Cement Kiln Dust - Delivery Cost           | 0.0                | loads           | \$0.00     | \$0                     | 0.3 tons @ 20 ton/load = 0.0 loads   |   |
| Cement Kiln Dust - Mat'l&Delv Cost         | 0.3                | tons            | \$48.00    | \$14                    |  | CWM actual 2011 costs                                     |
| Encapsulation Containers (30-CY)           | 0.03               | units           | \$1,000.00 | \$30                    | 1.15 CYs @ 30 CY/unit = 0.03 containers  | CWM actual 2011 costs                                     |
| Rolloffs (30-CY)                           | 0.03               | hours           | \$19.02    | \$1                     | 1.15 CYs @ 30 CY/unit = 0.04 rolloffs @ 0.1 hours/rolloff = 0.03 hours                               | dumpster RSM/BC p. 42 (02225-730-0800)                    |
| Subt - Stabilize/Encapsulate               |                    |                 |            | \$116                   | 1 CY tank demo debris = to 972 SF @ 1/3rd" thick; and/or 432 LF of 3" diam pipe; and/or 2 pumps      |   |
|  |                    |                 |            |                         |  |   |
| <b>5.31.12 Offsite T&amp;D - Tank Demo</b> |                    |                 |            |                         | offsite disposal is determined to be the only disposal option  |   |
| Offsite Transportation - Debris            | 38.5               | miles           | \$3.25     | \$125                   | 1.15 CY @ 30 CY/load = 0.03 loads @ 385 miles/trip = 38.5 miles                                      | Rate: transporters quote/site experience                  |
| Offsite Disposal - Tank Debris             | 1.15               | CY              | \$337.50   | \$388                   | 1.15 CY @ 27 CF/CY = 31.1 CF   | DEC 2004 Estimate accounting for inflation                |
| Subt - Offsite T&D - Tank Demo             |                    |                 |            | \$513                   |  |   |
| (Subt: Assemb 5.31.6 - 5.31.12)            |                    |                 |            | \$1,859                 | tank/piping/pump demolition, and offsite transportation & disposal                                   |   |
|  |                    |                 |            |                         |  |   |
| <b>5.31.13 Decon SCA (wash)</b>            |                    |                 |            |                         | not applicable - secondary containmment demolished with primary tank                                 |   |
| Subt - Decon SCA (wash)                    |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.31.14 Decon SCA (rinse)</b>           |                    |                 |            |                         |  |   |
| Subt - Decon SCA (rinse)                   |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.31.15 Decon Water Samp/Disp</b>       |                    |                 |            |                         |  |   |
| Subt - Decon Water Samp/Dispose            |                    |                 |            | \$0                     |  |   |
|  |                    |                 |            |                         |  |   |
| <b>5.31.16 PCB Wipe Samples</b>            |                    |                 |            |                         |  |   |
| Subt - PCB Wipe/Destruct Samp              |                    |                 |            | \$0                     |  |   |
| (Subt: Assemb 5.31.13 - 5.31.16)           |                    |                 |            | \$0                     | decontamination & sampling of SCA  |   |

Total Non-Super Labor Hours 21.3

Overall Site-Wide Closure Cost Estimate  
6/6/2012

5.31 AWTS (i/s A sou Full Trailer) 1 tk

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                         |
|--|--------------------|-----------------|------------|-------------------------|--|---|
| 5.31.17 PPE Usage/H&S Planning         |                    |                 |            |                         | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 0.0                | days            | \$0.00     | \$0                     | 21.3 hours @ 8 hr/day = 2.7 days @ 0% "D" days = 0.0 days  | Standard Work Clothes - Site Experience             |
|  | 0.7                | days            | \$9.00     | \$6                     | 21.3 hours @ 8 hr/day = 2.7 days @ 25% "Mod C" days = 0.7 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                    | 2.0                | days            | \$25.00    | \$50                    | 21.3 hours @ 8 hr/day = 2.7 days @ 75% "C" days = 2.0 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                        | 0.5                | hours           | \$75.00    | \$38                    | 21.3 hours @ 2.5% hr/hr = 0.5 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$94                    |  |   |
| 5.31.18 Supervision                    |                    |                 |            |                         | 0.2 weeks supervisory time for closure of 1 tank   |   |
| Foreman                                | 8.0                | hours           | \$65.00    | \$520                   | 0.2 weeks @ 40 hrs/wk = 8.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project manager                   | 0.0                | hours           | \$75.00    | \$0                     | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                 |                    |                 |            | \$520                   |  |   |
| 5.31.19 Certification                  |                    |                 |            |                         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                               | 0.3                | hours           | \$130.00   | \$39                    | 21.3 hours @ 0.015 hr/hr = 0.3 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                               | 0.3                | hours           | \$45.00    | \$14                    | 21.3 hours @ 0.015 hr/hr = 0.3 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal -Certification                |                    |                 |            | \$53                    |  |   |
| (Subt: Assemb 5.31.17 - 5.31.19)       |                    |                 |            | \$666                   |  |   |

|   |             |       |       |         |
|---|-------------|-------|-------|---------|
| 5.31 AWTS (i/s A south Full Trailer) 1 tk | Direct Cost | Total | Basic | \$2,728 |
|---|-------------|-------|-------|---------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|   |  |                          |                   |
|---|--|--------------------------|-------------------|
| 5.31 AWTS (i/s A sou Full Trailer) 1 tk |  |                          |                   |
| Total Cost Summary                      |  |                          |                   |
|   |  |                          |                   |
| Cost Category                           | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011<br>Cost | Cost Range        |
| Direct Costs/Basic Disposal             |  | \$2,728                  |                   |
|   |  |                          |                   |
| Plus Indirect Costs/Profit:             |  |                          |                   |
| Site Activity Management Costs          | 7.00%                                    | \$191                    | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office        | 4.00%                                    | \$109                    | note: DEC uses 4% |
| Pre-Construction Design Costs           | 6.00%                                    | \$164                    | note: DEC uses 6% |
| Engineering During Construction         | 2.00%                                    | \$55                     | note: DEC uses 2% |
| General Contractor Profit               | 6.00%                                    | \$164                    | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal           | 25.00%                                   | \$682                    |                   |
|   |  |                          |                   |
| Subt: AWTS (i/s A sou Full Trailer) 1 t |  | \$3,411                  |                   |
|   |  |                          |                   |
| Plus Contingency                        | 10.00%                                   | \$341                    | CWM and DEC 10%   |
|   |  |                          |                   |
| Tot: AWTS (i/s A sou Full Trailer) 1 tk |  | \$3,752                  |                   |
|   |  |                          |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

6.0 Fac Ponds

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                            |
|---|--------------------|-----------------|------------|--|---|---|--|
| 6.1 Inventory Verification                |                    |                 |            |  |   | production rate: 0.5 hour/pond to take depth estimate and estimate volume; two persons required |  |
| Laborer                                   | 3.0                | hours           | \$39.00    | \$117                                      | \$117                                     | 3 ponds @ 0.5 hr/pond = 1.5 hours @ 2 units/crew = 3.0 hours                                    | HASP req's two: loaded labor rate 2011 3rd party quote |
| Subtotal - Inventory Verification         |                    |                 |            | \$117                                      | \$117                                     | Fac Pond 8 out of service and empty   |  |
| (Subt: Assemblies 6.1 thru 6.1)           |                    |                 |            | \$117                                      | \$117                                     | inventory of liquid volumes in Ponds 1/2, 3, and 8 at closure                                   |  |
| 6.2 Ponds' Sampling & Analysis            |                    |                 |            |  |   | production rate = 2.0 hours per composite sample for a three-person crew                        |  |
| Batch Sampling Events                     |                    |                 |            |  |   | 2 events @ 3 samp/evnt= 6 samples   | sampling & analysis prior to pond discharge            |
| Technician                                | 36.0               | hours           | \$38.00    | \$1,368                                    | \$1,368                                   | 6 samps @ 2.0 hrs/samp = 12.0 hours @ 3 units/crew = 36.0 hours                                 | technician rate: rate 2011 3rd party quote             |
| Sampling Equipment                        | 12.0               | hours           | \$25.00    | \$300                                      | \$300                                     | 6 samps @ 2.0 hrs/samp = 12.0 hours @ 1 units/crew = 12.0 hours                                 | boat, samplers, meters, etc.                           |
| Sampling Supplies                         | 6.0                | samp            | \$25.00    | \$150                                      | \$150                                     | 6 samples   | bottles, shipping supplies                             |
| pH  | 6.0                | samp            | \$10.67    | \$64                                       | \$64                                      | 6 samples   | analytical price: average of three quotes              |
| Specific Conductance                      | 6.0                | samp            | \$13.33    | \$80                                       | \$80                                      | 6 samples   | analytical price: average of three quotes              |
| Temperature                               | 6.0                | samp            | -          | \$0  | \$0                                       | 6 samples obtained using field equipment  | Obtained using field equipment                         |
| Dissolved Oxygen                          | 6.0                | samp            | -          | \$0  | \$0                                       | 6 samples obtained using field equipment  | Obtained using field equipment                         |
| Total Dissolved solids (TDS)              | 6.0                | samp            | \$15.00    | \$90                                       | \$90                                      | 6 samples   | analytical price: average of three quotes              |
| TDVS (total dissolved volatile solids)    | 6.0                | samp            | \$23.33    | \$140                                      | \$140                                     | 6 samples   | analytical price: average of three quotes              |
| Alkalinity as CaCO3                       | 6.0                | samp            | \$15.33    | \$92                                       | \$92                                      | 6 samples   | analytical price: average of three quotes              |
| TOC                                       | 6.0                | samp            | \$31.67    | \$190                                      | \$190                                     | 6 samples   | analytical price: average of three quotes              |
| Ca/Mg Hardness (200.7)                    | 6.0                | samp            | \$24.33    | \$146                                      | \$146                                     | 6 samples   | analytical price: average of three quotes              |
| Total Suspended Solids (TSS)              | 6.0                | samp            | \$13.33    | \$80                                       | \$80                                      | 6 samples   | analytical price: average of three quotes              |
| Settleable Solids                         | 6.0                | samp            | \$13.33    | \$80                                       | \$80                                      | 6 samples   | analytical price: average of three quotes              |
| Ammonia (NH3)                             | 6.0                | samp            | \$22.67    | \$136                                      | \$136                                     | 6 samples   | analytical price: average of three quotes              |
| Phosphorous                               | 6.0                | samp            | \$20.00    | \$120                                      | \$120                                     | 6 samples   | analytical price: average of three quotes              |
| TON (TKN-NH3)                             | 6.0                | samp            | \$41.67    | \$250                                      | \$250                                     | 6 samples   | analytical price: average of three quotes              |
| Cyanide                                   | 6.0                | samp            | \$35.00    | \$210                                      | \$210                                     | 6 samples   | analytical price: average of three quotes              |
| Sulfates                                  | 6.0                | samp            | \$21.00    | \$126                                      | \$126                                     | 6 samples   | analytical price: average of three quotes              |
| Sulfides                                  | 6.0                | samp            | \$25.00    | \$150                                      | \$150                                     | 6 samples   | analytical price: average of three quotes              |
| Surfactants (MBAS)                        | 6.0                | samp            | \$28.33    | \$170                                      | \$170                                     | 6 samples   | analytical price: average of three quotes              |
| BOD-5                                     | 6.0                | samp            | \$30.00    | \$180                                      | \$180                                     | 6 samples   | analytical price: average of three quotes              |
| Fluoride                                  | 6.0                | samp            | \$19.33    | \$116                                      | \$116                                     | 6 samples   | analytical price: average of three quotes              |
| Chlorine                                  | 6.0                | samp            | \$19.33    | \$116                                      | \$116                                     | 6 samples   | analytical price: average of three quotes              |
| Residual Chlorine                         | 6.0                | samp            | \$15.00    | \$90                                       | \$90                                      | 6 samples   | analytical price: average of three quotes              |
| NO2                                       | 6.0                | samp            | \$21.00    | \$126                                      | \$126                                     | 6 samples   | analytical price: average of three quotes              |
| NO3                                       | 6.0                | samp            | \$19.33    | \$116                                      | \$116                                     | 6 samples   | analytical price: average of three quotes              |
| VOCs (624)                                | 6.0                | samp            | \$105.00   | \$630                                      | \$630                                     | 6 samples   | analytical price: average of three quotes              |
| Semi-volatile organics (625)              | 6.0                | samp            | \$208.33   | \$1,250                                    | \$1,250                                   | 6 samples   | analytical price: average of three quotes              |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 6.0                | samp            | \$133.33   | \$800                                      | \$800                                     | 6 samples   | analytical price: average of three quotes              |
| Oil & Grease (1631)                       | 6.0                | samp            | \$21.67    | \$130                                      | \$130                                     | 6 samples   | analytical price: average of three quotes              |
| total Phenols                             | 6.0                | samp            | \$26.67    | \$160                                      | \$160                                     | 6 samples   | analytical price: average of three quotes              |
| Priority Pollutant Metals (200.7) *       | 6.0                | samp            | \$188.00   | \$1,128                                    | \$1,128                                   | 6 samples   | analytical price: average of three quotes              |
| Mercury (245.1)                           | 6.0                | samp            | \$25.00    | \$150                                      | \$150                                     | 6 samples   | analytical price: average of three quotes              |
| Mercury (1631B)                           | 6.0                | samp            | \$111.67   | \$670                                      | \$670                                     | 6 samples   | analytical price: average of three quotes              |
| Acute Toxicity/Bioassy                    | 2.0                | samp            | \$3,800.00 | \$7,600                                    | \$7,600                                   | 2 samples   | One quote: actual cost for 2010                        |
| Subt - Ponds' Sampling & Analysis         |                    |                 |            | \$17,204                                   | \$17,204                                  | two pond discharges (batches) requiring sampling & analysis (Fac Pond 8 empty)                  | Fac Pond 8 out of service empty                        |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

6.0 Fac Ponds

| Basic Closure Activities: Direct Costs        | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|--|---|---|---|
| <b>6.3 S&amp;A Certification &amp; Report</b> |                    |                 |            |  |   | one event per year for divers to check discharge pipe; two 40-hour predischARGE qualification reports |   |
| Divers (Sr. Technicians)                      | 0.0                | hours           | \$0.00     | \$0  | \$0                                       | Included in underwater inspection below   |   |
| SCBA Gear (2 units)                           | 0.0                | hours           | \$0.00     | \$0  | \$0                                       | Included in underwater inspection below   |   |
| Laborer (Surface Support)                     | 0.0                | hours           | \$0.00     | \$0  | \$0                                       | Included in underwater inspection below   |   |
| Underwater Inspection                         | 1.0                | each            | \$4,000.00 | \$4,000                                    | \$4,000                                   | \$4,000 per event @ 1 event per year  | Based on 2010 site rate of \$3,500                        |
| Engineer (Report)                             | 80.0               | hours           | \$130.00   | \$10,400                                   | \$10,400                                  | 2 events @ 40 hrs/event = 80.0 hours @ 1 units/crew = 80.0 hours                                      | Eng Rate: rate 2011 3rd party quote                       |
| Subt - S&A Cert'n & Report                    |                    |                 |            | <b>\$14,400</b>                            | <b>\$14,400</b>                           | <i>diver(s) to check discharge pipe; also engineer's predischARGE qualification report</i>            | Fac Pond 8 out of service empty                           |
| <i>(Subt: Assemblies 6.2 thru 6.3)</i>        |                    |                 |            | <b>\$31,604</b>                            | <b>\$31,604</b>                           |   |   |
| <b>6.4 Empty (Pump) FAC Pond 1/2</b>          |                    |                 |            |  |   | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M    |   |
| <i>FAC Pond 1/2 Inventory in Gallons</i>      | <i>25600000</i>    | <i>gals</i>     | <i>n/a</i> |  |   | <i>426.7 total hours req'd to pump</i>  | <i>Fac Pond 1/2 = 25,600,000 gallons</i>                  |
| AWTS Tech'n (8-hr day shift/straight time)    | 213.3              | day hrs         | \$65.00    | \$13,865                                   | \$13,865                                  | 426.7 tot hrs @ 50% (day shift) = 213.3 hours @ 1 units/crew = 213.3 hours                            | technician rate: rate 2011 3rd party quote                |
| AWTS Tech'n (8-hr night shift/straight time)  | 213.3              | nite hrs        | \$65.00    | \$13,865                                   | \$13,865                                  | 426.7 tot hrs @ 50% (night shift) = 213.3 hours @ 1 units/crew = 213.3 hours                          | technician rate: rate 2011 3rd party quote                |
| AWTS Supervisor (day shift only)              |                    | day hrs         | \$85.00    | \$0  | \$0                                       | Supervisor included in 6.25 below   |   |
| Maintenance (day shift only)                  | 128.0              | day hrs         | \$45.00    | \$5,760                                    | \$5,760                                   | 426.7 tot hrs @ 30% (total hrs) = 128.0 hours @ 1 units/crew = 128.0 hours                            | maintenance rate: rate 2011 3rd party quote               |
| Tech/Sampler (day shift only)                 | 42.7               | day hrs         | \$38.00    | \$1,623                                    | \$1,623                                   | 426.7 tot hrs @ 10% (total hrs) = 42.7 hours @ 1 units/crew = 42.7 hours                              | technician rate: rate 2011 3rd party quote                |
| Engineer (day shift only)                     |                    | day hrs         | \$90.00    | \$0  | \$0                                       | Engineer included in 6.25 below   |   |
| Settleable Solids                             | 106.7              | samp            | \$13.33    | \$1,422                                    | \$1,422                                   | 426.7 hours @ 1.0 sample per 4.0 hours = 106.7 samples  | analytical price: average of three quotes                 |
| Dissolved Oxygen                              | 5.3                | samp            | -          | \$0  | \$0                                       | 426.7 hours @ 1.0 sample per 80.0 hours = 5.3 samples   | analytical price: average of three quotes                 |
| Sulfide (total)                               | 5.3                | samp            | \$25.00    | \$133                                      | \$133                                     | 426.7 hours @ 1.0 sample per 80.0 hours = 5.3 samples   | analytical price: average of three quotes                 |
| Discharge Pump (6"/1,000 gal/min)             | 426.7              | total hrs       | \$12.34    | \$5,265                                    | \$5,265                                   | 426.7 tot hrs @ 100% total time = 426.7 hours @ 1 units/crew = 426.7 hours                            | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam/3,000 LF)             | 1280000.0          | foot-hrs        | \$0.0110   | \$14,080                                   | \$14,080                                  | 426.7 tot hrs @ 100% total time = 426.7 hours @ 3000 LF/crew = 1280000 foot-hrs                       | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subtotal - Pump FAC Pond 1/2                  |                    |                 |            | <b>\$56,012</b>                            | <b>\$56,012</b>                           | <i>transfer contents of FAC Pond 1/2 to discharge pipe to Niagara River (3,000 ft)</i>                |   |
| <b>6.5 Treat FAC Pond 3 Contents</b>          |                    |                 |            |  |   | FAC Pond 3 contents already have been treated; no further treatment required.                         |   |
| Treat FAC Pond 3 Contents                     |                    | gals            | \$0.00     | \$0  | \$0                                       |   | used unit price of \$0.00/gal as no treatment is required |
| Subt - Treat FAC Pond 3 Contents              |                    |                 |            | <b>\$0</b>                                 | <b>\$0</b>                                | <i>no treatment required for FAC Pond 3 contents prior to discharge</i>                               |   |
| <b>6.6 Tranfer (Pump) FAC Pond 8</b>          |                    |                 |            |  |   | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M    | Avg 28.8 inches precipaiton per year                      |
| <i>FAC Pond 8 Inventory in Gallons</i>        | <i>5430480.0</i>   | <i>gals</i>     | <i>n/a</i> |  |   | <i>302,500 SF @ 2.4 FT/year = 726,000 CF @ 7.48 gal/CF = 5,430,480 gallons</i>                        | <i>Fac Pond 8 = 5,430,480 gallons</i>                     |
| AWTS Tech'n (8-hr day shift/straight time)    | 45.3               | day hrs         | \$65.00    | \$2,945                                    | \$2,945                                   | 90.5 tot hrs @ 50% (day shift) = 45.25 hours @ 1 units/crew = 45.3 hours                              | technician rate: rate 2011 3rd party quote                |
| AWTS Tech'n (8-hr night shift/straight time)  | 45.3               | nite hrs        | \$65.00    | \$2,945                                    | \$2,945                                   | 90.5 tot hrs @ 50% (night shift) = 45.25 hours @ 1 units/crew = 45.3 hours                            | technician rate: rate 2011 3rd party quote                |
| AWTS Supervisor (day shift only)              | 0.0                | day hrs         | \$85.00    | \$0  | \$0                                       | Supervisor included in 6.25 below   |   |
| Maintenance (day shift only)                  | 27.2               | day hrs         | \$39.00    | \$1,061                                    | \$1,061                                   | 90.5 tot hrs @ 30% (total hrs) = 27.2 hours @ 1 units/crew = 27.2 hours                               | maintenance rate: rate 2011 3rd party quote               |
| Tech/Sampler (day shift only)                 | 0.0                | day hrs         | \$38.00    | \$0  | \$0                                       | Not required  | technician rate: rate 2011 3rd party quote                |
| Engineer (day shift only)                     | 0.0                | day hrs         | \$90.00    | \$0  | \$0                                       | Engineer included in 6.25 below   |   |
| Settleable Solids                             | 0.0                | samp            | \$13.33    | \$0  | \$0                                       | Not required  | analytical price: average of three quotes                 |
| Dissolved Oxygen                              | 0.0                | samp            | -          | \$0  | \$0                                       | Not required  | analytical price: average of three quotes                 |
| Sulfide (total)                               | 0.0                | samp            | \$25.00    | \$0  | \$0                                       | Not required  | analytical price: average of three quotes                 |
| Discharge Pump (6"/1,000 gal/min)             | 90.5               | total hrs       | \$12.34    | \$1,117                                    | \$1,117                                   | 90.5 tot hrs @ 100% total time = 90.5 hours @ 1 units/crew = 90.5 hours                               | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam/3000 LF)              | 271500.0           | foot-hrs        | \$0.0110   | \$2,987                                    | \$2,987                                   | 90.5 tot hrs @ 100% total time = 90.5 hours @ 3000 LF/crew = 271500 foot-hrs                          | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subtotal - Pump FAC Pond 8                    |                    |                 |            | <b>\$11,053</b>                            | <b>\$11,053</b>                           | <i>Transfer FAC Pond 8 stormwater to FAC Ponds 1/2 prior to sampling FAC Ponds 1/2</i>                |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

6.0 Fac Ponds

| Basic Closure Activities: Direct Costs       | Estimated Quantity  | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                           |
|--|---|-----------------|------------|--|---|--|---|
| <b>6.7 Empty (Pump) FAC Pond 3</b>           |   |                 |            |  |   | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M |   |
| <i>FAC Pond 8 Inventory in Gallons</i>       | <i>48210000.0</i>   | <i>gals</i>     | <i>n/a</i> |  |   |  | <i>FAC Pond 3: 48,210,000 gals</i>                    |
| AWTS Tech'n (8-hr day shift/straight time)   | 401.8   | day hrs         | \$65.00    | \$26,117                                   | \$26,117                                  | 803.5 tot hrs @ 50% (day shift) = 401.8 hours @ 1 units/crew = 401.8 hours                         | technician rate: rate 2011 3rd party quote            |
| AWTS Tech'n (8-hr night shift/straight time) | 401.8   | nite hrs        | \$65.00    | \$26,117                                   | \$26,117                                  | 803.5 tot hrs @ 50% (night shift) = 401.8 hours @ 1 units/crew = 401.8 hours                       | technician rate: rate 2011 3rd party quote            |
| AWTS Supervisor (day shift only)             |   | day hrs         | \$85.00    | \$0  | \$0                                       | Supervisor included in 6.25 below  |   |
| Maintenance (day shift only)                 | 241.5   | day hrs         | \$39.00    | \$9,419                                    | \$9,419                                   | 803.5 tot hrs @ 30% (total hrs) = 241.1 hours @ 1 units/crew = 241.5 hours                         | maintenance rate: rate 2011 3rd party quote           |
| Tech/Sampler (day shift only)                | 80.4  | day hrs         | \$38.00    | \$3,055                                    | \$3,055                                   | 803.5 tot hrs @ 10% (total hrs) = 80.4 hours @ 1 units/crew = 80.4 hours                           | technician rate: rate 2011 3rd party quote            |
| Engineer (day shift only)                    |   | day hrs         | \$90.00    | \$0  | \$0                                       | Engineer included in 6.25 below  |   |
| Settleable Solids                            | 200.9   | samp            | \$13.33    | \$2,678                                    | \$2,678                                   | 803.5 hours @ 1.0 sample per 4.0 hours = 200.9 samples   | analytical price: average of three quotes             |
| Dissolved Oxygen                             | 10.0  | samp            | -          | \$0  | \$0                                       | 803.5 hours @ 1.0 sample per 80.0 hours = 10.0 samples Field Measurement                           | analytical price: average of three quotes             |
| Sulfide (total)                              | 10.0  | samp            | \$25.00    | \$250                                      | \$250                                     | 803.5 hours @ 1.0 sample per 80.0 hours = 10.0 samples   | analytical price: average of three quotes             |
| Discharge Pump (6"/1,000 gal/min)            | 803.5   | hours           | \$12.34    | \$9,915                                    | \$9,915                                   | 803.5 hours @ 100% total time = 803.5 hours @ 1 units/crew = 1954.5 hours                          | RSM/HC p. 475 (line item 01 54 33 70 1300)            |
| Discharge Pipe (6" Diam/0 LF)g p ( )         | 0.0   | foot-hrs        | \$0.0110   | \$0  | \$0                                       | 803.5 hours @ 100% total time = 803.5 hours @ 0 LF/crew = 0 hours                                  | RSM/HC p. 475 (line item 01 54 33 70 0300)            |
| Subtotal - Pump FAC Pond 3                   |   |                 |            | \$77,551                                   | \$77,551                                  | transfer contents of FAC Pond 3 to Niagara River   |   |
| <i>(Subt: Assemblies 6.4 thru 6.7)</i>       |   |                 |            | \$144,616                                  | \$144,616                                 |  |   |
| <b>6.8 Soil/Sed S&amp;A - FAC Pond 1/2</b>   |   |                 |            |  |   |  |   |
| <i>FAC Pond 1/2 Area in SF</i>               | <i>187500.0</i>   | <i>SF</i>       | <i>n/a</i> |  |   | <i>18.8 areas = 19 grids: 38 metals 2 hazardous 17 organ</i>                                       | <i>Fac Pond 1/2 = 187,500 SF; grids @ 100' x 100'</i> |
| Technician                                   | 114.0   | hours           | \$38.00    | \$4,332                                    | \$4,332                                   | 57 samps @ 1 hrs/samp = 57.0 hours @ 2 units/crew = 114.0 hours                                    | technician rate: rate 2011 3rd party quote            |
| Sampling Supplies                            | 57.0  | samp            | \$10.00    | \$570                                      | \$570                                     | 57 samples   | bottles, shipping supplies                            |
| USEPA 40CFR Part 264 Append IX               | 2.0   | samp            | \$1,226.67 | \$2,453                                    | \$2,453                                   | 2 samples  | analytical price: average of three quotes             |
| Priority Poll'nt Organics (semi-VOC)         | 17.0  | samp            | \$615.00   | \$10,455                                   | \$10,455                                  | 17 samples   | analytical price: average of three quotes             |
| Priority Pollutant Metals                    | 38.0  | samp            | \$158.33   | \$6,017                                    | \$6,017                                   | 38 samples   | analytical price: average of three quotes             |
| Subtotal - Soil/Sed S&A - FAC 1/2            |   |                 |            | \$23,827                                   | \$23,827                                  | sampling and analyses of FAC Pond 1/2 soils and sediments  |   |
| <b>6.9 Soil/Sed S&amp;A - FAC Pond 3</b>     |   |                 |            |  |   |  |   |
| <i>FAC Pond 3 Area in SF</i>                 | <i>495000.0</i>   | <i>SF</i>       | <i>n/a</i> |  |   | <i>12.4 areas = 13 grids: 26 metals 2 hazardous 11 organ</i>                                       | <i>Fac Pond 3 = 495,000 SF; grids @ 200' x 200'</i>   |
| Technician                                   | 78.0  | hours           | \$38.00    | \$2,964                                    | \$2,964                                   | 39 samps @ 1 hrs/samp = 39.0 hours @ 2 units/crew = 78.0 hours                                     | technician rate: rate 2011 3rd party quote            |
| Sampling Supplies                            | 39.0  | samp            | \$10.00    | \$390                                      | \$390                                     | 39 samps @   | bottles, shipping supplies                            |
| USEPA 40CFR Part 264 Append IX               | 2.0   | samp            | \$1,226.67 | \$2,453                                    | \$2,453                                   | 2 samples  | analytical price: average of three quotes             |
| Priority Poll'nt Organics (semi-VOC)         | 11.0  | samp            | \$615.00   | \$6,765                                    | \$6,765                                   | 11 samples   | analytical price: average of three quotes             |
| Priority Pollutant Metals                    | 26.0  | samp            | \$158.33   | \$4,117                                    | \$4,117                                   | 26 samples   | analytical price: average of three quotes             |
| Subtotal - Soil/Sed S&A - FAC 3              |   |                 |            | \$16,689                                   | \$16,689                                  | sampling and analyses of FAC Pond 3 soils and sediments  |   |
| <b>6.10 Soil/Sed S&amp;A - FAC Pond 8</b>    | Fac Pond 8 Sampling and Analysis performed in 2005. Report submitted November 2009. |                 |            |  |   | No COCs above background   |   |
| <i>FAC Pond 8 Area in SF</i>                 | <i>302500.0</i>   | <i>SF</i>       | <i>n/a</i> |  |   | <i>7.6 areas = 8 grids: 16 metals 2 hazardous 6 organ</i>  | <i>Fac Pond 8 = 302,500 SF; grids @ 200' x 200'</i>   |
| Technician                                   | 0.0   | hours           | \$38.00    | \$0  | \$0                                       | 24 samps @ 1 hrs/samp = 24.0 hours @ 2 units/crew = 48.0 hours                                     | technician rate: rate 2011 3rd party quote            |
| Sampling Supplies                            | 0.0   | samp            | \$10.00    | \$0  | \$0                                       | 24 samps @   | bottles, shipping supplies                            |
| USEPA 40CFR Part 264 Append IX               | 0.0   | samp            | \$1,226.67 | \$0  | \$0                                       | 2 samples  | analytical price: average of three quotes             |
| Priority Poll'nt Organics (semi-VOC)         | 0.0   | samp            | \$615.00   | \$0  | \$0                                       | 6 samples  | analytical price: average of three quotes             |
| Priority Pollutant Metals                    | 0.0   | samp            | \$158.33   | \$0  | \$0                                       | 16 samples   | analytical price: average of three quotes             |
| Subtotal - Soil/Sed S&A - FAC 8              |   |                 |            | \$0  | \$0                                       | sampling and analyses of FAC Pond 8 soils and sediments  |   |
| <i>(Subt: Assemblies 6.8 thru 6.10)</i>      |   |                 |            | \$40,516                                   | \$40,516                                  | sampling and analyses of soils and sediments from FAC Ponds 1/2, 3, and 8                          |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

6.0 Fac Ponds

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                                    | In-house Pricing References   |
|--|--------------------|-----------------|------------|--|---|---|---|
| 6.11 Excavate Soil/Sed - FAC 1/2         |                    |                 |            |  |   | production rate = 100 CY/hour, includes loading & tranport to stabilization:site experience |   |
| FAC Pond 1/2 Area in SF x 0.5' dp        | 187500.0           | SF              | n/a        |  |   | 93750 CF = 3472 CY  |   |
| Laborer                                  | 34.7               | hours           | \$39.00    | \$1,353                                    | \$1,353                                   | 3472.2 CY @ 100 CY/hr = 34.7 hours @ 1 units/crew = 34.7 hours                              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)              | 34.7               | hours           | \$45.00    | \$1,562                                    | \$1,562                                   | 3472.2 CY @ 100 CY/hr = 34.7 hours @ 1 units/crew = 34.7 hours                              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Excavator                                | 34.7               | hours           | \$84.09    | \$2,918                                    | \$2,918                                   | 3472.2 CY @ 100 CY/hr = 34.7 hours @ 1 units/crew = 34.7 hours                              | RSM/HC p. 467 (line item 01 54 33 20 0320)  |
| Driver                                   | 34.7               | hours           | \$45.00    | \$1,562                                    | \$1,562                                   | 3472.2 CY @ 100 CY/hr = 34.7 hours @ 1 units/crew = 34.7 hours                              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dump Truck (12-ton load)                 | 34.7               | hours           | \$24.78    | \$860                                      | \$860                                     | 3472.2 CY @ 100 CY/hr = 34.7 hours @ 1 units/crew = 34.7 hours                              | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Subt - Excavate Soil/Sed - FAC 1/2       |                    |                 |            | \$8,254                                    | \$8,254                                   | excavate soils and sediments from FAC Pond 1/2  |   |
| 6.12 Stabilize FAC Pond 1/2              |                    |                 |            |  |   | production rate = 100 tons/hour = 800 tons/day; includes loading for transport to landfill  |   |
| PROCESS TONS (incl kiln dust)            | 5390.6             | TONS            | n/a        |  |   | 3472 CY @ 1.35 ton/CY + 15% kiln dust = 5390.6 tons   | 1 CY = 2,700# (1.35 ton) @ 100# per CF  |
| Dump Truck (12-ton load)                 | 53.9               | hours           | 24.78      | \$1,336                                    | \$1,336                                   | 5390.6 tons @ 100 tons/hr @ 53.9 hours @ 1 units/crew = 53.9 hours                          | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Cement Kiln Dust - Mat'l&Delv Cost       | 703.1              | tons            | \$48.00    | \$33,749                                   | \$33,749                                  | 3472 CY @ 1.35 ton/CY @ 15% kiln dust = 703.1 tons  | CWM actual 2011 costs   |
| Stabilization Cost                       | 4687.2             | tons            | \$25.00    | \$117,180                                  | \$117,180                                 | 3472 CY @ 1.35 ton/CY = 4687.2 tons   | CWM actual 2011 costs inc. labor & equipment  |
| TCLP (Metals/VOCs/Semi-VOCs)             | 1.3                | each            | \$446.67   | \$581                                      | \$581                                     | 53.9 hours @ 1 test/40 hr = 1.3 tests   | analytical price: average of three quotes   |
| Subt - Stabilize FAC Pond 1/2            |                    |                 |            | \$152,845                                  | \$152,845                                 | stabilize soils and sediments from FAC Pond 1/2   |   |
| 6.13 Transp FAC 1/2: Offsite Disp        |                    |                 |            |  |   | production rate = 0.5 hours/rolloff for on-site travel                                      |   |
| Offsite Transportation - Solids          | 103757.5           | miles           | \$3.25     | \$337,212                                  | \$0                                       | 5390.6 tons @ 20 tons/load = 269.5 loads @ 385 miles/trip = 103757.5 miles                  | Rate: transporters quote/site experience  |
| Subt - FAC 1/2 to Offsite Landfill       |                    |                 |            | \$337,212                                  | \$0                                       | transport soils & sediments from FAC Pond 1/2 to offsite landfill                           |   |
| 6.13a Transp/Unload FAC 1/2: Onsite Disp |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel   |   |
| Driver                                   | 224.6              | hours           | \$45.00    | \$0  | \$10,107                                  | 5390.6 tons @ 12 tons/load = 449.2 loads @ 0.5 hours/trip = 224.6 hours                     | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dump Truck (12-ton load)                 | 224.6              | hours           | \$24.78    | \$0  | \$5,566                                   | 5390.6 tons @ 12 tons/load = 449.2 loads @ 0.5 hours/trip = 224.6 hours                     | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Subt - FAC 1/2 to Onsite Landfill        |                    |                 |            | \$0  | \$15,673                                  | onsite disposal of stabilized sediment  |   |
| 6.14 Offsite FAC 1/2 Disposal            |                    |                 |            |  |   | if onsite landfill capacity not available   |   |
| Offsite Disposal - FAC 1/2 Soil/Sed      | 5390.6             | tons            | \$133.00   | \$716,950                                  | \$0                                       | 5390.6 tons   | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite Landfill Disposal         |                    |                 |            | \$716,950                                  | \$0                                       | offsite disposal of soils & sediments from FAC Pond 1/2                                     |   |
| (Subt: Assemblies 6.11 thru 6.14)        |                    |                 |            | \$1,215,261                                | \$176,772                                 | excavation, stabilization, and T&D for FAC Pond 1/2 soils & sediments                       |   |
| 6.15 Excavate Soil/Sed - FAC 3           |                    |                 |            |  |   | production rate = 100 CY/hour, includes loading & tranport to stabilization:site experience |   |
| FAC Pond 3 Area in SF x 0.5' dp          | 495500.0           | SF              | n/a        |  |   | 247750 CF = 9176 CY   |   |
| Laborer                                  | 91.8               | hours           | \$39.00    | \$3,580                                    | \$3,580                                   | 9175.9 CY @ 100 CY/hr= 91.8 hours @ 1 units/crew= 91.8 hours                                | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)              | 91.8               | hours           | \$45.00    | \$4,131                                    | \$4,131                                   | 9175.9 CY @ 100 CY/hr = 91.8 hours @ 1 units/crew = 91.8 hours                              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Excavator                                | 91.8               | hours           | \$84.09    | \$7,719                                    | \$7,719                                   | 9175.9 CY @ 100 CY/hr = 91.8 hours @ 1 units/crew = 91.8 hours                              | RSM/HC p. 467 (line item 01 54 33 20 0320)  |
| Driver                                   | 91.8               | hours           | \$45.00    | \$4,131                                    | \$4,131                                   | 9175.9 CY @ 100 CY/hr = 91.8 hours @ 1 units/crew = 91.8 hours                              | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dump Truck (12-ton load)                 | 91.8               | hours           | \$24.78    | \$2,275                                    | \$2,275                                   | 9175.9 CY @ 100 CY/hr = 91.8 hours @ 1 units/crew = 91.8 hours                              | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Subt - Excavate Soil/Sed - FAC 3         |                    |                 |            | \$21,836                                   | \$21,836                                  | excavate soils and sediments from FAC Pond 3  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

6.0 Fac Ponds

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|---|--------------------|-----------------|------------|--|---|---|---|
| 6.16 Stabilize FAC Pond 3                 |                    |                 |            |  |   | production rate = 100 tons/hour = 800 tons/day; includes loading for transport to landfill                  |   |
| PROCESS TONS (incl kiln dust)             | 14245.6            | TONS            | n/a        |  |   | 9176 CY @ 1.35 ton/CY + 15% kiln dust = 14245.6 tons  | 1 CY = 2,700# (1.35 ton) @ 100# per CF  |
| Dump Truck (12-ton load)                  | 142.5              | hours           | 24.78      | \$3,531                                    | \$3,531                                   | 14245.6 tons @ 100 tons/hr @ 142.5 hours @ 1 units/crew = 142.5 hours                                       | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Cement Kiln Dust - Mat'l&Delv Cost        | 1858.1             | tons            | \$48.00    | \$89,189                                   | \$89,189                                  | 9176 CY @ 1.35 ton/CY @ 15% kiln dust = 1858.1 tons   | CWM actual 2011 costs   |
| Stabilization Cost                        | 12387.6            | tons            | \$25.00    | \$309,690                                  | \$309,690                                 | 9176 CY @ 1.35 ton/CY = 12387.6   | CWM actual 2011 costs inc. labor & equipment  |
| TCLP (Metals/VOCs/Semi-VOCs)              | 11.9               | each            | \$446.67   | \$5,315                                    | \$5,315                                   | 474.9 hours @ 1 test/40 hr = 11.9 tests   | analytical price: average of three quotes   |
| Subt - Stabilize FAC Pond 3               |                    |                 |            | \$407,725                                  | \$407,725                                 | stabilize soils and sediments from FAC Pond 3   |   |
| 6.17 Transp FAC 3: Offsite Disp           |                    |                 |            |  |   | production rate = 0.5 hours/rolloff for on-site travel  |   |
| Offsite Transportation - Solids           | 274235.5           | miles           | \$3.25     | \$891,265                                  | \$0                                       | 14245.6 tons @ 20 tons/load = 712.3 loads @ 1385 hours/trip = 274,235.5 miles                               | Rate: transporters quote/site experience  |
| Subt - FAC 3 to Offsite Landfill          |                    |                 |            | \$891,265                                  | \$0                                       | transport soils & sediments from FAC Pond 3 to offsite landfill   |   |
| 6.17a Transp/Unload FAC 3: Onsite Disp    |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel   |   |
| Driver                                    | 593.6              | hours           | \$45.00    | \$0  | \$26,712                                  | 14245.6 tons @ 12 tons/load = 1187.1 loads @ 0.5 hours/trip = 593.6 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dump Truck (12-ton load)                  | 593.6              | hours           | \$24.78    | \$0  | \$14,709                                  | 14245.6 tons @ 12 tons/load = 1187.1 loads @ 0.5 hours/trip = 593.6 hours                                   | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Subt - FAC 3 to Onsite Landfill           |                    |                 |            | \$0  | \$41,421                                  | onsite disposal of stabilized sediment  |   |
| 6.18 Offsite FAC 3 Disposal               |                    |                 |            |  |   | in-house estimate = \$0 for on-site disposal  |   |
| Disposal - FAC 3 Soil/Sediments           | 14245.6            | tons            | \$133.00   | \$1,894,665                                | \$0                                       | 14245.6 tons  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite Landfill Disposal          |                    |                 |            | \$1,894,665                                | \$0                                       | offsite disposal of soils & sediments from FAC Pond 3   |   |
| (Subt: Assemblies 6.15 thru 6.18)         |                    |                 |            | \$3,215,492                                | \$470,983                                 | excavation, stabilization, and T&D for FAC Pond 3 soils & sediments   |   |
| 6.19 Backfill/Grade - FAC 1/2             |                    |                 |            |  |   | production rate = 200 CY/hour, site experience w/ 2 dozers; 11,000 CY onsite soil/clay available from berms |   |
| FAC Pond 1/2 Backfill Volume              | 31250.0            | CY              | n/a        |  |   | 31250 CY minus 11000 CY onsite = 20250 CY borrow  |   |
| Laborer                                   | 156.3              | hours           | \$39.00    | \$6,094                                    | \$6,094                                   | 31250 CY @ 200 CY/hr= 156.25 hours @ 1 units/crew= 156.25 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)               | 312.5              | hours           | \$45.00    | \$14,063                                   | \$14,063                                  | 31250 CY @ 200 CY/hr= 156.25 hours @ 2 units/crew = 312.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dozer (200 hp)                            | 312.5              | hours           | \$56.38    | \$17,619                                   | \$17,619                                  | 31250 CY @ 200 CY/hr= 156.25 hours @ 2 units/crew = 312.5 hours   | RSM/HC p. 468 (line item 01 54 33 20 4260)  |
| Offsite Borrow - Material & Delivery Cost | 20250.0            | CY              | \$11.00    | \$222,750                                  | \$222,750                                 | 20250 CY  | 3rd party quote for RMU-1 final cover construction Assb. 14.0                               |
| Subt - Backfill/Grade - FAC 1/2           |                    |                 |            | \$260,525                                  | \$260,525                                 | backfill and grade FAC Pond 1/2   |   |
| 6.20 Backfill/Grade - FAC 3               |                    |                 |            |  |   | production rate = 200 CY/hour, site experience w/ 2 dozers  |   |
| FAC Pond 3 Backfill Volume                | 137500.0           | CY              | n/a        |  |   | 137500 CY minus 0 CY onsite = 137500 CY borrow  |   |
| Laborer                                   | 687.5              | hours           | \$39.00    | \$26,813                                   | \$26,813                                  | 137500 CY @ 200 CY/hr = 687.5 hours @ 1 units/crew = 687.5 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)               | 1375.0             | hours           | \$45.00    | \$61,875                                   | \$61,875                                  | 137500 CY @ 200 CY/hr = 687.5 hours @ 2 units/crew = 1375.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dozer (200 hp)                            | 1375.0             | hours           | \$56.38    | \$77,523                                   | \$77,523                                  | 137500 CY @ 200 CY/hr = 687.5 hours @ 2 units/crew = 1375.0 hours   | RSM/HC p. 468 (line item 01 54 33 20 4260)  |
| Offsite Borrow - Material & Delivery Cost | 137500.0           | CY              | \$11.00    | \$1,512,500                                | \$1,512,500                               | 137500 CY   | 3rd party quote for RMU-1 final cover construction Assb. 14.0                               |
| Subt - Backfill/Grade - FAC 3             |                    |                 |            | \$1,678,710                                | \$1,678,710                               | backfill and grade FAC Pond 3   |   |

Overall Site-Wide Closure Cost Estimate  
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6.0 Fac Ponds

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|---|--------------------|-----------------|------------|--|---|--|---|
| 6.21 Backfill/Grade - FAC 8               |                    |                 |            |  |   | production rate = 200 CY/hour, site experience w/ 2 dozers; 30,556 CY onsite soil/clay available from berms    |   |
| FAC Pond 8 Backfill Volume                | 84027.0            | CY              | n/a        |  |   | 84027 CY minus 30556 CY onsite = 53471 CY borrow   |   |
| Laborer                                   | 420.1              | hours           | \$39.00    | \$16,384                                   | \$16,384                                  | 84027 CY @ 200 CY/hr = 420.1 hours @ 1 units/crew = 420.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Equipment Operator (Medium)               | 840.3              | hours           | \$45.00    | \$37,814                                   | \$37,814                                  | 84027 CY @ 200 CY/hr = 420.1 hours @ 2 units/crew = 840.3 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Dozer (200 hp)                            | 840.3              | hours           | \$56.38    | \$47,376                                   | \$47,376                                  | 84027 CY @ 200 CY/hr = 420.1 hours @ 2 units/crew = 840.3 hours  | RSM/HC p. 468 (line item 01 54 33 20 4260)                    |
| Offsite Borrow - Material & Delivery Cost | 53471.0            | CY              | \$11.00    | \$588,181                                  | \$588,181                                 |  | 3rd party quote for RMU-1 final cover construction Assb. 14.0 |
| Subt - Backfill/Grade - FAC 8             |                    |                 |            | \$689,755                                  | \$689,755                                 | backfill and grade FAC Pond 8  |   |
| (Subt: Assemblies 6.19 thru 6.21)         |                    |                 |            | \$2,628,990                                | \$2,628,990                               | backfill and grade FAC Ponds 1/2, 3, and 8   |   |
| 6.22 Seed/Fertilize FAC 1/2 3 & 8         |                    |                 |            |  |   | soil prep prod' rate = 33K sf/day (0.75 ac/day); seed/fert prod'n rate = 80K sf/day (1.8 ac/day)               |   |
| FAC Pond 1/2 Surface Area                 | 309.3              | MSF             | n/a        |  |   | 7.1 acres  |   |
| FAC Pond 3 Surface Area                   | 575.0              | MSF             | n/a        |  |   | 13.2 acres   |   |
| FAC Pond 8 Surface Area                   | 287.5              | MSF             | n/a        |  |   | 6.6 acres  |   |
| Soil Preparation                          | 0.0                | MSF             | \$0.00     | \$0  | \$0                                       | Not necessary  |   |
| Seeding & Fertilizing                     | 1171.8             | MSF             | \$73.97    | \$86,678                                   | \$86,678                                  | 1172 MSF   | 2004 DEC Rate * Implicit Deflator                             |
| Subt - Seed/Fert FACs 1/2, 3, & 8         |                    |                 |            | \$86,678                                   | \$86,678                                  | seeding and fertilizing FAC Ponds 1/2, 3, and 8  |   |
| (Subt: Assemblies 6.22 thru 6.22)         |                    |                 |            | \$86,678                                   | \$86,678                                  | seeding and fertilizing FAC Ponds 1/2, 3, and 8  |   |
| 6.23 GW Well Monitoring                   |                    |                 |            |  |   | production = 0.5 hours/sample for two techs  |   |
| Technician                                | 30.0               | hours           | \$38.00    | \$1,140                                    | \$1,140                                   | 30.0 samp @ 0.5 hrs/samp = 15.0 hours @ 2 units/crew = 30.0 hours  | technician rate: loaded labor rate 2011 3rd party quote       |
| Sampling Supplies                         | 30.0               | samp            | \$25.00    | \$750                                      | \$750                                     | 30.0 samples   | bottles, shipping supplies                                    |
| VOC Analysis (EPA 624)                    | 30.0               | samp            | \$105.00   | \$3,150                                    | \$3,150                                   | 30.0 points @ 1.0 samps/pt = 30.0 samples  | analytical price: average of three quotes                     |
| Subt - GW Well Monitoring                 |                    |                 |            | \$5,040                                    | \$5,040                                   | monitoring of twelve monitoring wells (plus three QA blanks/duplicates) - two events during one year           |   |
| (Subt: Assemblies 6.23 thru 6.23)         |                    |                 |            | \$5,040                                    | \$5,040                                   | closure  |   |
| Total Non-Super hours 7091.0              |                    |                 |            |  |   |  |   |
| 6.24 PPE Usage & H&S Planning             |                    |                 |            |  |   | Level C @ 0%; Level Mod C @ 25%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                       | 650.4              | days            | \$0.00     | \$0  | \$0                                       | 6937.2 hours @ 8 hr/day = 867.2 days @ 75% "D" days = 650.4 days   | Standard Work Clothes - Site Experience                       |
| PPE Usage - Mod Level C                   | 216.8              | days            | \$9.00     | \$1,951                                    | \$1,951                                   | 6937.2 hours @ 8 hr/day = 867.2 days @ 25% "C" days = 216.8 days   | 25% of non-supv hrs in Mod Level C (price: \$9/day)           |
| PPE Usage - Level C                       | 0.0                | days            | \$25.00    | \$0  | \$0                                       | 6937.2 hours @ 8 hr/day = 867.2 days @ 0% "C" days = 0.0 days  | 0% of non-supv hrs in Level C (price: \$25/day)               |
| Health & Safety Officer                   | 173.4              | hours           | \$75.00    | \$13,005                                   | \$13,005                                  | 6937.2 hours @ 2.5% hr/hr = 173.4 hours  | Safety Eng Rate: rate 2011 3rd party quote                    |
| Subt - PPE Usage/H&S Planning             |                    |                 |            | \$14,956                                   | \$14,956                                  |  |   |
| 6.25 Supervision                          |                    |                 |            |  |   | 26 weeks for closure of FAC Ponds  |   |
| Foreman                                   | 1040.0             | hours           | \$65.00    | \$67,600                                   | \$67,600                                  | 26 weeks @ 40 hrs/wk = 1040.0 hours  | Foreman rate 2011 3rd party quote                             |
| Site Project Manager                      | 0.0                | hours           | \$75.00    | \$0  | \$0                                       | Included in Gen'l Contractor G&A/Home Office indirect costs  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subtotal - Supervision                    |                    |                 |            | \$67,600                                   | \$67,600                                  |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

6.0 Fac Ponds

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                               | In-house Pricing References         |
|--|--------------------|-----------------|------------|--|---|--|-------------------------------------|
| 6.26 Certification                     |                    |                 |            |  |   | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory labor hours for all tasks |                                     |
| Engineer                               | 104.0              | hours           | \$130.00   | \$13,520                                   | \$13,520                                  | 6937.2 hours @ 0.015 hr/hr = 104.0 hours   | Engineer rate: 2011 3rd party quote |
| Clerical                               | 104.0              | hours           | \$45.00    | \$4,680                                    | \$4,680                                   | 6937.2 hours @ 0.015 hr/hr = 104.0 hours   | Clerical rate: 2011 3rd party quote |
| Subtotal - Certification               |                    |                 |            | \$18,200                                   | \$18,200                                  |  |                                     |
| (Subt: Assemblies 6.24 thru 6.26)      |                    |                 |            | \$100,756                                  | \$100,756                                 | supervision, health & safety, and certification  |                                     |
| 6.0 Fac Ponds                          | Direct Cost        | Total           | Basic      | \$7,469,069                                | \$3,686,071                               |  |                                     |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|                                      |  |  |                   |
|--------------------------------------|--|--|-------------------|
| <b>6.0 Fac Ponds</b>                 |  |  |                   |
| <b>Total Cost Summary</b>            |  |  |                   |
|                                      |  |  |                   |
| <b>Cost Category</b>                 | <b>Proposed<br/>Percent<br/>of Direct<br/>Cost</b> | <b>Proposed<br/>2011 Cost<br/>OffSite<br/>Disposal</b> | <b>Cost Range</b> |
| <b>Direct Costs/Basic Disposal</b>   |  | \$7,469,069  |                   |
|                                      |  |  |                   |
| Plus Indirect Costs/Profit:          |  |  |                   |
| Site Activity Management Costs       | 7.00%  | \$522,835  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office     | 4.00%  | \$298,763  | note: DEC uses 4% |
| Pre-Construction Design Costs        | 6.00%  | \$448,144  | note: DEC uses 6% |
| Engineering During Construction      | 2.00%  | \$149,381  | note: DEC uses 2% |
| General Contractor Profit            | 6.00%  | \$448,144  | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b> | 25.00%   | \$1,867,267  |                   |
|                                      |  |  |                   |
| <b>Subt: Fac Ponds</b>               |  | \$9,336,337  |                   |
|                                      |  |  |                   |
| <b>Plus Contingency</b>              | 10.00%   | \$933,634  | CWM and DEC 10%   |
|                                      |  |  |                   |
| <b>Tot: Fac Ponds</b>                |  | \$10,269,970   |                   |
|                                      |  |  |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

7.0 CSA 29 (Truck Wash Bldg)

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|---|--------------------|-----------------|------------|--|---|---|---|
| <b>7.1 Inventory Verification</b>       |                    |                 |            |  |   | prod'n rate: 15 min/rolloff; two persons required   |   |
| Laborer                                 | 1.5                | hours           | \$39.00    | \$59                                       | \$59                                      | 3 rolloffs @ 0.25 hr/rolloff = 0.8 hours @ 2 units/crew = 1.5 hours                                       | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Subtotal - Inventory Verification       |                    |                 |            | \$59                                       | \$59                                      |   |   |
| (Subt: Assemblies 7.1 - 7.1)            |                    |                 |            | \$59                                       | \$59                                      | conducting inventory of CSA 29  |   |
| <b>7.2 Transp ROs to onsite L'dfill</b> |                    |                 |            |  |   | prod'n rate = 0.5 hrs for onsite travel; three 30-CY (16 ton) solids' rolloffs parked at CSA 29 = 48 tons |   |
| Road Tractor (4 x 2, 30-ton)            | 1.5                | hours           | \$32.45    | \$49                                       | \$49                                      | 90 CY @ 30 CY/load = 3.0 loads @ 0.5 hrs/trip = 1.5 hours   | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                  | 1.5                | hours           | \$45.00    | \$68                                       | \$68                                      | 90 CY @ 30 CY/load = 3.0 loads @ 0.5 hrs/trip = 1.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30 CY)                         | 1.5                | hours           | \$19.02    | \$29                                       | \$29                                      | 90 CY @ 30 CY/load = 3.0 loads @ 0.5 hrs/trip = 1.5 hours   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Transp Rolloffs to Landfill      |                    |                 |            | \$145                                      | \$145                                     |   |   |
| <b>7.3 Unload Solids Rolloffs</b>       |                    |                 |            |  |   | Not Applicable: included in 7.2 above   |   |
| Laborer                                 | 0.0                | hours           | \$39.00    | \$0  | \$0                                       |   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Loader (small)                          | 0.0                | hours           | \$14.39    | \$0  | \$0                                       |   | RSM/HC p. 468 (line item 01 54 33 20 4610)  |
| Rolloff (30 CY)                         | 0.0                | hours           | \$19.02    | \$0  | \$0                                       |   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Unload Rolloffs Onsite           |                    |                 |            | \$0  | \$0                                       |   |   |
| <b>7.4 Offsite Solids T&amp;D</b>       |                    |                 |            |  |   | assumes off-site land disposal; 1 CY = 1065 Lbs;  |   |
| Offsite Transport'n - Rolloff Solids    | 1155.0             | miles           | \$3.25     | \$3,754                                    | \$0                                       | 90 CY @ 30 CY/load = 3.0 loads @ 385 miles/trip = 1155 miles  | Rate: transporters quote/site experience  |
| Offsite Disposal - Rolloff Solids       | 48.0               | tons            | \$90.00    | \$4,320                                    | \$0                                       | 90 CY @ 0.5333 tons/CY = 48.0 tons  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite Rolloff Solids T&D       |                    |                 |            | \$8,074                                    | \$0                                       |   |   |
| (Subt: Assemblies 7.2 - 7.4)            |                    |                 |            | \$8,218                                    | \$145                                     | landfill disposal of 90 CY (48 tons)  |   |
| <b>7.5 Decon CSA 29 (wash)</b>          |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                       |   |
| Laborer                                 | 13.9               | hours           | \$39.00    | \$542                                      | \$542                                     | 1462 SF @ 105 SF/hr = 13.9 hours @ 1 pers/crew = 13.9 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Pressure Washer                         | 13.9               | hours           | \$4.04     | \$56                                       | \$56                                      | 1462 SF @ 105 SF/hr = 13.9 hours @ 1 unit/crew = 13.9 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)  |
| Vacuum Sweeper                          | 13.9               | hours           | \$3.41     | \$47                                       | \$47                                      | 1462 SF @ 105 SF/hr = 13.9 hours @ 1 unit/crew = 13.9 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)  |
| Subt - Decon CSA 29 (wash)              |                    |                 |            | \$646                                      | \$646                                     |   |   |
| <b>7.6 Decon CSA 29 (rinse)</b>         |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience                       |   |
| Laborer                                 | 13.9               | hours           | \$39.00    | \$542                                      | \$542                                     | 1462 SF @ 105 SF/hr = 13.9 hours @ 1 pers/crew = 13.9 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Pressure Washer                         | 13.9               | hours           | \$4.04     | \$56                                       | \$56                                      | 1462 SF @ 105 SF/hr = 13.9 hours @ 1 unit/crew = 13.9 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)  |
| Vacuum Sweeper                          | 13.9               | hours           | \$3.41     | \$47                                       | \$47                                      | 1462 SF @ 105 SF/hr = 13.9 hours @ 1 unit/crew = 13.9 hours   | RSM/HC p. 473 (line item 01 54 33 40 7800)  |
| Subt - Decon CSA 29 (rinse)             |                    |                 |            | \$646                                      | \$646                                     |   |   |
| <b>7.7 Decon Water Samp/Disp</b>        |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs  |   |
| Technician                              | 1.1                | hours           | \$38.00    | \$42                                       | \$42                                      | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours  | rate 2011 3rd party quote   |
| VOC Analysis (EPA 624)                  | 1.1                | samp            | \$105.00   | \$116                                      | \$116                                     | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes   |
| On-site Water Disposal                  | 2924.0             | gal             | \$0.0313   | \$92                                       | \$92                                      | 1462 SF @ 1.0 gal/sf/wa = 1462 gallons + 1.0 gal/sf/rinse = 1462 gallons                                  | site waters waste treat price ; vol @ 0.05 gal/sf (equip lit)                               |
| Subt - Decon Water Samp/Dispose         |                    |                 |            | \$249                                      | \$249                                     |   |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

7.0 CSA 29 (Truck Wash Bldg)

| Basic Closure Activities: Direct Costs        | Estimated Quantity | Unit of Measure | Unit Price   | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                         |
|---|--------------------|-----------------|--------------|--|---|--|---|
| <b>7.8 PCB Wipe Samples</b>                   |                    |                 |              |  |   | production rate = 0.5 hours/sample for two techs   |   |
| Technician                                    | 3.4                | hours           | \$38.00      | \$129                                      | \$129                                     | 3.4 samp @ 0.5 hr/samp = 1.7 hours @ 2 pers/crew = 3.4 hours                                     | technician rate 2011 3rd party quote                |
| TCLP (Metals/VOCs/Semi-VOCs)                  | 1.1                | samp            | \$446.67     | \$491                                      | \$491                                     | 1.0 areas @ 1.1 samp/area = 1.1 samples  | analytical price: average of three quotes           |
| PCB Analysis (SW 8081/8082)                   | 2.3                | samp            | \$83.33      | \$192                                      | \$192                                     | 1462 SF @ 625 SF/samp = 2.3 samples  | analytical price: average of three quotes           |
| Subt - PCB Wipe/Destruct Samp                 |                    |                 |              | <b>\$812</b>                               | <b>\$812</b>                              |  |   |
| (Subt: Assemblies 7.5 - 7.8)                  |                    |                 |              | <b>\$2,352</b>                             | <b>\$2,352</b>                            | decontamination & sampling of CSA 29   |   |
| <b>7.9 Soils Samples</b>                      |                    |                 |              |  |   | production rate = 0.5 hours/sample for two techs   |   |
| Technician                                    | 4.4                | hours           | \$38.00      | \$167                                      | \$167                                     | 4.4 samp @ 0.5 hr/samp = 2.2 hours @ 2 pers/crew = 4.4 hours                                     | technician rate: rate 2011 3rd party quote          |
| VOC/PCB/Total Metals Analysis                 | 4.4                | samp            | \$395.00     | \$1,738                                    | \$1,738                                   | 4.0 grid sq @ 1.1 samp/area = 4.4 samples  | analytical price: average of three quotes           |
| Subt - Soil Samples                           |                    |                 |              | <b>\$1,905</b>                             | <b>\$1,905</b>                            |  |   |
| (Subt: Assemblies 7.9 - 7.9)                  |                    |                 |              | <b>\$1,905</b>                             | <b>\$1,905</b>                            | soil sampling at CSA 29  |   |
| Total Non-Super hours 39.7                    |                    |                 |              |  |   |  |   |
| <b>7.10 PPE Usage/H&amp;S Planning</b>        |                    |                 |              |  |   | Level C @ 75%; Mod Level C @ 25% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Mod Level C                       | 1.3                | days            | \$9.00       | \$12                                       | \$12                                      | 39.7 hours @ 8 hr/day = 5.0 days @ 25% "Mod C" days = 1.3 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C                           | 3.7                | days            | \$25.00      | \$93                                       | \$93                                      | 39.7 hours @ 8 hr/day = 5.0 days @ 75% "C" days = 3.7 days                                       | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                               | 1.7                | hours           | \$75.00      | \$128                                      | \$128                                     | 39.7 hours @ 2.5% hr/hr = 1.7 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning                 |                    |                 |              | <b>\$232</b>                               | <b>\$232</b>                              |  |   |
| <b>7.11 Supervision</b>                       |                    |                 |              |  |   | 0.2 weeks for closure of Truck Wash Building   |   |
| Foreman                                       | 8.0                | hours           | \$65.00      | \$520                                      | \$520                                     | 0.2 weeks @ 40 hrs/wk = 8.0 hours  | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager                          | 0.0                | hours           | \$75.00      | \$0  | \$0                                       | Included in Gen'l Contractor G&A/Home Office indirect costs                                      | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision                        |                    |                 |              | <b>\$520</b>                               | <b>\$520</b>                              |  |   |
| <b>7.12 Certification</b>                     |                    |                 |              |  |   | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                 |   |
| Engineer                                      | 1.0                | hours           | \$130.00     | \$130                                      | \$130                                     | 39.7 hours @ 0.015 hr/hr = 1.0 hours   | Engineer rate: 2011 3rd party quote                 |
| Clerical                                      | 1.0                | hours           | \$45.00      | \$45                                       | \$45                                      | 39.7 hours @ 0.015 hr/hr = 1.0 hours   | Clerical rate: 2011 3rd party quote                 |
| Subtotal CertificationSubtotal -Certification |                    |                 |              | <b>\$175</b>                               | <b>\$175</b>                              |  |   |
| (Subt: Assemblies 7.10 - 7.12)                |                    |                 |              | <b>\$927</b>                               | <b>\$927</b>                              |  |   |
| <b>7.0 CSA 29 (Truck Wash Bldg)</b>           | <b>Direct Cost</b> | <b>Total</b>    | <b>Basic</b> | <b>\$13,461</b>                            | <b>\$5,387</b>                            |  |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

|  |  |  |                   |
|--|--|--|-------------------|
| <b>7.0 CSA 29 (Truck Wash Bldg)</b>    |  |  |                   |
| <b>Total Cost Summary</b>              |  |  |                   |
|  |  |  |                   |
| <b>Cost Category</b>                   | <b>Proposed<br/>Percent<br/>of Direct<br/>Cost</b> | <b>Proposed<br/>2011 Cost<br/>OffSite<br/>Disposal</b> | <b>Cost Range</b> |
|  |  |  |                   |
| <b>Direct Costs/Basic Disposal</b>     |  | \$13,461   |                   |
|  |  |  |                   |
| Plus Indirect Costs/Profit:            |  |  |                   |
| Site Activity Management Costs         | 7.00%  | \$942  | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office       | 4.00%  | \$538  | note: DEC uses 4% |
| Pre-Construction Design Costs          | 6.00%  | \$808  | note: DEC uses 6% |
| Engineering During Construction        | 2.00%  | \$269  | note: DEC uses 2% |
| General Contractor Profit              | 6.00%  | \$808  | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b>   | 25.00%   | \$3,365  |                   |
|  |  |  |                   |
| <b>Subtotal: CSA 29 (Trk Wsh Bldg)</b> |  | \$16,826   |                   |
|  |  |  |                   |
| <b>Plus Contingency</b>                | 10.00%   | \$1,683  | CWM and DEC 10%   |
|  |  |  |                   |
| <b>Total: CSA 29 (Truck Wash Bldg)</b> |  | \$18,509   |                   |
|  |  |  |                   |

**Cost References:**

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

8.0 CSA 11 (South Trail Parking)

| Basic Closure Activities: Direct Costs       | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|--|--------------------|-----------------|------------|--|---|---|---|
| <b>8.1 Inventory Verification</b>            |                    |                 |            |  |   | prod'n rates: 8 tankers or rolloffs/hour/crew; two persons required;                            |   |
| Laborer                                      | 1.25               | hours           | \$39.00    | \$49                                       | \$49                                      | 5 tankers @ 0.125 hr/tanker = 0.625 hours @ 2 units/crew = 1.25 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Subtotal - Inventory Verification            |                    |                 |            | \$49                                       | \$49                                      | area capacity is 29 tankers: 5 tanker proposed permit limit                                     | However, unit only capable of storing 29 tankers  |
| <b>8.1a Inventory Verification</b>           |                    |                 |            |  |   | prod'n rates: 8 tankers or rolloffs/hour/crew; two persons required;                            |   |
| Laborer                                      | 12                 | hours           | \$39.00    | \$468                                      | \$468                                     | 48 rolloffs @ 0.125 hr/rolloff = 6 hours @ 2 units/crew = 12.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Subtotal - Inventory Verification            |                    |                 |            | \$468                                      | \$468                                     | area capacity is 58 rolloffs end to end: 48 realistic limit                                     |   |
| (Subt: Assemblies 8.1 - 8.1)                 |                    |                 |            | \$517                                      | \$517                                     | conducting inventory of CSA 11 (South Trailer Parking Area)                                     |   |
| <b>8.2 Offsite Transportation</b>            |                    |                 |            |  |   | Five (5) 5,500-gal tankers parked at CSA 11 = 27,500 gals                                       |   |
| Transport in 5,500-gal tanker                | 7645.0             | miles           | \$3.50     | \$26,758                                   | \$26,758                                  | 27,500 gals @ 5500 gals/load = 5.0 loads @ 1529 miles/trip = 7645 miles                         | Rate: transporters quote/site experience  |
| Offsite Transportation - Solids              | 18480.0            | miles           | \$3.25     | \$60,060                                   | \$0                                       | 768.0 tons @ 16 tons/load = 48.0 loads @ 385 miles/trip = 18480.0 miles                         | Rate: transporters quote/site experience  |
| Subt - Offsite Transportation                |                    |                 |            | \$86,818                                   | \$26,758                                  | assumes offsite disposal/incineration of liquid   |   |
| <b>8.2a Transp All Rolloffs: Onsite Stab</b> |                    |                 |            |  |   | production rate = 10 mins/rolloff for on-site travel (all rolloffs previously existing at site) |   |
| Road Tractor (4 x 2, 30-ton)                 | 8.0                | hours           | \$32.45    | \$0  | \$260                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 10 mins/trip = 8.0 hours                            | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                       | 8.0                | hours           | \$45.00    | \$0  | \$360                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 10 mins/trip = 8.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30-CY) (existing equip't)           | 0.0                | hours           | \$19.02    | \$0  | \$0                                       | 0 rolloffs @ 1 rolloff/load = 0.0 loads @ 0.5 hours/trip = 0.0 hours                            | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subtotal -Transport Rolloffs Onsite          |                    |                 |            | \$0  | \$620                                     | assumes onsite stabilization and disposal   |   |
| <b>8.2b Stabilization (non-Macro mat'l)</b>  |                    |                 |            |  |   | prod'n rate = 100 tons/hour = 800 tons/day (non-Macro Room material); 30 CY roll = 16 tons      |   |
| PROCESS TONS (incl kiln dust)                | 883.2              | TONS            | n/a        |  |   | 48 rolloffs @ 30 CY each @ 16 tons/rolloff + 15% kiln dust = 883.2 tons                         |   |
| Cement Kiln Dust - Mat'l&Delv Cost           | 115.2              | tons            | \$48.00    | \$0  | \$5,530                                   |   | CWM actual 2011 costs   |
| Stabilization Cost                           | 768.0              | tons            | \$25.00    | \$0  | \$19,200                                  |   | CWM actual 2011 costs inc. labor & equipment  |
| TCLP Testing - RCRA (EPA 1311)               | 16.0               | samp            | \$348.33   | \$0  | \$5,573                                   | 48 rolloffs @ 3 ro's/samp = 16.0 samples  | average of 3 third party labs; one sample per 3 rolloffs                                    |
| Subt - Stabilization                         |                    |                 |            | \$0  | \$30,303                                  |   |   |
| <b>8.2c Transp Rolloffs to Onsite L'fill</b> |                    |                 |            |  |   | production rate = 0.25 hours for onsite travel  |   |
| Road Tractor (4 x 2, 30-ton)                 | 12.0               | hours           | \$32.45    | \$0  | \$389                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 0.25 hours/trip = 12.0 hours                        | RSM/HC p. 472 (line item 01 54 33 40 7410)  |
| Driver                                       | 12.0               | hours           | \$45.00    | \$0  | \$540                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 0.25 hours/trip = 12.0 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30-CY) (existing equip't)           | 0.0                | hours           | \$19.02    | \$0  | \$0                                       |   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Transp RO's to Onsite Landfill        |                    |                 |            | \$0  | \$929                                     | Assembly estimate assumes on-site disposal  |   |
| <b>8.2d Unload non-Macro Rolloffs</b>        |                    |                 |            |  |   | production rate = 0.25 hours for unload in landfill   |   |
| Laborer                                      | 12.0               | hours           | \$39.00    | \$0  | \$468                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 0.25 hours/trip = 12.0 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Backhoe (1 CY)                               | 12.0               | hours           | \$19.18    | \$0  | \$230                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 0.25 hours/trip = 12.0 hours                        | RSM/HC p. 467 (line item 01 54 33 20 0460)  |
| Equipment Operator (Medium)                  | 12.0               | hours           | \$45.00    | \$0  | \$540                                     | 48 rolloffs @ 1 rolloff/load = 48.0 loads @ 0.25 hours/trip = 12.0 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Rolloff (30-CY) (existing equip't)           | 0.0                | hours           | \$19.02    | \$0  | \$0                                       |   | dumpster RSM/BC p. 42 (02225-730-0800)  |
| Subt - Unload RO's at Onsite L'Fill          |                    |                 |            | \$0  | \$1,238                                   |   |   |
| <b>8.3 Offsite Disposal</b>                  |                    |                 |            |  |   |   |   |
| Disposal Cost (Incin PCB Liquids)            | 27500.0            | gallons         | \$4.68     | \$128,700                                  | \$128,700                                 | 27,500 gallons  | HWC/ETC 2004 & Current third party rate   |
| Offsite Disp - Haz Rolloff Solids            | 768.0              | tons            | \$133.00   | \$102,144                                  | \$0                                       | 48 rolloffs @ 30 CY each @ 16 tons/rolloff = 768.0 tons   | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite Liquids Disposal              |                    |                 |            | \$230,844                                  | \$128,700                                 |   |   |
| (Subt: Assemblies 8.2 - 8.3)                 |                    |                 |            | \$317,662                                  | \$188,548                                 | disposal of bulk liquid PCB wastes from 5 tankers/48 rolloffs                                   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

8.0 CSA 11 (South Trail Parking)

| Basic Closure Activities: Direct Costs      | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                            | In-house Pricing References   |
|---|--------------------|-----------------|------------|--|---|---|---|
| 8.4 Decon CSA 11 Area (wash)                |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                                     | 140.0              | hours           | \$39.00    | \$5,460                                    | \$5,460                                   | 14702 SF @ 105 SF/hr = 140.0 hours @ 1 pers/crew = 140.0 hours                      | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer                             | 140.0              | hours           | \$4.04     | \$566                                      | \$566                                     | 14702 SF @ 105 SF/hr = 140.0 hours @ 1 unit/crew = 140.0 hours                      | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum Sweeper                              | 140.0              | hours           | \$3.41     | \$477                                      | \$477                                     | 14702 SF @ 105 SF/hr = 140.0 hours @ 1 unit/crew = 140.0 hours                      | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Decon CSA 11 Area (wash)             |                    |                 |            | \$6,503                                    | \$6,503                                   |   |   |
| 8.5 Decon CSA 11 Area (rinse)               |                    |                 |            |  |   | production rate = 105 SF/hr for 1-person crew w/ one unit each; facility experience |   |
| Laborer                                     | 140.0              | hours           | \$39.00    | \$5,460                                    | \$5,460                                   | 14702 SF @ 105 SF/hr = 140.0 hours @ 1 pers/crew = 140.0 hours                      | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer                             | 140.0              | hours           | \$4.04     | \$566                                      | \$566                                     | 14702 SF @ 105 SF/hr = 140.0 hours @ 1 unit/crew = 140.0 hours                      | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum Sweeper                              | 140.0              | hours           | \$3.41     | \$477                                      | \$477                                     | 14702 SF @ 105 SF/hr = 140.0 hours @ 1 unit/crew = 140.0 hours                      | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Decon CSA 11 Area (rinse)            |                    |                 |            | \$6,503                                    | \$6,503                                   |   |   |
| 8.6 Decon water samp/disp - N/A             |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs                                    |   |
| Technician                                  | 1.1                | hours           | \$38.00    | \$42                                       | \$42                                      | 1.1 samp @ 0.5 hr/samp = 0.6 hours @ 2 pers/crew = 1.1 hours                        | technician rate: rate 2011 3rd party quote                          |
| VOC Analysis (EPA 624)                      | 1.1                | samp            | \$105.00   | \$116                                      | \$116                                     | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                           |
| On-site Water Disposal                      | 15000.0            | gal             | \$0.0313   | \$470                                      | \$470                                     | 15,000 gallons  | facility o/s mild waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose             |                    |                 |            | \$627                                      | \$627                                     |   |   |
| 8.7 PCB Wipe Samples                        |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs                                    |   |
| Technician                                  | 24.6               | hours           | \$38.00    | \$935                                      | \$935                                     | 24.6 samp @ 0.5 hr/samp = 12.3 hours @ 2 pers/crew = 24.6 hours                     | technician rate: rate 2011 3rd party quote                          |
| TCLP (Metals/VOCs/Semi-VOCs)                | 1.1                | samp            | \$446.67   | \$491                                      | \$491                                     | 1.0 areas @ 1.1 samp/area = 1.1 samples   | analytical price: average of three quotes                           |
| PCB Analysis (SW 8081/8082)                 | 23.5               | samp            | \$83.33    | \$1,958                                    | \$1,958                                   | 14702 SF @ 625 SF/samp = 23.5 samples   | analytical price: average of three quotes                           |
| Subt - PCB Wipe/Destruct Samp               |                    |                 |            | \$3,384                                    | \$3,384                                   |   |   |
| (Subt: Assemblies 8.4 - 8.7)                |                    |                 |            | \$17,017                                   | \$17,017                                  | decontamination & sampling of CSA 11 (South Parking Area)                           |   |
| 8.8 Demolish Conc CSA 11                    |                    |                 |            |  |   | prod'n rate = 8 CY/hr (site experience); 10" mesh reinf: 1 cf = 150#; 1 cy = 2 tons |   |
| Laborer                                     | 56.5               | hours           | \$39.00    | \$2,204                                    | \$2,204                                   | 14702 SF @ 260 SF/hour 56.5 hours @ 1 units/crew = 56.5 hours                       | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Equipment Operator (Medium)                 | 113.1              | hours           | \$50.70    | \$5,734                                    | \$5,734                                   | 14702 SF @ 260 SF/hour 56.5 hours @ 2 units/crew = 113.1 hours                      | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Excavator                                   | 113.1              | hours           | \$84.09    | \$9,511                                    | \$9,511                                   | 14702 SF @ 260 SF/hour 56.5 hours @ 2 units/crew = 113.1 hours                      | RSM/HC p. 467 (line item 01 54 33 20 0320)                          |
| Hydraulic Hammer Attach (1,200#)            | 56.5               | hours           | \$20.59    | \$1,163                                    | \$1,163                                   | 14702 SF @ 260 SF/hour 56.5 hours @ 1 units/crew = 56.5 hours                       | RSM/HC p. 467 (line item 01 54 33 20 0349)                          |
| Claw Attachment                             | 56.5               | hours           | \$2.47     | \$140                                      | \$140                                     | 14702 SF @ 260 SF/hour 56.5 hours @ 1 units/crew = 56.5 hours                       | RSM/HC p. 477 (line item 01 54 33 20 0345)                          |
| Loader                                      | 0.0                | hours           | \$30.03    | \$0  | \$0                                       | not required  | RSM/HC p. 469 (line item 01 54 33 20 4730)                          |
| Dump Truck (12-ton load)                    | 56.5               | hours           | \$24.78    | \$1,400                                    | \$1,400                                   | 14702 SF @ 260 SF/hour 56.5 hours @ 1 units/crew = 56.5 hours                       | RSM/HC p. 469 (line item 01 54 33 20 5250)                          |
| Welding Equipment                           | 56.5               | hours           | \$5.41     | \$306                                      | \$306                                     | 14702 SF @ 260 SF/hour 56.5 hours @ 1 units/crew = 56.5 hours                       | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Demolish Conc CSA 11                 |                    |                 |            | \$20,457                                   | \$20,457                                  | 452 CY @ 2 tons/CY = 903.9 tons   |   |
| 8.9 Transp/Unload debris to onsite landfill |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel                                       |   |
| Road Tractor (4 x 2, 30-ton)                | 0.0                | hours           | \$32.45    | \$0  | \$0                                       | not required  | RSM/HC p. 472 (line item 01 54 33 40 7410)                          |
| Driver                                      | 37.7               | hours           | \$45.00    | \$0  | \$1,697                                   | 903.9 tons @ 12 tons/load = 75.3 loads 0.5 hours/trip = 37.7 hours                  | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Dump Truck (12-ton load)                    | 0.0                | hours           | \$24.78    | \$0  | \$0                                       | Included in 8.8 rate above  | RSM/HC p. 469 (line item 01 54 33 20 5250)                          |
| Subt - Transp Debris to onsite L'fill       |                    |                 |            | \$0  | \$1,697                                   | onsite disposal of debris   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

8.0 CSA 11 (South Trail Parking)

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                               |
|--|--------------------|-----------------|------------|--|---|--|---|
| 8.10 Unload Demolition Debris          |                    |                 |            |  |   | Included in 8.9  |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0  | \$0                                       | not required   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Equipment Operator (Medium)            | 0.0                | hours           | \$50.70    | \$0  | \$0                                       | not required   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Loader                                 | 0.0                | hours           | \$30.03    | \$0  | \$0                                       | not required   | RSM/HC p. 469 (line item 01 54 33 20 4730)                |
| Dump Trailer (20 CY)                   | 0.0                | hours           | \$5.20     | \$0  | \$0                                       | not required   | RSM/HC p. 469 (line item 01 54 33 20 5400)                |
| Subt - Unload Demo Debris              |                    |                 |            | \$0  | \$0                                       |  |   |
|  |                    |                 |            |  |   |  |   |
| 8.11 Offsite Conc Debris T&D           |                    |                 |            |  |   | assume off-site "D" disposal facility within 50 miles of facility; 1 CY = 32.5 SF of conc. @ 10" depth         |   |
| Offsite Transportation - Debris        | 150.5              | miles           | \$3.25     | \$489                                      | \$0                                       | 452 CY @ 15 CY/load = 30.1 loads @ 5 miles/trip = 150.5 miles  | Rate: transporters quote/site experience                  |
| Offsite Disposal - Concrete Debris     | 903.9              | tons            | \$35.00    | \$31,637                                   | \$0                                       | 452 CY @ 2 tons/CY = 903.9 tons  | Modern Disposal/Site Experience                           |
| Subt - Offsite Conc Debris T&D         |                    |                 |            | \$32,126                                   | \$0                                       |  |   |
| (Subt: Assemblies 8.8 - 8.11)          |                    |                 |            | \$52,582                                   | \$22,153                                  | off-site transport and disposal of demolition debris   |   |
| 8.12 Soils Samples                     |                    |                 |            |  |   | production rate = 0.5 hours/sample for two techs   |   |
| Technician                             | 15.4               | hours           | \$38.00    | \$585                                      | \$585                                     | 15.4 samp @ 0.5 hr/samp = 7.7 hours @ 2 pers/crew = 15.4 hours   | technician rate: rate 2011 3rd party quote                |
| VOC/PCB/Total Metals Analysis          | 15.4               | samp            | \$395.00   | \$6,083                                    | \$6,083                                   | 14.0 grid sq @ 1.1 samp/area = 15.4 samples  | analytical price: average of three quotes                 |
| Subt - Soil Samples                    |                    |                 |            | \$6,668                                    | \$6,668                                   |  |   |
| (Subt: Assemblies 8.12 - 8.12)         |                    |                 |            | \$6,668                                    | \$6,668                                   | soil sampling at CSA 11  |   |
| Total Non-Super hours 584.4            |                    |                 |            |  |   |  |   |
| 8.13 PPE Usage/H&S Planning            |                    |                 |            |  |   | Level C @ 0%; Mod Level C @ 25%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 54.8               | days            | \$0.00     | \$0  | \$0                                       | 584.4 hours @ 8 hr/day = 73.1 days @ 75% "D" days = 54.8 days  | Standard Work Clothes - Site Experience                   |
| PPE Usage - Mod Level C                | 18.3               | days            | \$9.00     | \$165                                      | \$165                                     | 584.4 hours @ 8 hr/day = 73.1 days @ 25% "Mod C" days = 18.3 days  | 25% of non-supv hrs in Mod Level C (price: \$9/day)       |
| PPE Usage - Level C                    | 0.0                | days            | \$25.00    | \$0  | \$0                                       | 584.4 hours @ 8 hr/day = 73.1 days @ 0% "C" days = 0 days  | 0% of non-supv hrs in Level C (price: \$25/day)           |
| Safety Engineer                        | 14.6               | hours           | \$75.00    | \$1,095                                    | \$1,095                                   | 584.4 hours @ 2.5% hr/hr = 14.6 hours  | Safety Eng Rate: rate 2011 3rd party quote                |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$1,260                                    | \$1,260                                   |  |   |
| 8.14 Supervision                       |                    |                 |            |  |   | 2 weeks for closure of South Trailer Parking closure   |   |
| Foreman                                | 80.0               | hours           | \$65.00    | \$5,200                                    | \$5,200                                   | 2 weeks @ 40 hrs/wk = 80.0 hours   | Outside foreman rate: 2011 3rd party quote                |
| Site Project Manager                   | 0.0                | hours           | \$75.00    | \$0  | \$0                                       | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote                   |
| Subtotal - Supervision                 |                    |                 |            | \$5,200                                    | \$5,200                                   |  |   |
| 8.15 Certification                     |                    |                 |            |  |   | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                               |   |
| Engineer                               | 8.8                | hours           | \$130.00   | \$1,144                                    | \$1,144                                   | 584.4 hours @ 0.015 hr/hr = 8.8 hours  | Engineer rate: 2011 3rd party quote                       |
| Clerical                               | 8.8                | hours           | \$45.00    | \$396                                      | \$396                                     | 584.4 hours @ 0.015 hr/hr = 8.8 hours  | Clerical rate: 2011 3rd party quote                       |
| Subtotal - Certification               |                    |                 |            | \$1,540                                    | \$1,540                                   |  |   |
| (Subt: Assemblies 8.13 - 8.15)         |                    |                 |            | \$8,000                                    | \$8,000                                   |  |   |
| 8.0 CSA 11 (South Trail Parking)       | Direct Cost        | Total           | Basic      | \$402,446                                  | \$242,903                                 |  |   |

Overall Site-Wide Closure Cost Estimate  
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|   |  |  |                   |
|---|--|--|-------------------|
| <b>8.0 CSA 11 (South Trail Parking)</b> |  |  |                   |
| <b>Total Cost Summary</b>               |  |  |                   |
|   |  |  |                   |
| <b>Cost Category</b>                    | <b>Proposed<br/>Percent<br/>of Direct<br/>Cost</b> | <b>Proposed<br/>2011 Cost<br/>OffSite<br/>Disposal</b> | <b>Cost Range</b> |
|   |  |  |                   |
| <b>Direct Costs/Basic Disposal</b>      |  | \$402,446  |                   |
|   |  |  |                   |
| Plus Indirect Costs/Profit:             |  |  |                   |
| Site Activity Management Costs          | 7.00%  | \$28,171   | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office        | 4.00%  | \$16,098   | note: DEC uses 4% |
| Pre-Construction Design Costs           | 6.00%  | \$24,147   | note: DEC uses 6% |
| Engineering During Construction         | 2.00%  | \$8,049  | note: DEC uses 2% |
| General Contractor Profit               | 6.00%  | \$24,147   | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b>    | 25.00%   | \$100,611  |                   |
|   |  |  |                   |
| <b>Subt: CSA 11 (SouthTrail Pkg)</b>    |  | \$503,057  |                   |
|   |  |  |                   |
| <b>Plus Contingency</b>                 | 10.00%   | \$50,306   | CWM and DEC 10%   |
|   |  |  |                   |
| <b>Total: CSA 11 (South Trail Pkg)</b>  |  | \$553,363  |                   |
|   |  |  |                   |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

10.0 Laboratory

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|--|---|---|---|
| 10.1 Hazcat Lab Containers             |                    |                 |            |  |   | Not necessary   |   |
| Subt - Hazcat Lab Containers           |                    |                 |            | \$0  | \$0                                       | hazcat and inventory of laboratory contents not necessary - known quantities and types              |   |
| 10.2 Hazcat/Overpack Lab Containers    |                    |                 |            |  |   | production rate = 20 units/hour (1 unit per 3 min); assume 5 variously-sized lab containers/labpack |   |
| Technician                             | 60.0               | hours           | \$38.00    | \$2,280                                    | \$2,280                                   | 600 cont @ 20 cont/hr = 30.0 hours @ 2 units/crew = 60.0 hours                                      | technician rate: rate 2011 3rd party quote                |
| Chemist                                | 30.0               | hours           | \$75.00    | \$2,250                                    | \$2,250                                   | 600 cont @ 20 cont/hr = 30.0 hours @ 1 units/crew = 30.0 hours                                      | Chemist rate: rate 2011 3rd party quote                   |
| Labpacks (55-gal recond. steel)        | 120.0              | each            | \$114.68   | \$13,762                                   | \$13,762                                  | 600 cont @ 5 cont/LbPk = 120.0 Labpacks   | 2004 DEC Rate * Implicit Deflator                         |
| Subt - Overpack Lab Containers         |                    |                 |            | \$18,292                                   | \$18,292                                  |   |   |
| (Subt: Assemblies 10.1 thru 10.2)      |                    |                 |            | \$18,292                                   | \$18,292                                  | loading, on-site transporting, unloading, and on-site disposal of drummed PCB solids                |   |
| 10.3 Load Organic Liquid Labpacks      |                    |                 |            |  |   | production rate = 80 drums/hour; RSM/UP p. 9-171 (line item 33-19-0103)                             |   |
| Laborer                                | 1.0                | hours           | \$39.00    | \$39                                       | \$39                                      | 37 LbPks @ 40 LbPks/Hr = 0.5 hours @ 2 units/crew = 1.0 hours                                       | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                               | 0.5                | hours           | \$22.21    | \$11                                       | \$11                                      | 37 LbPks @ 40 LbPks/Hr = 0.5 hours @ 1 units/crew = 0.5 hours                                       | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)               | 0.5                | hours           | \$6.26     | \$3  | \$3                                       | 37 LbPks @ 40 LbPks/Hr = 0.5 hours @ 1 units/crew = 0.5 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Org. Liquid Labpacks       |                    |                 |            | \$53                                       | \$53                                      |   |   |
| 10.4 Trans Org. Liq. LbPks Offsite     |                    |                 |            |  |   | capacity per trailer = eighty (80) 55-gal drums   |   |
| Flatbed Transport                      | 127.5              | miles           | \$3.50     | \$446                                      | \$446                                     | 37 LbPks @ 80 LbPk/load = 0.5 loads @ 255 miles/trip = 127.5 miles                                  | Rate: transporters quote/site experience                  |
| Subt - Offsite Transp/Org. Liq. LbPk   |                    |                 |            | \$446                                      | \$446                                     |   |   |
| 10.5 Offsite Disposal - Org. Liqs.     |                    |                 |            |  |   | disposal price = \$1.91/pound to incinerate organic liquid labpacks                                 |   |
| Disposal Cost (Organic Liquids)        | 7400.0             | Lbs             | \$1.91     | \$14,134                                   | \$14,134                                  | 37 Lbpks @ 200 Lbs/LbPk = 7400.0 Lbs  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing  |
| Subt - Offsite Disposal - Org. Liqs.   |                    |                 |            | \$14,134                                   | \$14,134                                  |   |   |
| (Subt: Assemblies 10.3 thru 10.5)      |                    |                 |            | \$14,633                                   | \$14,633                                  | loading, transportation, and offsite disposal of labpacks of organic liquids                        |   |
| 10.6 Load Misc. Labpacks               |                    |                 |            |  |   | production rate = 80 drums/hour/person; Facility experience   |   |
| Laborer                                | 2.2                | hours           | \$39.00    | \$86                                       | \$0                                       | 83 LbPks @ 80 LbPks/Hr = 1.1 hours @ 2 units/crew = 2.2 hours                                       | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                               | 1.1                | hours           | \$22.21    | \$24                                       | \$0                                       | 83 LbPks @ 80 LbPks/Hr = 1.1 hours @ 1 units/crew = 1.1 hours                                       | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)               | 1.1                | hours           | \$6.26     | \$7  | \$0                                       | 83 LbPks @ 80 LbPks/Hr = 1.1 hours @ 1 units/crew = 1.1 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Misc. Labpacks             |                    |                 |            | \$117                                      | \$0                                       | load drums for offsite disposal   |   |
| 10.6a Load Misc. Labpacks              |                    |                 |            |  |   | production rate = 80 drums/hour/person; Facility experience   |   |
| Laborer                                | 2.0                | hours           | \$39.00    | \$0  | \$78                                      | 80 LbPks @ 80 LbPks/Hr = 1.0 hours @ 2 units/crew = 2.0 hours                                       | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Forklift                               | 1.0                | hours           | \$22.21    | \$0  | \$22                                      | 80 LbPks @ 80 LbPks/Hr = 1.0 hours @ 1 units/crew = 1.0 hours                                       | RSM/HC p. 470 (line item 01 54 33 40 2020)                |
| Flatbed Trailer (40-ton)               | 1.0                | hours           | \$6.26     | \$0  | \$6                                       | 80 LbPks @ 80 LbPks/Hr = 1.0 hours @ 1 units/crew = 1.0 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6600)                |
| Subt - Load Misc. Labpacks             |                    |                 |            | \$0  | \$106                                     | Load drums to onsite landfill   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

10.0 Laboratory

| Basic Closure Activities: Direct Costs                                  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                              | In-house Pricing References   |
|---|--------------------|-----------------|------------|--|---|---|---|
|   |                    |                 |            |  |   |   |   |
| <b>10.7 Transport to Onsite Landfill</b>                                |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel   |   |
| Road Tractor (4 x 2, 30-ton)  | 0.5                | hours           | \$32.45    | \$0  | \$16                                      | 80 LbPks @ 80 drums/load = 1.0 loads @ 0.5 hr/load = 0.5 hours                        | RSM/HC p. 472 (line item 01 54 33 40 7410)                          |
| Driver  | 0.5                | hours           | \$45.00    | \$0  | \$23                                      | 80 LbPks @ 80 drums/load = 1.0 loads @ 0.5 hr/load = 0.5 hours                        | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Flatbed Trailer (40-ton)  | 0.5                | hours           | \$6.26     | \$0  | \$3                                       | 80 LbPks @ 80 drums/load = 1.0 loads @ 0.5 hr/load = 0.5 hours                        | RSM/HC p. 472 (line item 01 54 33 40 6600)                          |
| Subt - Transport to Onsite Landfill                                     |                    |                 |            | \$0  | \$42                                      | assumes off-site land disposal; Facility Estimate assumes on-site disposal            |   |
|   |                    |                 |            |  |   |   |   |
| <b>10.8 Unload Labpacks Onsite</b>                                      |                    |                 |            |  |   | Not Applicable: assume off-site land disposal   |   |
| Laborer   | 2.0                | hours           | \$39.00    | \$0  | \$78                                      | 80 LbPks @ 80 LbPks/Hr = 1.0 hours @ 2 units/crew = 2.0 hours                         | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Forklift  | 1.0                | hours           | \$22.21    | \$0  | \$22                                      | 80 LbPks @ 80 LbPks/Hr = 1.0 hours @ 1 units/crew = 1.0 hours                         | RSM/HC p. 470 (line item 01 54 33 40 2020)                          |
| Flatbed Trailer (40-ton)  | 1.0                | hours           | \$6.26     | \$0  | \$6                                       | 80 LbPks @ 80 LbPks/Hr = 1.0 hours @ 1 units/crew = 1.0 hours                         | RSM/HC p. 472 (line item 01 54 33 40 6600)                          |
| Subt - Unload Labpacks Onsite   |                    |                 |            | \$0  | \$106                                     |   |   |
|   |                    |                 |            |  |   |   |   |
| <b>10.9 Offsite Disp: Misc LbPks</b>                                    |                    |                 |            |  |   | assume off-site land disposal; 80 drms/load   |   |
| Offsite Transportation  | 1681.9             | miles           | \$3.50     | \$5,887                                    | \$0                                       | 83 LbPks @ 80 LbPks/ld = 1.1 loads @ 1529 miles/trip = 1681.9 miles                   | Rate: transporters quote/site experience                            |
| Offsite Disposal - Landfill   | 83.0               | LabPk           | \$341.00   | \$28,303                                   | \$0                                       | 83 LbPks @ 200 lbs/LbPks = 16600 lbs  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing            |
| Subt - Offsite Disp. Misc. Labpacks                                     |                    |                 |            | \$34,190                                   | \$0                                       | offsite disposal of all labpacks (PCB waste incineration)                             |   |
|   |                    |                 |            |  |   |   |   |
| <b>10.9a Offsite Disp: Misc LbPks</b>                                   |                    |                 |            |  |   | assume off-site land disposal; 80 drms/load   |   |
| Offsite Transportation  | 152.9              | miles           | \$3.50     | \$0  | \$535                                     | 3 LbPks @ 80 LbPks/ld = 0.1 loads @ 1529 miles/trip = 152.9 miles                     | Rate: transporters quote/site experience                            |
| Offsite Disposal - Landfill   | 3.0                | LabPk           | \$341.00   | \$0  | \$1,023                                   | 3 LbPks @ 200 lbs/LbPks = 600 lbs   | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing            |
| Subt - Offsite Disp. Misc. Labpacks<br>(Subt: Assemb 10.6 thru 10.9(a)) |                    |                 |            | \$0  | \$1,558                                   | offsite disposal of 3 labpacks (PCB waste incineration)                               |   |
|   |                    |                 |            | \$34,307                                   | \$1,813                                   | loading, transportation, offsite disposal of labpacks                                 |   |
|   |                    |                 |            |  |   |   |   |
| <b>10.10 Decon Laboratory (Wash)</b>                                    |                    |                 |            |  |   | production rate = 105 SF/hr/person  |   |
| Laborer   | 9.5                | hours           | \$39.00    | \$371                                      | \$371                                     | 1000 SF @ 105 SF/hr = 9.5 hours @ 1 units/crew = 9.5 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer   | 9.5                | hours           | \$4.04     | \$38                                       | \$38                                      | 1000 SF @ 105 SF/hr = 9.5 hours @ 1 units/crew = 9.5 hours                            | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum Sweeper  | 9.5                | hours           | \$0.84     | \$8  | \$8                                       | 1000 SF @ 105 SF/hr = 9.5 hours @ 1 units/crew = 9.5 hours                            | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Decon Lab (wash)   |                    |                 |            | \$417                                      | \$417                                     |   |   |
|   |                    |                 |            |  |   |   |   |
| <b>10.11 Decon Laboratory (Rinse)</b>                                   |                    |                 |            |  |   | production rate = 105 SF/hr/person  |   |
| Laborer   | 9.5                | hours           | \$39.00    | \$371                                      | \$371                                     | 1000 SF @ 105 SF/hr = 9.5 hours @ 1 units/crew = 9.5 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote           |
| Pressure Washer   | 9.5                | hours           | \$4.04     | \$38                                       | \$38                                      | 1000 SF @ 105 SF/hr = 9.5 hours @ 1 units/crew = 9.5 hours                            | RSM/HC p. 471 (line item 01 54 33 40 5450)                          |
| Vacuum Sweeper  | 9.5                | hours           | \$0.84     | \$8  | \$8                                       | 1000 SF @ 105 SF/hr = 9.5 hours @ 1 units/crew = 9.5 hours                            | RSM/HC p. 473 (line item 01 54 33 40 7800)                          |
| Subt - Decon Lab (rinse)  |                    |                 |            | \$417                                      | \$417                                     |   |   |
|   |                    |                 |            |  |   |   |   |
| <b>10.12 Decon Water Samp/Dispose</b>                                   |                    |                 |            |  |   | production rate 0.5 hours/sample for two techs; facility treatment price \$0.0273/gal |   |
| Technician  | 2.2                | hours           | \$38.00    | \$84                                       | \$84                                      | 2.2 samp @ 0.5 hr/samp = 1.1 hours @ 2 units/crew = 2.2 hours                         | technician rate: rate 2011 3rd party quote                          |
| VOC Analysis (EPA 624)  | 2.2                | samp            | \$105.00   | \$231                                      | \$231                                     | 2.0 areas @ 1.1 samp/area = 2.2 samples   | analytical price: average of three quotes                           |
| On-site Water Disposal  | 1000.0             | gal             | \$0.0313   | \$31                                       | \$31                                      | 1000 SF @ 1.0 gal/sf/wa = 1000.0 gallons  | facility o/s mild waste treat price ; vol @ 0.05 gal/sf (equip lit) |
| Subt - Decon Water Samp/Dispose   |                    |                 |            | \$346                                      | \$346                                     |   |   |
|   |                    |                 |            |  |   |   |   |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

10.0 Laboratory

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|
|--|--------------------|-----------------|------------|--|---|--|-----------------------------|

|                                 |      |       |          |         |         |   |  |
|---------------------------------|------|-------|----------|---------|---------|---|--|
| 10.13 PCB Wipe & Destruct Samp  |      |       |          |         |         | No TCLP analyses necessary according to site-wide closure plan  |  |
| Technician                      | 12.0 | hours | \$38.00  | \$456   | \$456   | 12.0 samp @ 0.5 hr/samp = 6.0 hours @ 2 units/crew = 12.0 hours | technician rate: rate 2011 3rd party quote |
| TCLP VOC & Metals Analysis      | 0.0  | samp  | \$446.67 | \$0     | \$0     |   | analytical price: average of three quotes  |
| PCB Analysis (SW 8080)          | 12.0 | samp  | \$83.33  | \$1,000 | \$1,000 | 7500 SF @ 625 SF/samp = 12.0 samples                            | analytical price: average of three quotes  |
| Subt - PCB Wipe/Destruct Samp   |      |       |          | \$1,456 | \$1,456 |   |  |
| (Subt: Assemb 10.10 thru 10.13) |      |       |          | \$2,636 | \$2,636 | building decontamination and sampling                           |  |

Total Non-Super hours 130.9

|                                 |      |       |          |         |         |  |   |
|---------------------------------|------|-------|----------|---------|---------|--|---|
| 10.14 PPE Usage & H&S Planning  |      |       |          |         |         | Level C @ 75%; Mod Level C @ 25% for total non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Mod Level C         | 4.1  | days  | \$9.00   | \$37    | \$37    | 130.9 hours @ 8 hr/day = 16.4 days @ 25% "Mod C" days = 4.1 days                                   | 25% of non-supv hrs in Mod Level C (price: \$9/day) |
| PPE Usage - Level C             | 12.3 | days  | \$25.00  | \$308   | \$308   | 130.9 hours @ 8 hr/day = 16.4 days @ 75% "C" days = 12.3 days                                      | 75% of non-supv hrs in Level C (price: \$25/day)    |
| Safety Engineer                 | 3.3  | hours | \$75.00  | \$248   | \$248   | 130.9 hours @ 0.025 hr/hr = 3.3 hours  | Safety Eng Rate: rate 2011 3rd party quote          |
| Subt - PPE Usage/H&S Planning   |      |       |          | \$592   | \$592   |  |   |
| 10.15 Supervision               |      |       |          |         |         | 0.4 weeks for closure of South Trailer Parking closure   |   |
| Foreman                         | 16.0 | hours | \$65.00  | \$1,040 | \$1,040 | 0.4 weeks @ 40 hrs/wk = 16.0 hours   | Outside foreman rate: 2011 3rd party quote          |
| Site Project Manager            | 0.0  | hours | \$75.00  | \$0     | \$0     | Included in Gen'l Contractor G&A/Home Office indirect costs  | Site Manager Rate: 2011 3rd party quote             |
| Subtotal - Supervision          |      |       |          | \$1,040 | \$1,040 |  |   |
| 10.16 Certification             |      |       |          |         |         | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks                   |   |
| EngineerEngineer                | 2.0  | hours | \$130.00 | \$260   | \$260   | 130.9 hours @ 0.015 hr/hr = 2.0 hours  | Engineer rate: 2011 3rd party quote                 |
| Clerical                        | 2.0  | hours | \$45.00  | \$90    | \$90    | 130.9 hours @ 0.015 hr/hr = 2.0 hours  | Clerical rate: 2011 3rd party quote                 |
| Subtotal - Certification        |      |       |          | \$350   | \$350   |  |   |
| (Subt: Assemb 10.14 thru 10.16) |      |       |          | \$1,982 | \$1,982 | supervision, health & safety, and certification  |   |

|                         |             |       |       |          |          |
|-------------------------|-------------|-------|-------|----------|----------|
| 10.0 Laboratory - Basic | Direct Cost | Total | Basic | \$71,849 | \$39,356 |
|-------------------------|-------------|-------|-------|----------|----------|

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 10.0 Laboratory                  |  |  |                   |
|----------------------------------|--|--|-------------------|
| Total Cost Summary               |  |  |                   |
|                                  |  |  |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011 Cost<br>OffSite<br>Disposal | Cost Range        |
|                                  |  |  |                   |
| Direct Costs/Basic Disposal      |  | \$71,849                                     |                   |
|                                  |  |  |                   |
| Plus Indirect Costs/Profit:      |  |  |                   |
| Site Activity Management Costs   | 7.00%                                    | \$5,029                                      | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$2,874                                      | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$4,311                                      | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$1,437                                      | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$4,311                                      | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$17,962                                     |                   |
|                                  |  |  |                   |
| Subtotal - Laboratory - Basic    |  | \$89,812                                     |                   |
|                                  |  |  |                   |
| Plus Contingency                 | 10.00%                                   | \$8,981                                      | CWM and DEC 10%   |
|                                  |  |  |                   |
| Total - Laboratory - Basic       |  | \$98,793                                     |                   |
|                                  |  |  |                   |

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

11.0 Roadways

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References   |
|--|--------------------|-----------------|------------|--|---|--|---|
| 11.1 Sweep Roadways                    |                    |                 |            |  |   | production rate = 15,000 SF/hour (250 SF/min); assume 4 miles of roadway 20-feet wide                          |   |
| Laborer                                | 7.0                | hours           | \$39.00    | \$273                                      | \$273                                     | 105600 SF @ 15000 SF/hour = 7.0 hours @ 1 units/crew = 7.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)            | 7.0                | hours           | \$45.00    | \$315                                      | \$315                                     | 105600 SF @ 15000 SF/hour = 7.0 hours @ 1 units/crew = 7.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Road Sweeper (90 Hp)                   | 7.0                | hours           | \$32.25    | \$226                                      | \$226                                     | 105600 SF @ 15000 SF/hour = 7.0 hours @ 1 units/crew = 7.0 hours   | RSM/HC p. 473 (line item 01 54 33 50 3400)  |
| Subt - Hazcat Lab Containers           |                    |                 |            | \$814                                      | \$814                                     |  |   |
| 11.2 Load Roadway Sweepings            |                    |                 |            |  |   | production rate = 50 CY/hour; @ one-inch (1") depth of road debris = 325 CY over 105,600 SF                    |   |
| Laborer                                | 6.5                | hours           | \$39.00    | \$254                                      | \$254                                     | 325 CY @ 50 CY/hr 6.5 hours @ 1 units/crew = 6.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)            | 6.5                | hours           | \$45.00    | \$293                                      | \$293                                     | 325 CY @ 50 CY/hr 6.5 hours @ 1 units/crew = 6.5 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Loader (Small)                         | 6.5                | hours           | \$14.39    | \$94                                       | \$94                                      | 325 CY @ 50 CY/hr 6.5 hours @ 1 units/crew = 6.5 hours   | RSM/HC p. 468 (line item 01 54 33 20 4610)  |
| Dump Truck (12 Ton)                    | 6.5                | hours           | \$24.78    | \$161                                      | \$161                                     | 325 CY @ 50 CY/hr 6.5 hours @ 1 units/crew = 6.5 hours   | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Subt - Load Roadway Sweepings          |                    |                 |            | \$801                                      | \$801                                     |  |   |
| 11.3 Transp/Unload: Onsite Landfill    |                    |                 |            |  |   | production rate = 0.5 hours for onsite travel  |   |
| Driver                                 | 6.8                | hours           | \$45.00    | \$0  | \$306                                     | 162.5 tons @ 12 tons/load = 13.5 loads @ 0.5 hours/trip = 6.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Dump Truck (12 Ton)                    | 6.8                | hours           | \$24.78    | \$0  | \$169                                     | 325 CY @ 0.5 tons/CY = 162.5 tons  | RSM/HC p. 469 (line item 01 54 33 20 5250)  |
| Subt - Transport to Onsite Landfill    |                    |                 |            | \$0  | \$475                                     | onsite disposal road debris  |   |
| 11.4 Unload Roadway Sweepings          |                    |                 |            |  |   | Not Required: included in 11.3   |   |
| Laborer                                | 0.0                | hours           | \$39.00    | \$0  | \$0                                       |  | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Equipment Operator (Medium)            | 0.0                | hours           | \$45.00    | \$0  | \$0                                       |  | loaded labor rate: loaded labor rate 2011 3rd party quote                                   |
| Loader (Small)                         | 0.0                | hours           | \$14.39    | \$0  | \$0                                       |  | RSM/HC p. 468 (line item 01 54 33 20 4610)  |
| Dump Trailer (20 CY)                   | 0.0                | hours           | \$5.20     | \$0  | \$0                                       |  | RSM/HC p. 469 (line item 01 54 33 20 5400)  |
| Subt - Unload Sweepings Onsite         |                    |                 |            | \$0  | \$0                                       |  |   |
| 11.5 Offsite Disp: Sweepings           |                    |                 |            |  |   | assume off-site land disposal; 20 tons/load  |   |
| Offsite Transportation                 | 3118.5             | miles           | \$3.25     | \$10,135                                   | \$0                                       | 162.5 tons @ 20 tons/load = 8.1 loads @ 385 miles/trip = 3118.5 miles  | Rate: transporters quote/site experience  |
| Offsite Disposal - Landfill            | 162.5              | tons            | \$90.00    | \$14,625                                   | \$0                                       | 325 CY @ 0.5 tons/CY = 162.5 tons  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions |
| Subt - Offsite Disp. Sweepings         |                    |                 |            | \$24,760                                   | \$0                                       |  |   |
| (Subt: Assemb 11.1 thru 11.5(a))       |                    |                 |            | \$26,374                                   | \$2,089                                   | sweeping roadways, loading, transportation and off-site disposal of sweepings                                  |   |
| 11.6 PPE Usage & H&S Planning          |                    |                 |            |  |   | Level C @ 0%; Level Mod C @ 25%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 3.2                | days            | \$0.00     | \$0  | \$0                                       | 33.8 hours @ 8 hr/day = 4.2 days @ 75% "D" days = 3.2 days   | Standard Work Clothes - Site Experience   |
| PPE Usage - Mod Level C                | 1.0                | days            | \$9.00     | \$9  | \$9                                       | 33.8 hours @ 8 hr/day = 4.2 days @ 25% "Mod C" days = 1.0 days   | 25% of non-supv hrs in Mod Level C (price: \$9/day)   |
| PPE Usage - Level C                    | 0.0                | days            | \$25.00    | \$0  | \$0                                       | 33.8 hours @ 8 hr/day = 4.2 days @ 0% "C" days = 0 days  | 0% of non-supv hrs in Level C (price: \$25/day)   |
| Safety Engineer                        | 0.8                | hours           | \$75.00    | \$60                                       | \$60                                      | 33.8 hours @ 0.025 hr/hr = 0.8 hours   | Safety Eng Rate: rate 2011 3rd party quote  |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$69                                       | \$69                                      |  |   |
|  |                    |                 |            |  |   |  |   |

Overall Site-Wide Closure Cost Estimate  
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11.0 Roadways

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Offsite Disposal | 2011 CWM Extended Price - Onsite Disposal | Basis of Production and Quantities for In-house Estimate                         | In-house Pricing References                |
|--|--------------------|-----------------|------------|--|---|--|--|
| 11.7 Supervision                       |                    |                 |            |  |   | 0.2 weeks supervisory time for Roadways  |  |
| Foreman                                | 8.0                | hours           | \$65.00    | \$520                                      | \$520                                     | 0.2 weeks @ 40 hrs/wk = 8.0 hours  | Outside foreman rate: 2011 3rd party quote |
| Site Project Manager                   | 0.0                | hours           | \$75.00    | \$0  | \$0                                       | Included in Gen'l Contractor G&A/Home Office indirect costs                      | Site Manager Rate: 2011 3rd party quote    |
| Subtotal - Supervision                 |                    |                 |            | \$520                                      | \$520                                     |  |  |
| 11.8 Certification                     |                    |                 |            |  |   | Engineer @ 1.5% and Clerical @ 1.5% of total non-supervisory hours for all tasks |  |
| Engineer                               | 0.5                | hours           | \$130.00   | \$65                                       | \$65                                      | 33.8 hours @ 0.015 hr/hr = 0.5 hours   | Engineer rate: 2011 3rd party quote        |
| Clerical                               | 0.5                | hours           | \$45.00    | \$23                                       | \$23                                      | 33.8 hours @ 0.015 hr/hr = 0.5 hours   | Clerical rate: 2011 3rd party quote        |
| Subtotal - Certification               |                    |                 |            | \$88                                       | \$88                                      |  |  |
| (Subt: Assemblies 11.6 thru 11.8)      |                    |                 |            | \$677                                      | \$677                                     | supervision, health & safety, and certification                                  |  |
| 11.0 Roadways - Basic                  | Direct Cost        | Total           | Basic      | \$27,051                                   | \$2,765                                   |  |  |

Overall Site-Wide Closure Cost Estimate  
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| 11.0 Roadways                    |  |  |                   |
|----------------------------------|--|--|-------------------|
| Total Cost Summary               |  |  |                   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>2011 Cost<br>OffSite<br>Disposal | Cost Range        |
|                                  |  |  |                   |
| Direct Costs/Basic Disposal      |  | \$27,051                                     |                   |
|                                  |  |  |                   |
| Plus Indirect Costs/Profit:      |  |  |                   |
| Site Activity Management Costs   | 7.00%                                    | \$1,894                                      | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$1,082                                      | note: DEC uses 4% |
| Pre-Construction Design Costs    | 6.00%                                    | \$1,623                                      | note: DEC uses 6% |
| Engineering During Construction  | 2.00%                                    | \$541  | note: DEC uses 2% |
| General Contractor Profit        | 6.00%                                    | \$1,623                                      | Note DEC adds 6%  |
| Indirect Costs/Basic Disposal    | 25.00%                                   | \$6,763                                      |                   |
|                                  |  |  |                   |
| Subtotal - Roadways              |  | \$33,814                                     |                   |
|                                  |  |  |                   |
| Plus Contingency                 | 10.00%                                   | \$3,381                                      | CWM and DEC 10%   |
|                                  |  |  |                   |
| Total - Roadways                 |  | \$37,195                                     |                   |
|                                  |  |  |                   |

Cost References:  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
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12.0 Site Monitoring

| Basic Closure Activities: Direct Costs       | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                |
|--|--------------------|-----------------|------------|-------------------------|---|--|
|  |                    |                 |            |                         |   |  |
| 12.1 Outfalls 002, 003, 004 SPDES Monitoring |                    |                 |            |                         | production rate = 2 hours per sample for a one-person crew: one (1) year of monitoring during closure |  |
| Weekly Sampling Events                       |                    |                 |            |                         | 1 years = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples   | sampling & analysis according to SPDES Permit              |
| Technician                                   | 312                | hours           | \$38.00    | \$11,856                | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew = 312.0 hours                                   | technician rate: rate 2011 3rd party quote                 |
| Pickup Truck                                 | 312                | hours           | \$10.45    | \$3,260                 | 312.0 hours   | RSM/HC p. 472 (line item 01 54 33 40 7100)                 |
| Sampling Equipment                           | 312                | hours           | \$5.00     | \$1,560                 | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew = 312.0 hours                                   | samplers, meters, etc.                                     |
| Sampling Supplies                            | 156                | samp            | \$5.00     | \$780                   | 156 samples   | bottles, shipping supplies                                 |
| pH   | 156                | samp            | \$10.67    | \$1,664                 | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples  | weekly: Average of three quotes                            |
| Specific Conductance                         | 156                | samp            | \$13.33    | \$2,080                 | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples  | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)                 | 128                | samp            | \$13.33    | \$1,707                 | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 128 samples                                 | weekly: Average of three quotes                            |
| Total Dissolved solids                       | 128                | samp            | \$15.00    | \$1,920                 | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 128 samples                                 | weekly: Average of three quotes                            |
| Settleable Solids                            | 608.4              | samp            | \$13.33    | \$8,112                 | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples  | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5  | 36                 | samp            | \$31.67    | \$1,140                 | 3 outfalls @ 1 samp/OF/month @ 1 year = 36 samples  | monthly: Average of three quotes                           |
| Dissolved Oxygen                             | 36                 | samp            | \$17.50    | \$630                   | 3 outfalls @ 1 samp/OF/month @ 1 year = 36 samples  | monthly: Average of three quotes                           |
| Ammonia (NH3)                                | 36                 | samp            | \$22.67    | \$816                   | 3 outfalls @ 1 samp/OF/month @ 1 year = 36 samples  | monthly: Average of three quotes                           |
| VOCs (624)                                   | 72                 | samp            | \$105.00   | \$7,560                 | 3 outfalls @ 2 samp/OF/month @ 1 year = 72 samples  | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                          | 72                 | samp            | \$40.00    | \$2,880                 | 3 outfalls @ 2 samp/OF/month @ 1 year = 72 samples  | 2/month: Average of three quotes                           |
| Copper                                       | 36                 | samp            | \$17.67    | \$636                   | 3 outfalls @ 1 samp/OF/month @ 1 year = 36 samples  | monthly: Average of three quotes                           |
| Zinc   | 36                 | samp            | \$17.67    | \$636                   | 3 outfalls @ 1 samp/OF/month @ 1 year = 36 samples  | monthly: Average of three quotes                           |
| Phenols                                      | 36                 | samp            | \$26.67    | \$960                   | 3 outfalls @ 1 samp/OF/month @ 1 year = 36 samples  | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))    | 156                | samp            | \$133.33   | \$20,800                | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples  | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                    |                    | samp            | \$86.67    | \$0                     | 3 outfalls @ 2 samp/OF/month @ 1 year = 72 samples  | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                      | 72                 | samp            | \$75.00    | \$5,400                 | 3 outfalls @ 2 samp/OF/month @ 1 year = 72 samples  | 2/month: Average of three quotes                           |
| Methylene chloride                           |                    | samp            | \$75.00    | \$0                     | 3 outfalls @ 2 samp/OF/month @ 1 year = 72 samples  | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                     | 156                | samp            | \$5.00     | \$780                   |   |  |
| Subt - SPDES Outfall Sampling & Analysis     |                    |                 |            | \$75,177                | three outfalls requiring weekly sampling & analysis for 1.0 year during closure                       |  |
|  |                    |                 |            |                         |   |  |
| 12.2 Discharge Monitoring Report             |                    |                 |            |                         | Monthly Discharge Monitoring Reports  |  |
| Engineer (Report)                            | 24                 | hours           | \$130.00   | \$3,120                 | 1 years = 2 hrs/event = 24.0 hours @ 1 units/crew = 24.0 hours  | Engineer rate: 2011 3rd party quote                        |
| Clerical                                     | 48                 | hours           | \$45.00    | \$2,160                 | 1 years = 4 hrs/event = 48.0 hours @ 1 units/crew = 48.0 hours  | Clerical rate: 2011 3rd party quote                        |
| Subt - Discharge Monitoring Report           |                    |                 |            | \$5,280                 | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                                  |  |
|  |                    |                 |            |                         |   |  |
| 12.3 RCRA Inspections (daily)                |                    |                 |            |                         | Technician 8 hrs/day 5 days per week on weekdays and 4 hrs/day 2 days per week on weekends            |  |
| Technician                                   | 2496               | hours           | \$38.00    | \$94,848                | 1 years = 52 weeks @ 48 hrs/week = 2496 hours   |  |
| Pickup Truck                                 | 2496               | hours           | \$10.45    | \$26,083                | 2496 hours  |  |
| Subt - RCRA Inspections                      |                    |                 |            | \$120,931               | Daily RCRA Inspections of facility  |  |
| (Subt: Assemblies 12.1 thru 12.3)            |                    |                 |            | \$201,388               |   |  |

Overall Site-Wide Closure Cost Estimate  
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|                                      |  |                                   |                          |
|--------------------------------------|--|-----------------------------------|--------------------------|
| <b>12.0 Site Monitoring</b>          |  |                                   |                          |
| <b>Total Cost Summary</b>            |  |                                   |                          |
| <b>Cost Category</b>                 | <b>Proposed<br/>Percent<br/>of Direct<br/>Cost</b> | <b>Proposed<br/>2011<br/>Cost</b> | <b>Cost Range</b>        |
|                                      |  |                                   |                          |
| <b>Direct Costs/Basic Disposal</b>   |  | \$201,388                         |                          |
|                                      |  |                                   |                          |
| Plus Indirect Costs/Profit:          |  |                                   |                          |
| Site Activity Management Costs       | 7.00%  | \$14,097                          | note: DEC uses 7%        |
| Gen'l Contractor G&A/Home Office     | 4.00%  | \$8,056                           | note: DEC uses 4%        |
| Pre-Construction Design Costs        | 0.00%  | \$0                               | No design necessary      |
| Engineering During Construction      | 0.00%  | \$0                               | No engineering necessary |
| General Contractor Profit            | 6.00%  | \$12,083                          | Note DEC adds 6%         |
| <b>Indirect Costs/Basic Disposal</b> | 17.00%   | \$34,236                          |                          |
|                                      |  |                                   |                          |
| <b>Subtotal - Site Monitoring</b>    |  | \$235,624                         |                          |
|                                      |  |                                   |                          |
| <b>Plus Contingency</b>              | 10.00%   | \$23,562                          |                          |
|                                      |  |                                   |                          |
| <b>Total - Site Monitoring</b>       |  | \$259,187                         |                          |

**Cost References:**  
"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)  
"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)  
"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

13.0 Third Party Leachate Treatment Cost

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate            | In-house Pricing References                               |
|--|--------------------|-----------------|------------|-------------------------|---|---|
| 13.1 AWTS Operation                    |                    |                 |            |                         | Shift operation of the AWTS for 1 year                              |   |
| Material handler/basic labor           | 1920.0             | hours           | \$39.00    | \$74,880                | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew = 1920.0 hours | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Maintenance/basic labor                | 3840.0             | hours           | \$39.00    | \$149,760               | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew = 3840.0 hours | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Operator/technician                    | 5840.0             | hours           | \$38.00    | \$221,920               | 365 days @ 8 hours/day = 2920 hours @ 2 units/crew = 5840.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Laboratory/technician                  | 1920.0             | hours           | \$38.00    | \$72,960                | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew = 1920.0 hours | loaded labor rate: loaded labor rate 2011 3rd party quote |
| AWT Foreman/Supervisor                 | 2920.0             | hours           | \$65.00    | \$189,800               | 365 days @ 8 hours/day = 2920 hours @ 1 units/crew = 2920.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - AWTS Operation                  |                    |                 |            | \$709,320               | AWTS Operation  |   |
| 13.2 Batch Tank Qualification          |                    |                 |            |                         | 2 Batch Qualification tanks prior to discharge to facultative ponds | To Meet LDR requirements                                  |
| PCB                                    | 24                 | samp            | \$133.33   | \$3,200                 | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples                   | monthly: Average of three quotes                          |
| Semi-Volatiles                         | 24                 | samp            | \$208.33   | \$5,000                 | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples                   | monthly: Average of three quotes                          |
| Total Mercury                          | 24                 | samp            | \$25.00    | \$600                   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples                   | monthly: Average of three quotes                          |
| BOD-5                                  | 24                 | samp            | \$31.67    | \$760                   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples                   | monthly: Average of three quotes                          |
| Subt - Batch Tank Qualification        |                    |                 |            | \$9,560                 |   | Samples collected by lab technician                       |
| (Subt: Assemb 13.1 thru 13.2)          |                    |                 |            | \$718,880               | operation of AWTS for one (1) year during closure of the site       |   |

|                             |             |       |       |           |
|-----------------------------|-------------|-------|-------|-----------|
| 13.0 AWTS Operation - Basic | Direct Cost | Total | Basic | \$718,880 |
|-----------------------------|-------------|-------|-------|-----------|

Note:  
Labor only. Material costs included in leachate treatment unit costs included in the applicable assemblies.



Overall Site-Wide Closure Cost Estimate  
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|                                      |   |                                   |                   |
|--------------------------------------|---|-----------------------------------|-------------------|
| <b>13.0 AWTS Operation</b>           |   |                                   |                   |
| <b>Total Cost Summary</b>            |   |                                   |                   |
| <b>Cost Category</b>                 | <b>Proposed<br/>Percent<br/><br/>of Direct Cost</b> | <b>Proposed<br/>2011<br/>Cost</b> | <b>Cost Range</b> |
|                                      |   |                                   |                   |
| <b>Direct Costs/Basic Disposal</b>   |   | \$718,880                         |                   |
|                                      |   |                                   |                   |
| Plus Indirect Costs/Profit:          |   |                                   |                   |
| Site Activity Management Costs       | 7.00%   | \$50,322                          | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office     | 4.00%   | \$28,755                          | note: DEC uses 4% |
| Pre-Construction Design Costs        | 6.00%   | \$43,133                          | note: DEC uses 6% |
| Engineering During Construction      | 2.00%   | \$14,378                          | note: DEC uses 2% |
| General Contractor Profit            | 6.00%   | \$43,133                          | Note DEC adds 6%  |
| <b>Indirect Costs/Basic Disposal</b> | 25.00%  | \$179,720                         |                   |
|                                      |   |                                   |                   |
| <b>Subtotal - AWTS Operation</b>     |   | \$898,600                         |                   |
|                                      |   |                                   |                   |
| <b>Plus Contingency</b>              | 10.00%  | \$89,860                          | CWM and DEC 10%   |
|                                      |   |                                   |                   |
| <b>Total - AWTS Operation</b>        |   | \$988,460                         |                   |
|                                      |   |                                   |                   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

14.0 RMU-1 Landfill Closure

| Basic Closure Activities: Direct Costs      | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                   |
|---|--------------------|-----------------|------------|-------------------------|---|---|
| Waste Cover Area Parameters                 |                    |                 |            |                         | 39.6 acres = 1724976 SF = 191664 SY = 63888 BCY @ 1' deep   |   |
| Certified Final Cover Area (as of 2010)     |                    |                 |            |                         | 17.9 acres = 779724 SF = 86636 SY   |   |
| Slope Correction (5%)                       |                    |                 |            |                         | 21.7 + 5% = 22.8 acres  |   |
| Active Waste Area                           |                    |                 |            |                         | 22.8 acres = 993168 SF = 110352 SY = 18,392 BCY @ 0.5' deep = 55,176 BCY @ 1.5' deep                        |   |
| 2011 Final Cover Area (minus 10 acres)      |                    |                 |            |                         | 22.8 acres - 10 acres = 12.8 acres = 557568 SF = 61952 SY = 10,325 BCY @ 0.5' deep = 30,976 BCY @ 1.5' deep |   |
| Perimeter Ditch                             |                    |                 |            |                         | 1,500 linear feet   |   |
| Drainage Tile System                        |                    |                 |            |                         | 6,500 linear feet   |   |
| <b>14.1 Final Waste Cover Grading</b>       |                    |                 |            |                         | production rate = 250 cy/hr - based upon max of 12 inch depth   |   |
| Volume of Material to be Graded             |                    |                 |            |                         | 75988 BCY plus 25% comp fact = 94985 LCY x 0% offsite mat'l = 0 LCY   | no add'l mat'l; levelling/grading of existing waste pile only |
| Waste Grading                               | 12.8               | acre            | \$5,000.00 | \$64,000                | 12.8 acres  | Contractor Rates/Site experience                              |
| Subt - Grading Final Waste Cover            |                    |                 |            | \$64,000                | BCY = bank (in situ) compacted material; LCY = loose (ex situ) uncompacted material                         |   |
|   |                    |                 |            |                         |   |   |
| <b>14.1a Equipment Decontamination</b>      |                    |                 |            |                         | production rate = 4 hours per unit with 2 man crew: 6 pieces of equipment                                   |   |
| Laborer                                     | 48                 | hours           | \$39.00    | \$1,872                 | 6 units @ 4 hrs/unit = 24 hours @ 2 pers/crew = 48 hours  | HASP req's two: loaded labor rate 2011 3rd party quote        |
| Cleaning Solvent                            | 6                  | gal             | \$4.00     | \$24                    | 6 units @ 1 gal/unit = 6 gallons  | site experience   |
| Pressure Washer                             | 24                 | hours           | \$4.04     | \$97                    | 6 units @ 4 hrs/unit = 24 hours @ 1 units/crew = 24 hours   | RSM/HC p. 471 (line item 01 54 33 40 5450)                    |
| PCB Solids/Debris Transport                 | 4.8                | mile            | \$3.50     | \$17                    | 1 drum Solids/debris @ 80 drums/load = 0.0125 loads @ 385 miles/load = 4.8 miles                            | Rate: transporters quote/site experience                      |
| PCB Solids/Debris Disposal                  | 1                  | drum            | \$100.00   | \$100                   | 1 drum Solids/debris  | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing      |
| Subt - Equipment Decontamination            |                    |                 |            | \$2,110                 |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.1b Decon Water Samp/Dispose</b>       |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs; facility treatment unit price = \$0.0273/gallon           |   |
| Technician                                  | 1                  | hours           | \$38.00    | \$38                    | 1.0 samp @ 0.5 hr/samp = 0.5 hours @ 2 pers/crew = 1.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote        |
| VOC Analysis (EPA 624)                      | 1                  | samp            | \$105.00   | \$105                   | 1.0 areas @ 1.0 samp/area = 1.0 samples   | analytical price: average of three quotes                     |
| On-site Water Disposal                      | 1200               | gal             | \$0.0313   | \$38                    | 6 units @ 200 gal/unit/wa = 1200 gallons  | 200 gallons per unit/site experience                          |
| Subt - Decon Water Samp/Disposal            |                    |                 |            | \$181                   |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.1c PCB Equipment Wipe</b>             |                    |                 |            |                         | production rate = 0.5 hours/sample for two techs;2 wipe samples per unit/site experience                    |   |
| Technician                                  | 12                 | hours           | \$38.00    | \$456                   | 12.0 samp @ 0.5 hr/samp = 6.0 hours @ 2 pers/crew = 12.0 hours  | HASP req's two: loaded labor rate 2011 3rd party quote        |
| PCB Analysis (SW 8081/8082)                 | 12                 | samp            | \$83.33    | \$1,000                 | 6 units @ 2 samp/unit = 12.0 samples  | analytical price: average of three quotes                     |
| Subt - PCB Wipe                             |                    |                 |            | \$1,456                 |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.2 Perimeter Ditch Spreading</b>       |                    |                 |            |                         | Included in 14.3  |   |
| Subt - Spreading Ditch Fill                 |                    |                 |            | \$0.00                  |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.3 Perimeter Road/Ditch Compaction</b> |                    |                 |            |                         | Includes ditch excavation & road placement compaction   | 2010 Average of two bids                                      |
| Subt - Compact Fin'l Cover/Ditch            | 1500               | LF              | \$12.00    | \$18,000                | Liner feet  |   |
|   |                    |                 |            |                         |   |   |
| <b>14.4 Final Cover/Ditch Inspection</b>    |                    |                 |            |                         | Included in CQA 14.26   |   |
| Subt - Inspecting Final Cover/Ditch         |                    |                 |            | \$0                     |   |   |
| (Subt: Assemblies 14.1 thru 14.4)           |                    |                 |            | \$85,746                | grading, compacting, & inspecting final waste pile layer; decon & testing of equipment                      | waste cover area  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

14.0 RMU-1 Landfill Closure

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                               | In-house Pricing References  |
|--|--------------------|-----------------|-------------|-------------------------|--|--|
| 14.5 Pre-Qual Clay Mat'l Testing       |                    |                 |             |                         | Clay material not used for final cover based on 2009 Redesign                          |  |
| Subt - Pre-Qual Clay Mat'l Testing     |                    |                 |             | \$0                     | Replaced with 0.5' grading layer and geosynthetic clay liner (GCL)                     | see assemblies 14.9a & 14.9b for grading layer and GCL                 |
| 14.6 Clay Test Pad Testing             |                    |                 |             |                         | Clay material not used for final cover based on 2009 Redesign                          |  |
| Subt - Clay Test Pad Testing           |                    |                 |             | \$0                     | Replaced with 0.5' grading layer and geosynthetic clay liner (GCL)                     | see assemblies 14.9a & 14.9b for grading layer and GCL                 |
| 14.7 Clay Layer Spreading              |                    |                 |             |                         | Clay material not used for final cover based on 2009 Redesign                          |  |
| Subt - Spreading Clay Layer            |                    |                 |             | \$0                     | Replaced with 0.5' grading layer and geosynthetic clay liner (GCL)                     | see assemblies 14.9a & 14.9b for grading layer and GCL                 |
| 14.8 Clay Layer Compaction             |                    |                 |             |                         | Clay material not used for final cover based on 2009 Redesign                          |  |
| Subt - Compacting Clay Layer           |                    |                 |             | \$0                     | Replaced with 0.5' grading layer and geosynthetic clay liner (GCL)                     | see assemblies 14.9a & 14.9b for grading layer and GCL                 |
| 14.9 Clay Layer Testing                |                    |                 |             |                         | Clay material not used for final cover based on 2009 Redesign                          |  |
| Subt - Clay Layer Testing              |                    |                 |             | \$0                     | Replaced with 0.5' grading layer and geosynthetic clay liner (GCL)                     | see assemblies 14.9a & 14.9b for grading layer and GCL                 |
| 14.9a Grading Layer                    |                    |                 |             |                         | Based on 2009 Redesign & 12.8 acres remaining to be closed                             |  |
| General Fill                           | 12906              | CY              | \$11.00     | \$141,966               | 10325 BCY plus 25% comp fact = 12906 LCY x 100% offsite mat'l 12906 LCY                |  |
| General Fill Place/Compact             | 12906              | CY              | \$10.00     | \$129,060               | 10325 BCY plus 25% comp fact = 12906 LCY x 100% offsite mat'l 12906 LCY                | Average of two bids (3rd bid disqualified due to non-conformity)       |
| Grading Layer Surface Prep             | 12.8               | acre            | \$10,000.00 | \$128,000               | 12.8 acres   |  |
| Subt - Grading Layer                   |                    |                 |             | \$399,026               |  |  |
| 14.9b Geosynthetic Clay Liner          |                    |                 |             |                         | Based on 2009 Redesign & 12.8 acres remaining to be closed                             |  |
| GCL Material                           | 696960             | SF              | \$0.46      | \$320,602               | 557568 SF plus 25% lap factor = 696960 SF  | 2011 Actual Cost per SQFT including shipping & tax                     |
| GCL Installation                       | 696960             | SF              | \$0.35      | \$243,936               | 557568 SF plus 25% lap factor = 696960 SF  | 2010 Quoted price from CETCO   |
| Subt - GCL                             |                    |                 |             | \$564,538               |  |  |
| (Subt: Assemblies 14.5 thru 14.9b)     |                    |                 |             | \$963,564               | spread and compact grading layer (0.5' offsite material) and install of impervious GCL | cap cover area   |
| 14.10 40-Mil Liner                     |                    |                 |             |                         | production rate = 250 SF/Hr,   |  |
| 40-Mil Polymeric Liner                 | 696960             | SF              | \$0.21      | \$146,362               | 557568 SF plus 25% lap factor = 696960 SF  | 2010 Actual Cost per SQFT including tax & shipping                     |
| 40-Mil Polymeric Liner Installation    | 696960             | SF              | \$0.46      | \$320,602               | 557568 SF plus 25% lap factor = 696960 SF  | 2010 Quoted price from CETCO   |
| Subt - 40-Mil Liner                    |                    |                 |             | \$466,963               |  |  |
| 14.11 Liner Anchor Trench              |                    |                 |             |                         |  |  |
| Anchor Trench                          | 12.8               | acres           | \$1,000.00  | \$12,800                | 12.8 acres remaining   | Average of two bids (3rd bid disqualified due to non-conformity)       |
| Subt - Anchor Trench                   |                    |                 |             | \$12,800                | includes labor & equipment for trenching, backfilling, and compacting (3' x 1.5')      |  |
| 14.12 Geocomposite Drainage Layer      |                    |                 |             |                         | production rate = 5,000 SF/Hr, RSM/UP p. 9-83 (33-08-0513)                             |  |
| Geocomposite Drainage Layer            | 696960             | SF              | \$0.38      | \$264,845               | 557568 SF plus 25% lap factor = 696960 SF  | 2011 Actual Blended cost (TN240 & TN350) including shipping & handling |
| Geocomposite Drainage Layer Install    | 696960             | SF              | \$0.32      | \$223,027               |  | 2010 Quoted price from CETCO   |
| Subt - Geocomposite Layer              |                    |                 |             | \$487,872               |  |  |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

14.0 RMU-1 Landfill Closure

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                      |
|---|--------------------|-----------------|-------------|-------------------------|---|--|
|   |                    |                 |             |                         |   |  |
| <b>14.13 Geosynthetic Liner Testing</b>   |                    |                 |             |                         | QC testing included in Assem 14.10; see assembly 14.26 for QA Monitoring                        |  |
| Subt - Liner Testing                      |                    |                 | \$0         | \$0                     | field testing crew required to work concurrently with liner placement crew in Assem 14.10       |  |
| (Subt: Assemb 14.10 thru 14.13)           |                    |                 |             | \$967,635               | installing geosynthetics above impervious gcl layer   | liner area: cap cover plus 25% lap factor                        |
|   |                    |                 |             |                         |   |  |
| <b>14.14 Unclassified Fill</b>            |                    |                 |             |                         | depth = 1.5 feet (in one 18" lift) for final cover based on 2009 Redesign                       |  |
| General Fill - offsite source             | 38720              | LCY             | \$11        | \$425,920               | 30976 BCY plus 25% comp fact = 38720 LCY x 100% offsite mat'l 38720 LCY                         | Actual Quoted Cost 2011 (Tri-C, Inc.)                            |
| Subt - Spreading Unclassified Fill        |                    |                 |             | \$425,920               | BCY = bank (in situ) compacted material; LCY = loose (ex situ) uncompacted material             |  |
|   |                    |                 |             |                         |   |  |
| <b>14.15 Compacting Unclassified Fill</b> |                    |                 |             |                         | Compaction of one 1.5 feet lift   |  |
| Place/Spread/Compact Unclass. Fill        | 38720              | LCY             | \$10        | \$387,200               | 30976 BCY plus 25% comp fact = 38720 LCY x 100% offsite mat'l 38720 LCY                         | Average of two bids (3rd bid disqualified due to non-conformity) |
| Subt - Compacting Unclass. Fill           |                    |                 |             | \$387,200               |   |  |
|   |                    |                 |             |                         |   |  |
| <b>14.16 Unclassified Fill Testing</b>    |                    |                 |             |                         |   |  |
| Subt - Unclassified Fill Testing          |                    |                 |             | \$0                     | Included in Assemb 14.26 QA/QC Monitoring   |  |
|   |                    |                 |             |                         |   |  |
| <b>14.16a Unclassified Fill Test Fill</b> |                    |                 |             |                         |   |  |
| Test Fill Construction                    | 1                  | each            | \$12,000    | \$12,000                | 1 test fill/source @ 1 source/12.8 acres = 1 test fill  | Actual Cost 2011 (Tri-C, Inc.)                                   |
| Test Fill QA Testing/Reporting            | 1                  | each            | \$8,000     | \$8,000                 |   | Actual Cost 2011 (Ensol, Inc.)                                   |
| Subt - Unclassified Fill Test Fill        |                    |                 |             | \$20,000                |   |  |
| (Subt: Assemb 14.14 thru 14.16a)          |                    |                 |             | \$833,120               | spreading and compacting unclassified fill layer; 1.5-feet in depth using 100% offsite material | cap cover area   |
|   |                    |                 |             |                         |   |  |
| <b>14.17 Spreading Topsoil</b>            |                    |                 |             |                         | depth = 0.5 feet  |  |
| Topsoil                                   | 12906              | LCY             | \$15.00     | \$193,590               | 10325 BCY plus 25% comp fact = 12906 LCY x 100% offsite mat'l 12906 LCY                         | Actual Cost 2011 (Tri-C, Inc.)                                   |
| Spreading Topsoil                         | 12906              | LCY             | \$11.00     | \$141,966               | 10325 BCY plus 25% comp fact = 12906 LCY x 100% offsite mat'l 12906 LCY                         | Average of two bids (3rd bid disqualified due to non-conformity) |
| Subt - Spreading Topsoil                  |                    |                 |             | \$335,556               | BCY = bank (in situ) compacted material; LCY = loose (ex situ) uncompacted material             | Includes hydroseeding/mulch/fertilizer                           |
|   |                    |                 |             |                         |   |  |
| <b>14.18 Cap Vegetation</b>               |                    |                 |             |                         |   | see assembly 14.17 for facility vegetation estimate              |
| Hydro Seeding w/Mulch & Fertilizer        | 0                  | MSF             | 0           | \$0                     | Included in Assemb 14.17  |  |
| Erosion Control Matting                   | 10360              | SY              | \$12.50     | \$129,500               |   | Average of two bids (3rd bid disqualified due to non-conformity) |
| Subt -Cap Vegetation                      |                    |                 |             | \$129,500               |   |  |
| (Subt: Assemb 14.17 thru 14.18)           |                    |                 |             | \$465,056               | placing topsoil and hydro seeding with mulch and fertilizer                                     | cap cover area   |
|   |                    |                 |             |                         |   |  |
| <b>14.19 Downflume Installation</b>       |                    |                 |             |                         |   |  |
| Rip Rap Downflume (grouted)               | 1                  | each            | \$23,625.00 | \$23,625                | 12.8 acres @ 1 downflume = 1 downflume  | Average of two bids (3rd bid disqualified due to non-conformity) |
| Subt - Install Downflume                  |                    |                 |             | \$23,625                |   |  |
|   |                    |                 |             |                         |   |  |
| <b>14.20 Cap Drainage Syst Install'n</b>  |                    |                 |             |                         | production rate = 47.5 LF/hr, RSM/SWL p. 77 (02510-850-0200)                                    |  |
| Install Cap Drainage System               | 6500               | LF              | \$15.06     | \$97,890                | 12.8 acres  | Actual Cost 2011 (Tri-C, Inc.)                                   |
| Subt - Install Cap Drainage System        |                    |                 |             | \$97,890                |   | Average of two bids (3rd bid disqualified due to non-conformity) |
| (Subt: Assemb 14.19 thru 14.20)           |                    |                 |             | \$121,515               | downflume and drainage system installation  | cap cover area   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

14.0 RMU-1 Landfill Closure

| Basic Closure Activities: Direct Costs        | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                                  | In-house Pricing References   |
|---|--------------------|-----------------|------------|-------------------------|---|---|
|   |                    |                 |            |                         |   |   |
| <b>14.21 Groundwater Monitoring</b>           |                    |                 |            |                         | production rate = 0.5 hours per sample for two techs; 51 wells; 3 QA/QC; 1 event/6 months |   |
| Technician                                    | 54                 | hours           | \$38.00    | \$2,052                 | 54 samp @ 0.5 hrs/samp = 22 hours @ 2 units/crew = 54.0 hours                             |   |
| Sampling Supplies                             | 54                 | samp            | \$25.00    | \$1,350                 | 54 samples  | bottles, shipping supplies  |
| VOC Analysis (EPA 624)                        | 51                 | samp            | \$105.00   | \$5,355                 |   |   |
| VOC Analysis (EPA 624) QA/QC                  | 3                  | samp            | \$105.00   | \$315                   | 3 sampl/event   |   |
| Subt - GW Mon During Closure                  |                    |                 |            | \$9,072                 | groundwater monitoring for six (6) months   |   |
| (Subt: Assembly 14.21)                        |                    |                 |            | \$9,072                 |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.22 Leachate Management</b>              |                    |                 |            |                         | leachate collected from surface and sub-surface projected to be mildly contaminated       |   |
| Onsite Aqueous Treatment                      | 12656975           | gals            | \$0.0178   | \$225,294               | 12656975 gals 12 months   | leachate quantity based avg 2002 -2011 actuals over 12 months closure |
| Electricity for 40-gpm Pumps                  | 12264              | kwh             | \$0.10     | \$1,226                 | 2 kw/pump x 8760 hrs/1.0 yr x 10% time on @ 7.0 pumps = 12,264 kwhs                       | 40 gpm pump = 2 hp; 1.0 hph = .75 kwh                                 |
| Electricity for 100-gpm Pumps                 | 13140              | kwh             | \$0.10     | \$1,314                 | 5 kw/pump x 8760 hrs/1.0 yr x 10% time on @ 3.0 pumps = 13,140 kwhs                       | 100 gpm pump = 5 hp; 1.0 hph = .75 kwh                                |
| Electricity for 600-gpm Pump                  | 26280              | kwh             | \$0.10     | \$2,628                 | 30 kw/pump x 8760 hrs/1.0 yr x 10% time on @ 1.0 pump = 26,280 kwhs                       | 600 gpm pump = 30 hp; 1.0 hph = .75 kwh                               |
| 200 GPM Transfer Pump                         | 1                  | each            | \$6,194.00 | \$6,194                 | 1.0 pump =  | 2004 DEC Rate * Implicit Deflator                                     |
| Fuel for 200-gpm Transfer Pump                | 1800               | gals            | \$4.50     | \$8,100                 | 2 gal/hr x 900 hrs/year x 1.0 pump = 1800 gals  | fuel for transfer pump  |
| Pump/Motor Replace/Maint/Repair               | 3                  | each            | \$2,294.00 | \$6,882                 | 12 pumps x 25% factor = 3.0 events  | 2004 DEC Rate * Implicit Deflator                                     |
| Subt - Leachate Management                    |                    |                 |            | \$251,639               | leachate collection and management for twelve months                                      |   |
|   |                    |                 |            |                         |   |   |
| <b>14.23 Leachate Monitoring</b>              |                    |                 |            |                         | 12 months of leachate monitoring  |   |
| Technician                                    | 56                 | hours           | \$38.00    | \$2,128                 | 56.0 samp @ 0.5 hrs/samp = 28.0 hours @ 2 units/crew = 56.0 hours                         |   |
| Sampling Supplies                             | 56                 | samp            | \$5.00     | \$280                   | 56.0 samples Included in unit rate  | bottles, shipping supplies  |
| Primary Leachate: PP VOCs (epa 624)           | 58.8               | samp            | \$105.00   | \$6,174                 | 4 samp/yr x 14 cells x 1.0 years 1.05 QA req't = 58.8 samples                             | analytical price: average of three quotes - permit specifications     |
| Primary Leachate: PCBs (sw 8081)              | 29.4               | samp            | \$131.67   | \$3,871                 | 2 samp/yr x 14 cells x 1.0 years 1.05 QA req't = 29.4 samples                             | analytical price: average of three quotes - permit specifications     |
| Primary Leachate: PP Metals (sw 6010)         | 29.4               | samp            | \$155.00   | \$4,557                 | 2 samp/yr x 14 cells x 1.0 years 1.05 QA req't = 29.4 samples                             | analytical price: average of three quotes - permit specifications     |
| Secondary Leach: VOCs (epa 624)               | 58.8               | samp            | \$105.00   | \$6,174                 | 4 samp/yr x 14 cells x 1.0 years 1.05 QA req't = 58.8 samples                             | analytical price: average of three quotes - permit specifications     |
| Secondary Leach: PP Organics                  | 14.7               | samp            | \$633.33   | \$9,310                 | 1 samp/yr x 14 cells x 1.0 years 1.05 QA req't = 14.7 samples                             | analytical price: average of three quotes - permit specifications     |
| Secondary Leach: PP Metals (sw 6010)          | 14.7               | samp            | \$155.00   | \$2,279                 | 1 samp/yr x 14 cells x 1.0 years 1.05 QA req't = 14.7 samples                             | analytical price: average of three quotes - permit specifications     |
| Shipping                                      | 58.8               | each            | \$5.00     | \$294                   |   |   |
| Subt - Leachate Monitoring                    |                    |                 |            | \$35,067                | leachate collection and management for twelve months                                      | CWM estimate for leachate monitoring for 6 months                     |
| (Subt: Assemb 14.22 thru 14.23)               |                    |                 |            | \$286,705               |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.24 PPE Usage &amp; H&amp;S Planning</b> |                    |                 |            |                         | Level C during waste grading, grading layer installation, and decon only.                 |   |
| PPE Usage - Level D                           | 650                | days            | \$0.00     | \$0                     | 650 man days to complete closure  |   |
| PPE Usage - Mod Level C                       | 0                  | days            | \$9.00     | \$0                     | 0 days for Modified Level C   |   |
| PPE Usage - Level C                           | 110                | days            | \$25.00    | \$2,750                 | 55 days for waste grading, grading layer installation and equip decon * 2 crew = 110 days |   |
| Health & Safety Officer                       | 112                | hours           | \$75.00    | \$8,400                 | 4480.0 hours @ 2.5% hr/hr = 112.0 hours   |   |
| Subt - PPE Usage/H&S Planning                 |                    |                 |            | \$11,150                |   |   |
|   |                    |                 |            |                         |   |   |
| <b>14.25 Supervision</b>                      |                    |                 |            |                         |   |   |
| Foreman                                       | 0                  | hours           | \$65.00    | \$0                     | Foreman included in per acre unit costs   |   |
| Site Project Manager                          | 0                  | hours           | \$75.00    | \$0                     | Included in Construction Management costs   |   |
| Construction Management                       | 12.8               | acre            | \$4,500.00 | \$57,600                | \$4,500 per acre @ 12.8 acres   |   |
| Subtotal - Supervision                        |                    |                 |            | \$57,600                |   |   |
|   |                    |                 |            |                         |   |   |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

14.0 RMU-1 Landfill Closure

| Basic Closure Activities: Direct Costs           | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price | Basis of Production and Quantities for In-house Estimate                 | In-house Pricing References           |
|--|--------------------|-----------------|-------------|-------------------------|--|---------------------------------------|
|  |                    |                 |             |                         |  |                                       |
| 14.26 QA/QC Monitoring/Certification             |                    |                 |             |                         |  |                                       |
| GCL Conformance Testing                          | 7.0                | test            | \$235.00    | \$1,645                 | 557568 SF plus 25% lap factor = 696960 SF @ 1 test/100000 SF = 7.0 tests | Actual Costs 2011 (TRI Environmental) |
| 40-Mil Liner Conformance Testing                 | 7.0                | test            | \$98.00     | \$686                   | 557568 SF plus 25% lap factor = 696960 SF @ 1 test/100000 SF = 7.0 tests | Actual Costs 2011 (TRI Environmental) |
| Geocomposite Liner Conformance Testing           | 7.0                | test            | \$300.00    | \$2,100                 | 557568 SF plus 25% lap factor = 696960 SF @ 1 test/100000 SF = 7.0 tests | Actual Costs 2011 (TRI Environmental) |
| Interface Friction Testing (GCL/Soil)            | 1                  | test            | \$5,055.00  | \$5,055                 | 1 test per material type/source  | Actual Costs 2011 (TRI Environmental) |
| Interface Friction Testing (GCL/40-Mil)          | 1                  | test            | \$5,055.00  | \$5,055                 | 1 test per material type/source  | Actual Costs 2011 (TRI Environmental) |
| Interface Friction Testing (40-Mil/Geocomposite) | 1                  | test            | \$5,055.00  | \$5,055                 | 1 test per material type/source  | Actual Costs 2011 (TRI Environmental) |
| Interface Friction Testing (Geocomposite/Soil)   | 1                  | test            | \$5,055.00  | \$5,055                 | 1 test per material type/source  | Actual Costs 2011 (TRI Environmental) |
| QA/QC Monitoring/Certification                   | 12.8               | acre            | \$25,700.00 | \$328,960               | 12.8 acres   | Actual cost 2010/2011 (Ensol, Inc.)   |
| Subtotal - Certification                         |                    |                 |             | \$353,611               |  |                                       |
|  |                    |                 |             |                         |  |                                       |
| (Subt: Assemb 14.24 thru 14.26)                  |                    |                 |             | \$422,361               | supervision, health & safety, and certification                          |                                       |
|  |                    |                 |             |                         |  |                                       |
| 14.0 RMU-1 Landfill Closure                      |                    |                 |             | \$4,154,774             | CWM estimate based on 12.8 acres   |                                       |

The Total Labor and Maintenance Costs per year to run the AWT Facility was calculated under the Site Wide Post Closure Plan and will remain constant regardless of whether or not RMU-1 is generating leachate; the labor, maintenance and number of days per year to run the facility will be the same. Therefore, no costs are associated with labor and maintenance.

Overall Site-Wide Closure Cost Estimate  
6/6/2012

| 14.0 RMU-1 Landfill Closure       |                                       |                          |                   |
|-----------------------------------|---------------------------------------|--------------------------|-------------------|
| Cost Category                     | Proposed<br>Percent<br>of Direct Cost | Proposed<br>2011<br>Cost | Cost Range        |
|                                   |                                       |                          |                   |
| Direct Costs/Basic Closure        |                                       | \$4,154,774              |                   |
|                                   |                                       |                          |                   |
| Site Activity Management Costs    | 7.00%                                 | \$290,834                | note: DEC uses 7% |
| Gen'l Contractor G&A/Home Office  | 4.00%                                 | \$166,191                | note: DEC uses 4% |
| Pre-Construction Design Costs     | 6.00%                                 | \$249,286                | note: DEC uses 6% |
| Engineering During Construction   | 2.00%                                 | \$83,095                 | note: DEC uses 2% |
| General Contractor Profit         | 6.00%                                 | \$249,286                | Note DEC adds 6%  |
| Indirect Costs/Basic Closure      | 25.00%                                | \$1,038,694              |                   |
|                                   |                                       |                          |                   |
| Subtotal - RMU-1 Landfill Closure |                                       | \$5,193,468              |                   |
|                                   |                                       |                          |                   |
| Plus Contingency                  | 10.00%                                | \$519,347                | CWM and DEC 10%   |
|                                   |                                       |                          |                   |
| Total - RMU-1 Landfill Closure    |                                       | \$5,712,815              |                   |

|               |              |                                  |
|---------------|--------------|----------------------------------|
| Cost Per Acre | \$446,313.63 | CWM estimate based on 12.8 acres |
|---------------|--------------|----------------------------------|

Cost References:

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted for inflation)

"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted Cell #

"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

Waste Area of RMU-1 (14 cells) :

Assumptions:

Deduct 17.9 acres of completed and certified capped area (Phases I through VI) from total 14 cell area of RMU-1.

Use RMU-1 Cover system design components from CWM RMU-1 Closure Plan:

0.5 Grading Layer (Unclassified/General Fill)  
Geosynthetic Clay Liner  
40 mil roughened HDPE geomembrane  
Geocomposite drainage layer  
Eighteen inches (1.5 feet) of unclassified/general fill  
Six inches (0.5 feet) topsoil and vegetative cover

| Acres |     |
|-------|-----|
| 1     | 2.5 |
| 2     | 2.0 |
| 3     | 2.4 |
| 4     | 1.9 |
| 5     | 3.2 |
| 6     | 3.1 |
| 7     | 3.4 |
| 8     | 3.6 |
| 9     | 3.0 |
| 10    | 2.7 |
| 11    | 2.5 |
| 12    | 2.2 |
| 13    | 3.0 |
| 14    | 4.1 |

Total Area                      39.6 acres

Therefore:                      39.6 acres

|   |                                   |
|---|-----------------------------------|
| - | 17.9 capped                       |
|   | 21.7 acres remaining to be capped |
|   | 22.8 +5%                          |
| - | 10 2011 capping                   |
|   | 12.8 acres remaining to be capped |

(Add 5% to area to cover to account for 3:1 side slopes)

Overall Site-Wide Closure Cost Estimate  
6/6/2012

Unit Rates RMU-1  
Closure Cost Estimate  
CWM Chemical Services, LLC, Model City, New York

2011 Unit Rates are based on actual costs for contractor capping 10.0 acres of RMU-1 during Phase VII Final Cover construction.

Basis:

UNIT RATES (THIRD PARTY COSTS)

| RMU-1 CLOSURE   |  | 2011        |                    | Basis of Production and Quantities for In-House Estimate                       |
|---|--|-------------|--------------------|--|
|   |  | UOM         | Price              |  |
| <b>WASTE GRADING</b>  |  |             |                    |  |
| Final waste grading & surface preparation:                  |  | acre        | \$ 5,000           | Actual 2010 costs/site experience using site personnel                         |
|   |  |             |                    |  |
| <b>GRADING LAYER</b>  |  |             |                    |  |
| Load, haul, place, grade, grading layer:                    |  | CY          | \$ 10.00           | Actual Quoted Cost 2011 (Tri-C, Inc.) for placement of grading layer (\$10/CY) |
| Purchase/delivery of general fill from off-site source =    |  | CY          | \$ 11.00           | Actual Quoted Cost 2011 (Tri-C, Inc.) for providing of grading layer (\$11/CY) |
| Grading layer surface preparation:                          |  | acre        | \$ 10,000.00       | Actual cost incurred for 2010 activities                                       |
|   |  |             |                    |  |
| <b>EARTHWORKS CONTRACTOR MOB/DEMOB</b>                      |  | acre        | \$ 37,750.00       | Average of two bids (third bid disqualified due to non-conformity)             |
|   |  |             |                    |  |
| <b>GEOSYNTHETICS</b>  |  |             |                    |  |
| <b>Geosynthetic Clay Liner (GCL)</b>                        |  |             |                    |  |
| Material Cost   |  | SQFT        | \$ 0.46            | 2011 Actual Cost per SQFT including shipping & tax                             |
| Installation Cost   |  | SQFT        | \$ 0.35            | 2010 Average of two bids   |
| Subtotal  |  | <b>SQFT</b> | <b>\$ 0.81</b>     |  |
|   |  |             |                    |  |
| <b>GEOSYNTHETICS CONTRACTOR MOB/DEMOB</b>                   |  | acre        | \$ 13,750.00       | 2010 Average of two bids   |
|   |  |             |                    |  |
| <b>40 mil Roughened HDPE geomembrane (textured 2 sided)</b> |  |             |                    |  |
| Material Cost   |  | SQFT        | \$ 0.21            | 2010 Actual Cost per SQFT including tax & shipping                             |
| Installation Cost   |  | SQFT        | \$ 0.46            | 2010 Average of two bids   |
| Subtotal  |  | <b>SQFT</b> | <b>\$ 0.67</b>     |  |
|   |  |             |                    |  |
| Geosynthetic Installation at Standpipe Riser                |  | <b>each</b> | <b>\$ 1,000.00</b> | Average of two bids (third bid disqualified due to non-conformity)             |
| Geosynthetic Installation at Riser Vault                    |  | <b>each</b> | <b>\$ 1,000.00</b> | Average of two bids (third bid disqualified due to non-conformity)             |
|   |  |             |                    |  |
| <b>Geocomposite</b>   |  |             |                    |  |
| Material Cost   |  | SQFT        | \$ 0.38            | 2011 Actual Blended cost (TN240 & TN350) including shipping & handling         |
| Installation Cost (w/Sewing)                                |  | SQFT        | \$ 0.32            | 2010 Average of two bids   |
| Subtotal  |  | <b>SQFT</b> | <b>\$ 0.70</b>     |  |
| Subtotal Geosynthetics:                                     |  | SQFT        | \$ 2.18            | GCL + Membrane + Geocomposite  |
|   |  |             |                    |  |
| <b>ANCHOR TRENCHES</b>                                      |  |             |                    |  |
| Permanent   |  | acre        | \$ 1,100           | Quoted price from Tri-C  |
| Temporary   |  | acre        | \$ 4,500           | Quoted price from Tri-C  |
| Subtotal  |  | <b>acre</b> | <b>\$ 5,600</b>    |  |
|   |  |             |                    |  |



Overall Site-Wide Closure Cost Estimate  
6/6/2012

Unit Rates RMU-1  
Closure Cost Estimate  
CWM Chemical Services, LLC, Model City, New York

2011 Unit Rates are based on actual costs for contractor capping 10.0 acres of RMU-1 during Phase VII Final Cover construction.

Basis:

UNIT RATES (THIRD PARTY COSTS)

| RMU-1 CLOSURE  |      | 2011         | Basis of Production and Quantities for In-House Estimate                      |
|--|------|--------------|---|
| GEOTEXTILE MATERIAL                                      | acre | \$ 1,220     | Quoted price from Tri-C   |
|  |      |              |   |
| PERIMETER DITCHES AND ROADWAYS                           |      |              |   |
| Perimeter Ditches and Roadways                           | LF   | \$ 12        | 2010 Average of two bids  |
|  |      |              |   |
| UNCLASSIFIED FILL  |      |              |   |
| Load, haul, place, grade and compact general fill:       | CY   | \$ 10.00     | Actual Quoted Cost 2011 (Tri-C, Inc.) for placement of general fill (\$10/CY) |
| Purchase/delivery of general fill from off-site source = | CY   | \$ 11.00     | Actual Quoted Cost 2011 (Tri-C, Inc.) for providing of general fill (\$11/CY) |
| Test Fill Pad Construction                               | each | \$ 12,000.00 | Actual 2010 costs/site experience   |
| Test Fill Pad QA/QC & Reporting                          | each | \$ 8,000.00  | Actual 2010 costs/site experience   |
|  |      |              |   |
| TOPSOIL/VEGETATION                                       |      |              |   |
| Load, place, grade, topsoil:seed, fertilize and mulch =  | CY   | \$ 11.00     | 2011 Quoted price from Tri-C  |
| Purchase/delivery of topsoil from off-site source =      | CY   | \$ 15.00     | Quoted price from Tri-C   |
| Purchase and Installation of erosion control matting =   | SY   | \$ 12.50     | Average of two bids (third bid disqualified due to non-conformity)            |
| Subtotal Topsoil/Vegetation                              | CY   | \$ 38.50     |   |
|  |      |              |   |
| DRAINAGE   |      |              |   |
| Provide, install final cover drainage tile system        | LF   | \$ 15.06     | Average of two bids (third bid disqualified due to non-conformity)            |
| Provide, install final cover surface water downflume     | each | \$ 23,625    | 6,300 SQFT x \$3.75/SQFT = \$23,625   |
|  |      |              |   |
| CQA, SURVEYING AND CQA REPORT                            | acre | \$ 21,689    | 2010 Average of two bids  |
|  |      |              |   |
| CONSTRUCTION CONTRACTOR MOB/DEMOB/ADMIN/SURVEY =         | %    | 5            |   |
|  |      |              |   |
| DESIGN SUPPORT   |      |              |   |
| Pre-Construction Design Costs                            |      | \$ 25,000    | \$25,000 for 22.8 acres   |
| Engineering During Construction                          |      | \$ 25,000    | \$25,000 for 22.8 acres   |
|  |      |              |   |
| CONSTRUCTION MANAGEMENT                                  | acre | \$ 4,500     | Quoted price Ensol, Inc   |

|   |        |          |                                       |
|---|--------|----------|---------------------------------------|
| GEOSYNTHETICS CONFORMANCE TESTING       |        |          |                                       |
| 40-Mil Geomembrane (1/100,000)          | sample | \$ 98    | Actual Costs 2011 (TRI Environmental) |
| Geocomposite (1/100,000)                | sample | \$ 300   | Actual Costs 2011 (TRI Environmental) |
| GCL (1/100,000)                         | sample | \$ 235   | Actual Costs 2011 (TRI Environmental) |
| Interface Friction Testing (GCL/Soil)   | sample | \$ 5,055 | Actual Costs 2011 (TRI Environmental) |
| Interface Friction Testing (GCL/40-Mil) | sample | \$ 5,055 | Actual Costs 2011 (TRI Environmental) |

Overall Site-Wide Closure Cost Estimate  
6/6/2012

Unit Rates RMU-1  
Closure Cost Estimate  
CWM Chemical Services, LLC, Model City, New York

2011 Unit Rates are based on actual costs for contractor capping 10.0 acres of RMU-1 during Phase VII Final Cover construction.

Basis:

UNIT RATES (THIRD PARTY COSTS)

| RMU-1 CLOSURE                                    |        | 2011     | Basis of Production and Quantities for In-House Estimate |
|--|--------|----------|--|
| Interface Friction Testing (40-Mil/Geocomposite) | sample | \$ 5,055 | Actual Costs 2011 (TRI Environmental)                    |
| Interface Friction Testing (Geocomposite/Soil)   | sample | \$ 5,055 | Actual Costs 2011 (TRI Environmental)                    |

| MISCELLANEOUS                   |      |            |                                   |
|---------------------------------|------|------------|-----------------------------------|
| 200 GPM Transfer Pump           | each | \$6,194    | 2004 DEC Rate * Implicit Deflator |
| Pump/Motor Replace/Maint/Repair | each | \$2,294.00 | 2004 DEC Rate * Implicit Deflator |

Rate Adjustment for inflation:

2011 Rate = 110.654 (2010 GDP) ÷ 96.77 (2004 GDP) = 1.14347421721608                      1.147                      Adjust 2004 DEC rates to 2011 rates based on implicit deflator

## **POST-CLOSURE COST ESTIMATE**

**Post-Closure Cost Estimate Summary**  
**CWM Chemical Services, LLC**  
**Model City Facility**  
**Model City, New York**

| <b>No.</b> | <b>Facility Activity Area</b> | <b>Proposed Post-Closure One Year Cost: Base = 2010</b> | <b>Post Closure Period</b> | <b>Proposed 30-Year Post Closure Costs</b> | <b>Perpetual Care Annual Costs Base = 2010</b> | <b>Perpetual Care Discount Rate 2010</b> | <b>Perpetual Care Monitoring Costs Base = 2010</b> |
|------------|-------------------------------|---|----------------------------|--|--|--|--|
| PCC-1      | SLF 1 - 6 (Post CI)           | \$611,261   | 30                         | \$18,337,820                               | \$599,851                                      | 3.85%                                    | \$15,580,558                                       |
| PCC-2      | SLF 7 (Post CI)               | \$243,792   | 30                         | \$7,313,752                                | \$237,668                                      | 3.85%                                    | \$6,173,192  |
| PCC-3      | SLF 10 (Post CI)              | \$231,706   | 30                         | \$6,951,166                                | \$227,134                                      | 3.85%                                    | \$5,899,596  |
| PCC-4      | SLF 11 (Post CI)              | \$323,147   | 30                         | \$9,694,415                                | \$310,844                                      | 3.85%                                    | \$8,073,869  |
| PCC-5      | SLF 12 (Post CI)              | \$248,737   | 30                         | \$7,462,111                                | \$239,180                                      | 3.85%                                    | \$6,212,477  |
| PCC-6      | Resid Mgmt Unit 1 (Post CI)   | \$300,564   | 30                         | \$9,016,922                                | \$271,026                                      | 3.85%                                    | \$7,039,625  |
| PCC-7      | Lagoons/Salts Areas (Post CI) | \$36,015  | 30                         | \$1,080,444                                | \$35,698                                       | 3.85%                                    | \$927,226  |
| PCC-8      | Process Tank Area (Post CI)   | \$40,469  | 30                         | \$1,214,055                                | \$40,469                                       | 3.85%                                    | \$1,051,130  |
| CM-1       | Corrective Measures (Post CI) | \$426,828   | 30                         | \$12,804,855                               | \$426,828                                      | 3.85%                                    | \$11,086,454                                       |
| Totals     |                               | \$2,462,518   | n/a                        | \$73,875,541                               | \$2,388,699                                    | n/a                                      | \$62,044,127                                       |

Notes: (1) DEC Approved Perpetual Care Discount Rate equals 3.85%. Discount Rate recalculated January 2010 at 4.05%. 3.85% used for calculation.

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

|  |  |   |
|--|--|---|
| Basic Closure Activities: Direct Costs | Basis of Production and Quantities for In-house Estimate | DEC Estimate Basis<br>(shaded)<br>In-house Pricing<br>References (unshaded) |
|--|--|---|

|  |          |                  |             |                     |              |              |                 |
|--|----------|------------------|-------------|---------------------|--------------|--------------|-----------------|
| Corrective Measures Parameters Table 1 of 4<br>Number of Monitoring Check Points | GW Wells | Aqueous<br>Sumps | DNAPL Sumps | Extraction<br>Wells | Piezo-meters | Total Ck Pts |                 |
| West Drum Area   | 5        | 7                | 19          | 0                   | 18           | 49           | GWES O&M Manual |
| Lagoons/Process Area I&II  | 9        | 7                | 8           | 7                   | 14           | 45           | & GWSAP         |
| Process Area III   | 1        | 1                | 0           | 0                   | 5            | 7            |                 |
| Process Area IV  | 0        | 0                | 0           | 2                   | 0            | 2            |                 |
| Area South of SLF 3  | 1        | 0                | 0           | 2                   | 4            | 7            |                 |
| P1202S Area  | 3        | 0                | 0           | 1                   | 4            | 8            |                 |
| BW02S Area   | 2        | 0                | 0           | 1                   | 4            | 7            |                 |
| PCB Warehouse Area   | 0        | 0                | 0           | 2                   | 3            | 5            |                 |
| North Salts  | 5        | 0                | 0           | 0                   | 0            | 5            |                 |
| East/West Salts  | 6        | 0                | 0           | 0                   | 0            | 6            |                 |
| Investigation Wells  | 7        | 0                | 0           | 0                   | 0            | 7            |                 |
| Subt - Annual Monitoring Events  | 39       | 15               | 27          | 15                  | 52           | 148          |                 |

|   |          |                  |             |                     |              |              |           |                            |              |  |                 |
|---|----------|------------------|-------------|---------------------|--------------|--------------|-----------|----------------------------|--------------|--|-----------------|
| Corrective Measures Parameters Table 2 of 4<br>Annual Groundwater/DNAPL Level Monitoring Events | GW Wells | Aqueous<br>Sumps | DNAPL Sumps | Extraction<br>Wells | Piezo-meters | Total Ck Pts | No./ Year | Frequency of<br>Monitoring | Events/ Year |  |                 |
| West Drum Area  | 4        | 7                | 19          | 0                   | 18           | 48           | 4         | quarterly                  | 192          |  | GWES O&M Manual |
| Lagoons/Process Area I&II   | 5        | 7                | 8           | 7                   | 16           | 43           | 4         | quarterly                  | 172          |  | & GWSAP         |
| Process Area III  | 1        | 1                | 0           | 0                   | 5            | 7            | 4         | quarterly                  | 28           |  |                 |
| Process Area IV   | 0        | 0                | 0           | 2                   | 0            | 2            | 1         | annually                   | 2            |  |                 |
| Area South of SLF 3   | 2        | 0                | 0           | 2                   | 4            | 8            | 4         | quarterly                  | 32           |  |                 |
| P1202S Area   | 0        | 0                | 0           | 2                   | 4            | 6            | 2         | semi-annually              | 12           |  |                 |
| BW02S Area  | 0        | 0                | 0           | 2                   | 4            | 6            | 2         | semi-annually              | 12           |  |                 |
| PCB Warehouse Area  | 0        | 0                | 0           | 2                   | 3            | 5            | 2         | semi-annually              | 10           |  |                 |
| North Salts   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |
| East/West Salts   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |
| Investigation Wells   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |
| Subtotal - Annual GW/DNAPL Monitoring Level Events  | 12       | 15               | 27          | 17                  | 54           | 125          | n/a       | n/a                        | 460          |  |                 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

|  |  |   |
|--|--|---|
| Basic Closure Activities: Direct Costs | Basis of Production and Quantities for In-house Estimate | DEC Estimate Basis<br>(shaded)<br>In-house Pricing<br>References (unshaded) |
|--|--|---|

|   |              |          |                  |             |                     |              |              |           |                            |                 |                 |  |
|---|--------------|----------|------------------|-------------|---------------------|--------------|--------------|-----------|----------------------------|-----------------|-----------------|--|
| Corrective Measures Parameters Table 3 of 4         |              |          |                  |             |                     |              |              |           |                            |                 |                 |  |
| Annual Groundwater Sampling Events - VOC Analysis   | Storage Tank | GW Wells | Aqueous<br>Sumps | DNAPL Sumps | Extraction<br>Wells | Piezo-meters | Total Ck Pts | No./ Year | Frequency of<br>Monitoring | Events/<br>Year |                 |  |
| West Drum Area                                      | 0            | 3        | 0                | 0           | 0                   | 0            | 3            |           | 2 semi-annually            | 6               | GWES O&M Manual |  |
| Lagoons/Process Area I&II                           | 0            | 9        | 0                | 0           | 0                   | 0            | 9            |           | 2 semi-annually            | 18              | & GWSAP         |  |
| Process Area III                                    | 1            | 1        | 0                | 0           | 0                   | 0            | 2            |           | 2 semi-annually            | 4               |                 |  |
| Process Area IV                                     | 1            | 0        | 0                | 0           | 0                   | 0            | 1            |           | 1 annually                 | 1               |                 |  |
| Area South of SLF 3                                 | 0            | 0        | 0                | 0           | 0                   | 0            | 0            |           | 2 semi-annually            | 0               |                 |  |
| P1202S Area   | 1            | 1        | 0                | 0           | 0                   | 0            | 2            |           | 2 semi-annually            | 4               |                 |  |
| BW02S Area  | 1            | 0        | 0                | 0           | 0                   | 0            | 1            |           | 2 semi-annually            | 2               |                 |  |
| BW02S Area  | 0            | 1        | 0                | 0           | 0                   | 0            | 1            |           | 1 annually                 | 1               |                 |  |
| PCB Warehouse Area                                  | 1            | 0        | 0                | 0           | 0                   | 0            | 1            |           | 2 semi-annually            | 2               |                 |  |
| North Salts   | 0            | 5        | 0                | 0           | 0                   | 0            | 5            |           | 2 semi-annually            | 10              |                 |  |
| East/West Salts                                     | 0            | 6        | 0                | 0           | 0                   | 0            | 6            |           | 2 semi-annually            | 12              |                 |  |
| Investigation Wells                                 | 0            | 3        | 0                | 0           | 0                   | 0            | 3            |           | 1 annually                 | 3               |                 |  |
| Investigation Wells                                 | 0            | 4        | 0                | 0           | 0                   | 0            | 4            |           | 2 semi-annually            | 8               |                 |  |
| Subtotal - Annual GW Sampling Events - VOC Analysis | 5            | 33       | 0                | 0           | 0                   | 0            | 38           | n/a       | n/a                        | 71              |                 |  |

|   |          |                  |             |                     |              |              |           |                            |              |  |                 |  |
|---|----------|------------------|-------------|---------------------|--------------|--------------|-----------|----------------------------|--------------|--|-----------------|--|
| Corrective Measures Parameters Table 4 of 4                                     |          |                  |             |                     |              |              |           |                            |              |  |                 |  |
| Annual Groundwater Sampling Events - VOCs/Semi-VOCs/PCBs/Metals Analysis (STCL) | GW Wells | Aqueous<br>Sumps | DNAPL Sumps | Extraction<br>Wells | Piezo-meters | Total Ck Pts | No./ Year | Frequency of<br>Monitoring | Events/ Year |  |                 |  |
| West Drum Area  | 0        | 3                | 0           | 0                   | 0            | 3            | 1         | annually                   | 3            |  | GWES O&M Manual |  |
| Lagoons/Process Area I&II   | 0        | 2                | 0           | 0                   | 0            | 2            | 1         | annually                   | 2            |  | & GWSAP         |  |
| Process Area III  | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |  |
| Process Area IV   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |  |
| Area South of SLF 3   | 1        | 0                | 0           | 1                   | 0            | 2            | 1         | annually                   | 2            |  |                 |  |
| P1202S Area   | 0        | 0                | 0           | 0                   | 0            | 0            | 1         | annually                   | 0            |  |                 |  |
| BW02S Area  | 0        | 0                | 0           | 0                   | 0            | 0            | 1         | annually                   | 0            |  |                 |  |
| PCB Warehouse Area  | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | annually                   | 0            |  |                 |  |
| North Salts   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |  |
| East/West Salts   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |  |
| Investigation Wells   | 0        | 0                | 0           | 0                   | 0            | 0            | 0         | n/a                        | 0            |  |                 |  |
| Subtotal - Annual GW Sampling Events (STCL Analysis)                            | 1        | 5                | 0           | 1                   | 0            | 7            | n/a       | n/a                        | 7            |  |                 |  |

STCL = Superfund Target Compound List  
GWES O&M Manual = Groundwater Extraction System Operations & Maintenance Manual  
GWSAP = Site-Wide Groundwater Sampling & Analysis Plan

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References (unshaded)                        |
|--|--------------------|-----------------|-------------|---|--|--|---|
| <b>CM-1.1 Annual Groundwater Monit'g</b> |                    |                 |             |   |  | GW Level Monitoring Crew = 1 Technician; GW Sampling Crew = 2 Technicians  |   |
| <i>GW/DNAPL Level Monit'g Events</i>     |                    |                 |             |   |  | <i>396.0 quart'ly + 34.0 semi-ann = 430.0 events</i>   | <i>see Parameter Table 2</i>                                  |
| Technician - Level Monitoring            | 115                | hours           | \$38.00     | \$4,370   | \$4,370  | 460.0 events @ 0.25 hrs/event x 1 per crew = 115 hours   | third party labor rates                                       |
| <i>GW Sampling Events</i>                |                    |                 |             |   |  | <i>66.0 semi-an + 12.0 annual = 78.0 events x 1.05 each = 81.9 samp</i>  | <i>see Parameter Tables 3 &amp; 4; add 5% QA to samples</i>   |
| Technician - GW Sampling                 | 164                | hours           | \$38.00     | \$6,232   | \$6,232  | 82.0 samps @ 1.0 hrs/samp x 2 per crew = 164.0 hours   | third party labor rates                                       |
| Sampling Supplies                        | 82                 | samp            | \$25.00     | \$2,050   | \$2,050  | 82.0 samples   | bottles, shipping supplies                                    |
| VOCs                                     | 69.3               | samp            | \$105.00    | \$7,277   | \$7,277  | 69.3 samples   | average of 3 third party quotes                               |
| VOCs/Semi-VOCs/PCBs/Metals               | 12.7               | samp            | \$773.33    | \$9,821   | \$9,821  | 12.7 samples   | average of 3 third party quotes                               |
| Subt - Annual GW Monitoring              |                    |                 |             | <b>\$29,750</b>   | <b>\$29,750</b>                                      | <i>CM-1 groundwater monitoring</i>   |   |
| <b>CM-1.2 Extr GW Leachate Mgmt</b>      |                    |                 |             |   |  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours   |   |
| Leachate Treatment                       | 751018             | gal             | \$0.1526    | \$114,605   | \$114,605  | 751,018 gals estimated annual leachate volume based upon avg. of rates 1997 to 2011                                    | unit price derived from AWTS O&M model                        |
| Leachate Treatment (PA III)              | 140000             | gal             | \$0.1526    | \$21,364  | \$21,364   | 140,000 gals estimated annual volume based on average per linear foot from existing trench systems                     |   |
| Leachate Treatment (PA IV)               | 14400              | gal             | \$0.1526    | \$2,197   | \$2,197  | 14,400 gals estimate annual volume based on average from PCB Warehouse   |   |
| Leach Treat Syst. Capital Repl Cost      | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                                   | DEC estimate of AWTS capital replacement costs @ 25 yrs       |
| Laborer                                  | 48.0               | hours           | \$38.00     | \$1,824   | \$1,824  | 4 hrs/mon x 12 mon/year = 48 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician                               | 48.0               | hours           | \$38.00     | \$1,824   | \$1,824  | 4 hrs/mon x 12 mon/year = 48 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Sampling Supplies                        | 6.3                | samp            | \$25.00     | \$158   | \$158  | 2.0 samp/yr x 3.0 tanks x 1.05 each = 6.3 samples/year   | bottles, shipping supplies                                    |
| VOCs                                     | 6.3                | samp            | \$105.00    | \$662   | \$662  | 6.3 samples  | average of 3 third party quotes                               |
| Electrical Costs - Pumps                 | 1548.7             | KWH             | \$0.086     | \$133   | \$133  | 1,384.0 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 1548.7 KWH/yr  | 2004 DEC Rate * Implicit Deflator                             |
| Replacement of Main Pump T-8001          | 0.2                | pump            | \$12,000.00 | \$2,400   | \$2,400  | 1 pump per 5 years = 0.2   | 15 hp pump, site experience                                   |
| Replacement of Pumps                     | 3.0                | pump            | \$1,490.00  | \$4,470   | \$4,470  | 30 pumps @ 10.0% pumps/yr = 3 pumps  | 2.0 hp, 4" submersible pump, site experience                  |
| Replacement of Pump Dischg Hose          | 3.0                | hose            | \$211.54    | \$635   | \$635  | 30 pumps @ 10.0% pumps/yr = 3 hoses  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Pumps/Hoses                  | 30.0               | CF              | \$12.45     | \$374   | \$374  | 3 pu/hos @ 10 CF/pump = 30 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Replace Piping - 3"                      | 20.0               | LF              | \$13.41     | \$268   | \$268  | 2,000 LF @ 1.0% per year = 20.0 LF/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Piping - 4"/8" & 6"/10"      | 10.0               | CF              | \$12.45     | \$125   | \$125  | 20.0 LF @ 0.50 CF/LF = 10.0 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Subt - Extr GW Leachate Mgmt             |                    |                 |             | <b>\$168,680</b>  | <b>\$168,680</b>                                     | <i>annual O&amp;M costs plus capital replacement of treatment system, pumps, and piping</i>                            |   |
| <b>CM-1.2a AWTS Operation</b>            |                    |                 |             |   |  | Shift operation of the AWTS for 12 months  |   |
| Material handler/basic labor             | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Maintenance/basic labor                  | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Operator/technician                      | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Laboratory/technician                    | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| AWT Foreman/Supervisor                   | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - AWTS Operation                    |                    |                 |             | <b>\$92,049</b>   | <b>\$92,049</b>                                      | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site            |   |
| <b>CM-1.2b Site Waters Treatment</b>     |                    |                 |             |   |  |  |   |
| Leachate Treatment - Post Closure        | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons  | unit price derived from AWTS model                            |
| Leachate Treatment - Perpetual Care      | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons  | unit price derived from AWTS model                            |
| Tank Trailer (5,500 gals) Collect        | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs                         | RSM/HC p. 472 (line item 01 54 33 40 6900)                    |
| Road Tractor (4 x 2, 30 ton) Transport   | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                              | RSM/HC p. 472 (line item 01 54 33 40 7410)                    |
| Tank Trailer (5,500 gals) Transport      | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs                         | RSM/HC p. 472 (line item 01 54 33 40 6900)                    |
| Tank Trailer (5,500 gals) Fill T-100     | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs                         | RSM/HC p. 472 (line item 01 54 33 40 6900)                    |
| Subt - Site Waters Treatment             |                    |                 |             | <b>\$9,199</b>  | <b>\$9,199</b>                                       | <i>CM share of annual site waters collection &amp; treatment: post-closure &amp; perpetual care frequency are equa</i> | Labor included in PCC-1.7a                                    |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

| Basic Closure Activities: Direct Costs                    | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                       | In-house Pricing References (unshaded)                   |
|---|--------------------|-----------------|------------|---|--|--|--|
| <b>CM-1.2c Batch Tank Qualification</b>                   |                    |                 |            |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds            | To Meet LDR requirements                                 |
| VOCs (624)  | 3.4                | samp            | \$105.00   | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        |  |
| Semi-volatile organics (625)                              | 3.4                | samp            | \$208.33   | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| PCBs (608) (MDL 65 PPT (ng/l))                            | 3.4                | samp            | \$133.33   | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Priority Pollutant Metals (200.7)                         | 3.4                | samp            | \$188.00   | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Mercury (245.1)   | 3.4                | samp            | \$25.00    | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Sulfides  | 3.4                | samp            | \$25.00    | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Cyanide   | 3.4                | samp            | \$35.00    | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Subt - Batch Tank Qualification                           |                    |                 |            | \$2,465   | \$2,465  | CM share of annual batch tank qualification                                    | Samples collected by lab technician                      |
| <b>CM-1.2d Pond Sampling &amp; Analysis (Outfall 001)</b> |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew       | SPDES PreQual Sampling of Outfall 001 prior to discharge |
| Batch Sampling Events                                     |                    |                 |            |   |  | 1 events @ 3 samp/evnt= 3 samples  | sampling & analysis prior to pond discharge              |
| Technician  | 2.6                | hours           | \$38.00    | \$99  | \$99   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 3 units/crew = 18.0 hrs/7 units = 2.6 hrs | technician rate: rate 2011 3rd party quote               |
| Sampling Equipment  | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 1 units/crew = 6.0 hrs/7 units = 0.9 hrs  | boat, samplers, meters, etc.                             |
| Sampling Supplies   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | bottles, shipping supplies                               |
| pH  | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Specific Conductance                                      | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Temperature   | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment                                       | Obtained using field equipment                           |
| Dissolved Oxygen  | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment                                       | Obtained using field equipment                           |
| Total Dissolved solids (TDS)                              | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TDVS (total dissolved volatile solids)                    | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Alkalinity as CaCO3                                       | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TOC   | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Ca/Mg Hardness (200.7)                                    | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Total Suspended Solids (TSS)                              | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Settleable Solids   | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Ammonia (NH3)   | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Phosphorous   | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TON (TKN-NH3)   | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Cyanide   | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Sulfates  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Sulfides  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Surfactants (MBAS)  | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| BOD-5   | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Fluoride  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Chlorine  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Residual Chlorine   | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| NO2   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| NO3   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| VOCs (624)  | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Semi-volatile organics (625)                              | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))                 | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Oil & Grease (1631)                                       | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| total Phenols   | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Priority Pollutant Metals (200.7) *                       | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Mercury (245.1)   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Mercury (1631B)   | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Acute Toxicity/Bioassy                                    | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples   | One quote: actual cost for 2010                          |
| Subt - Pond Sampling & Analysis                           |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge    |  |



Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

| Basic Closure Activities: Direct Costs                 | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References (unshaded)     |
|--|--------------------|-----------------|------------|---|--|--|--|
|  |                    |                 |            |   |  |  |  |
| <b>CM-1.2e Pond S&amp;A Certification &amp; Report</b> |                    |                 |            |   |  | one event per year for divers to check discharge pipe; one predischARGE qualification report                 |  |
| Divers (Sr. Technicians)                               | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |  |
| SCBA Gear (2 units)                                    | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |  |
| Laborer (Surface Support)                              | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |  |
| Underwater Inspection                                  | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @ 1 event per year/ 7 units = 0.15 events  | Based on 2010 site rate of \$3,500         |
| Engineer (Report)                                      | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @ 40 hrs/event = 40.0 hours @ 1 units/crew = 40.0 hours/7 units = 5.7                               | Eng Rate: rate 2011 3rd party quote        |
| Subt - S&A Cert'n & Report                             |                    |                 |            | <b>\$1,341</b>  | <b>\$1,341</b>                                       | <i>diver(s) to check discharge pipe; also engineer's predischARGE qualification report</i>                   | Fac Pond 8 out of service empty            |
|  |                    |                 |            |   |  |  |  |
| <b>CM-1.2f Empty (Pump) FAC Pond to Outfall</b>        |                    |                 |            |   |  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M           | Treated wastewater from all 7 units        |
| <i>FAC Pond 1/2 Inventory in Gallons</i>               | 2750618.0          | <i>gals</i>     | <i>n/a</i> |   |  | 45.8 <i>total hours req'd to pump</i>  | & site waters                              |
| Labor to pump/discharge                                |                    | day hrs         | <i>n/a</i> | \$0   | \$0  | Included in CM-1.2a above  |  |
| Tech/Sampler (day shift only)                          |                    | day hrs         | \$38.00    | \$0   | \$0  | Included in CM-1.2a above  |  |
| Settleable Solids                                      | 1.6                | samp            | \$13.33    | \$21  | \$21   | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples                                  | analytical price: average of three quotes  |
| Dissolved Oxygen                                       | 1.0                | samp            | -          | \$0   | \$0  | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples Field Measurement                                       | analytical price: average of three quotes  |
| Sulfide (total)  | 1.0                | samp            | \$25.00    | \$25  | \$25   | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples   | analytical price: average of three quotes  |
| Discharge Pump (6"/1,000 gal/min)                      | 6.5                | total hrs       | \$12.34    | \$80  | \$80   | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs                     | RSM/HC p. 475 (line item 01 54 33 70 1300) |
| Discharge Pipe (6" Diam/3,000 LF)                      | 19628.0            | foot-hrs        | \$0.0110   | \$216   | \$216  | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628                  | RSM/HC p. 475 (line item 01 54 33 70 0300) |
| Subtotal - Pump FAC Pond 1/2                           |                    |                 |            | <b>\$342</b>  | <b>\$342</b>   | <i>transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)</i>                           |  |
| <i>(Subt: Assemb CM-1.1 thru 1.2f)</i>                 |                    |                 |            | <b>\$305,179</b>  | <b>\$305,179</b>                                     | <i>Corrective Measures share of annual O&amp;M and capital costs for leachate collection &amp; treatment</i> |  |
|  |                    |                 |            |   |  |  |  |
| <b>CM-1.3 Empty Tanks T-8004/5/6/7</b>                 |                    |                 |            |   |  | production rate = 1,650 gals per hour  |  |
| Laborer  | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTS: Assembly CM-1.2a  |  |
| Pumping Equipment                                      | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system   |  |
| Tank Trailer (5,500 gals)                              | 16.8               | Hour            | \$6.31     | \$106   | \$106  | 27,770 gals @ 1650 gals/hr = 16.8 per crew = 1.0 unit/crew = 16.8 hours                                      | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Empty Tanks T-8004/5/6/7                        |                    |                 |            | <b>\$106</b>  | <b>\$106</b>   | <i>pumping leachate from Tanks T-8004, T-8005, T-8006, and T-8007 for transport to Tank T-158</i>            |  |
|  |                    |                 |            |   |  |  |  |
| <b>CM-1.3a Empty Tanks T-8009/10</b>                   |                    |                 |            |   |  | production rate = 1,650 gals per hour  |  |
| Laborer  | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTS: Assembly CM-1.2a  |  |
| Pumping Equipment                                      | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system   |  |
| Tank Trailer (5,500 gals)                              | 93.6               | Hour            | \$6.31     | \$591   | \$591  | 154,400 gals @ 1650 gals/hr = 93.6 per crew = 1.0 unit/crew = 93.6 hours                                     | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Empty Tanks T-8004/5/6/7                        |                    |                 |            | <b>\$591</b>  | <b>\$591</b>   | <i>pumping leachate from Tanks T-8009, and T-8010 for transport to Tank T-158</i>                            |  |
|  |                    |                 |            |   |  |  |  |
| <b>CM-1.4 Transp't Leachate Onsite</b>                 |                    |                 |            |   |  | production rate = 0.5 hours for on-site transport see CM-1.3 above   |  |
| Road Tractor (4 x 2, 30 ton)                           | 2.55               | Hour            | \$32.45    | \$83  | \$83   | 27,770 gals @ 5500 gals/load = 5.1 loads @ 0.5 hrs/trip = 2.55 hours   | RSM/HC p. 472 (line item 01 54 33 40 7410) |
| Driver   | 0                  | Hour            | \$45.00    | \$0   | \$0  | Labor included in third party operation of AWTS: Assembly CM-1.2a  |  |
| Tank Trailer (5,500 gals)                              | 2.55               | Hour            | \$6.31     | \$16  | \$16   | 27,770 gals @ 5500 gals/load = 5.1 loads @ 0.5 hrs/trip = 2.55 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Transp Leachate Onsite                          |                    |                 |            | <b>\$99</b>   | <b>\$99</b>  | <i>onsite transport of leachate from Tanks T-8004, T-8005, T-8006, and T-8007 to Tank T-158</i>              |  |
|  |                    |                 |            |   |  |  |  |
| <b>CM-1.4a Transp't Leachate Onsite</b>                |                    |                 |            |   |  | production rate = 0.5 hours for on-site transport see CM-1.3a above  |  |
| Road Tractor (4 x 2, 30 ton)                           | 14                 | Hour            | \$32.45    | \$454   | \$454  | 154,400 gals @ 5500 gals/load = 28.1 loads @ 0.5 hrs/trip = 14.0 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 7410) |
| Driver   | 0                  | Hour            | \$45.00    | \$0   | \$0  | Labor included in third party operation of AWTS: Assembly CM-1.2a  |  |
| Tank Trailer (5,500 gals)                              | 14                 | Hour            | \$6.31     | \$88  | \$88   | 154,400 gals @ 5500 gals/load = 28.1 loads @ 0.5 hrs/trip = 14.0 hours                                       | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Transp Leachate Onsite                          |                    |                 |            | <b>\$543</b>  | <b>\$543</b>   | <i>onsite transport of leachate from Tanks T-8009, and T-8010 to Tank T-158</i>                              |  |
|  |                    |                 |            |   |  |  |  |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References (unshaded)                    |
|--|--------------------|-----------------|------------|---|--|--|---|
| <b>CM-1.5 Fill Tank T-158</b>          |                    |                 |            |   |  | production rate = 1,650 gals per hour  |   |
| Laborer                                | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTs: Assembly CM-1.2a                                    |   |
| Pumping Equipment                      | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system   |   |
| Tank Trailer (5,500 gals)              | 16.8               | Hour            | \$6.31     | \$106   | \$106  | 27,770 gals @ 1650 gals/hr = 16.8 per crew = 1.0 unit/crew = 16.8 hours                              | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Fill Tank T-158                 |                    |                 |            | <b>\$106</b>  | <b>\$106</b>   | <i>pumping leachate taken from Tanks T-8004, T-8005, T-8006, and T-8007 into Tank T-158</i>          |   |
|  |                    |                 |            |   |  |  |   |
| <b>CM-1.5a Fill Tank T-158</b>         |                    |                 |            |   |  | production rate = 1,650 gals per hour  |   |
| Laborer                                | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTs: Assembly CM-1.2a                                    |   |
| Pumping Equipment                      | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system   |   |
| Tank Trailer (5,500 gals)              | 93.6               | Hour            | \$6.31     | \$591   | \$591  | 154,400 gals @ 1650 gals/hr = 93.6 per crew = 1.0 unit/crew = 93.6 hours                             | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Fill Tank T-158                 |                    |                 |            | <b>\$591</b>  | <b>\$591</b>   | <i>pumping leachate taken from Tanks T-8009, and T-8010 into Tank T-158</i>                          |   |
| (Subt: Assemb CM-1.3 thru 1.5a)        |                    |                 |            | <b>\$2,035</b>  | <b>\$2,035</b>                                       | <i>CM-1 annual leachate transport costs</i>  |   |
|  |                    |                 |            |   |  |  |   |
| <b>CM-1.6 T&amp;D PCBs</b>             |                    |                 |            |   |  | Max annual production years between 2003 & 2010 of 2,025 gallons                                     |   |
| Laborer                                | 0                  | Hour            | \$39.00    | \$0   | \$0  | Include in Assembly CM-1.2a  |   |
| Pumping Equipment                      | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing tank system equipment   |   |
| Transport DNAPL PCB Liquids            | 565.7              | miles           | \$3.50     | \$1,980   | \$1,980  | 2,025 gals/yr @ 5000 gals/load = 0.37 loads @ 1529.0 miles/trip = 565.7 miles                        | transporters quote & site experience                      |
| Dispose of DNAPL PCB Liquids           | 2025               | gals            | \$4.68     | \$9,477   | \$9,477  | 2,025 gallons  | HWC/ETC 2004 & Current third party rate                   |
| Subt - T&D DNAPL PCBs                  |                    |                 |            | <b>\$11,457</b>   | <b>\$11,457</b>                                      |  |   |
| (Subt: Assemb CM-1.6 thru 1.6)         |                    |                 |            | <b>\$11,457</b>   | <b>\$11,457</b>                                      | <i>CM-1 annual DNAPL PCB liquids transport &amp; disposal costs</i>                                  |   |
|  |                    |                 |            |   |  |  |   |
| <b>CM-1.7 Tank Assessments</b>         |                    |                 |            |   |  | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs |   |
| Internal & External Inspections        |                    |                 |            |   |  | 16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr  |   |
| Engineer - Inspection                  | 3.7                | Hour            | \$130.00   | \$481   | \$481  | 0.5 tanks/yr x 8 hrs/tnk x 1.0 per crew = 3.7 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                | 7.3                | Hour            | \$38.00    | \$277   | \$277  | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%             | 1.8                | Hour            | \$130.00   | \$234   | \$234  | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                |                    |                 |            | <b>\$992</b>  | <b>\$992</b>   | <i>inspection of 16 tanks</i>  |   |
|  |                    |                 |            |   |  |  |   |
| <b>CM-1.8 Tank Assessments</b>         |                    |                 |            |   |  | thirty (32) tanks requiring only external inspections once every five years by 1 PE                  |   |
| External Only Inspections              |                    |                 |            |   |  | 32 tanks @ 5 yr inspect = 6.4 tnks/yr @ 7 areas = 0.9 tnks/yr  |   |
| Engineer - Inspection                  | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 0.9 tanks/yr x 4 hrs/tnk x 1.0 per crew = 3.4 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%             | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                |                    |                 |            | <b>\$663</b>  | <b>\$663</b>   | <i>inspection of 32 tanks</i>  |   |
| (Subt: Assemb CM-1.7 thru 1.8)         |                    |                 |            | <b>\$1,655</b>  | <b>\$1,655</b>                                       | CM-1 share of annual tank assessment costs   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

CM-1: Corrective Measures

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References (unshaded)                            |
|--|--------------------|-----------------|------------|---|--|---|---|
| CM-1.9 Replace Mon Well Pump           |                    |                 |            |   |  |   |   |
| Replace Mon Well Pumps                 | 0.98               | pump            | \$900.00   | \$882   | \$882  | 39 pumps @ 2.5% per year = 0.98 pumps/yr  | Site experience third party costs                                 |
| Technician                             | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year  | third party labor costs   |
| Disposal of Pumps                      | 0.98               | CF              | \$12.45    | \$12  | \$12   | 0.98 pumps @ 1.0 CF/pump = 0.98 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)     |
| Repair Mon Well Concrete Pads          | 0.98               | pad             | \$131.50   | \$129   | \$129  | 39 pads @ 2.5% per year = 0.98 pads/yr  | DEC 2004 rate * deflator (2004-2010)                              |
| Disposal of Well Surface Concrete      | 2                  | CF              | \$12.45    | \$25  | \$25   | 0.98 pads @ 2.0 CF/pad = 2.0 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)     |
| Repair Mon Well Covers                 | 0.98               | each            | \$371.63   | \$364   | \$364  | 38 covers @ 2.5% per year = 0.98 covers/yr  | DEC 2004 rate * deflator (2004-2010)                              |
| Disposal of Mon Well Covers            | 0.49               | CF              | \$12.45    | \$6   | \$6  | 0.98 covers @ 0.5 CF/cover = 0.49 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)     |
| Subt - Replace Mon Well Pumps          |                    |                 |            | \$1,494   | \$1,494  | monitoring well pump maintenance and replacement  |   |
| (Subt: Assemb CM-1.9 thru 1.9)         |                    |                 |            | \$1,494   | \$1,494  | CM-1 mon well pump maintenance & replacement  |   |
| Total Non-Super hours 394.0            |                    |                 |            |   |  |   |   |
| CM-1.10 PPE Use/H&S Planning           |                    |                 |            |   |  | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 36.7               | days            | \$0.00     | \$0   | \$0  | 391.4 hours @ 8 hr/day = 48.9 days @ 75% "D" days = 36.7 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                | 7.3                | days            | \$9.00     | \$66  | \$66   | 391.4 hours @ 8 hr/day = 48.9 days @ 15% "C" days = 7.3 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                    | 4.9                | days            | \$25.00    | \$123   | \$123  | 391.4 hours @ 8 hr/day = 48.9 days @ 10% "C" days = 4.9 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer                | 9.8                | hours           | \$75.00    | \$735   | \$735  | 391.4 hours @ 2.5% hr/hr = 9.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$923   | \$923  |   |   |
| CM-1.11 Supervision                    |                    |                 |            |   |  |   |   |
| Foreman                                | 0                  | hours           | \$65.00    | \$0   | \$0  | Included in PCC-1.2a AWTs Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                   | 0                  | hours           | \$75.00    | \$0   | \$0  | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                 |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb CM-1.10 thru 1.11)       |                    |                 |            | \$923   | \$923  | supervision, health & safety, and certification   |   |
| CM-1: Corrective Measures Direct Cost  |                    |                 |            | \$322,744   | \$322,744  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
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| CM-1: Corrective Measures         |  |  |   |  |
|-----------------------------------|--|--|---|--|
| Total Cost Summary                |  |  |   |  |
|                                   |  |  |   |  |
| Cost Category                     | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>Annual<br>Cost Post -<br>Closure<br>Period | Proposed<br>Cost -<br>Annual<br>Perpetual<br>Care | Cost Range   |
| Direct Costs                      |  | \$322,744  | \$322,744   |  |
|                                   |  |  |   |  |
| Plus Indirect Costs/Profit:       |  |  |   |  |
| Site Activity Management Costs    | 3.00%                                    | \$9,682  | \$9,682   | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                         |
| Gen'l Contractor G&A/Home Office  | 4.00%                                    | \$12,910   | \$12,910  | 5% for post-closure. (note: DEC uses 4%)   |
| Pre-Construction Design Costs     | 1.00%                                    | \$3,227  | \$3,227   | For post-closure, design costs minimal and included in Assb CM-1.11. (note: DEC uses 1%) |
| Engineering During Construction   | 1.00%                                    | \$3,227  | \$3,227   | For post-closure, design costs minimal and included in Assb CM-1.11. (note: DEC uses 1%) |
| General Contractor Profit         | 6.00%                                    | \$19,365   | \$19,365  | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%)  |
| Indirect Costs & Profit           | 15.00%                                   | \$48,412   | \$48,412  |  |
|                                   |  |  |   |  |
| Subtotal - Direct/Indirect Costs  |  | \$371,155  | \$371,155   |  |
|                                   |  |  |   |  |
| Plus Contingency                  | 15.00%                                   | \$55,673   | \$55,673  | DEC uses 15% applied to total cost   |
|                                   |  |  |   |  |
| Total - CM-1: Corrective Measures |  | \$426,828  | \$426,828   |  |
|                                   |  |  |   |  |

Corrective Measures Years of Post Closure Years Since Closure N/A Post Closure Years Remaining 30

|                                    |  |              |
|------------------------------------|--|--------------|
| Post Closure Costs Remaining Years |  | \$12,804,855 |
| Post Closure Costs 30-Years        |  | \$12,804,855 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                                |         |      |                     |              |                              |             |           |   |
|--------------------------------|---------|------|---------------------|--------------|------------------------------|-------------|-----------|---|
| SLF 1 - 6 Parameters - Area    |         |      |                     | 18.7 acres = | 90508 SY =                   | 814572 SF = | 814.6 MSF | 31680 LF (6 Mi.) = total est'd perimeter fencing for eight (8) SLFs |
| SLF 1 - 6 Parameters - Fencing |         |      |                     |              |                              |             |           | 3960 LF = portion of perimeter fencing for SLF 1 - 6                |
| SLF 1-6 Years of Post Closure  | Closure | 1985 | Years Since Closure | 27           | Post Closure Years Remaining |             |           | 3   |

|  |     |       |         |       |       |  |   |
|--|-----|-------|---------|-------|-------|--|---|
| <b>PCC-1.1 Annual Visual Inspections</b> |     |       |         |       |       | make visual inspections and log results; two persons required                  |   |
| <i>Post-Closure</i>                      |     |       |         |       |       | Post-Closure Frequencies according to Page 11 of Site-Wide Post-Closure Plan   |   |
| Technician - Landfill                    | 6.8 | hours | \$38.00 | \$258 | \$0   | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 6.8 | hours | \$38.00 | \$258 | \$0   | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.5 | hours | \$38.00 | \$57  | \$0   | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 7.2 | hours | \$38.00 | \$274 | \$0   | 2 hrs/insp x 1.8 insp/year x 2 per crew = 7.2 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0   | \$0   | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Post-Cls   |     |       |         | \$847 | \$0   | SLF 1 - 6 post-closure inspections   |   |
| <i>Perpetual Care</i>                    |     |       |         |       |       | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plan |   |
| Technician - Landfill                    | 4.0 | hours | \$38.00 | \$0   | \$152 | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 4.0 | hours | \$38.00 | \$0   | \$152 | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.0 | hours | \$38.00 | \$0   | \$38  | 4 hrs/insp x 1.0 insp/year x 2 per crew/ 8 facility units = 1.0 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 4.2 | hours | \$38.00 | \$0   | \$160 | 2 hrs/insp x 1.04 insp/year x 2 per crew = 4.2 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0   | \$0   | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care  |     |       |         | \$0   | \$502 | SLF 1 - 6 perpetual care inspections   |   |
| (Subt: Assemb PCC-1.1 thru 1.1)          |     |       |         | \$847 | \$502 | SLF 1 - 6 visual inspections   |   |

|                                       |      |    |         |         |         |  |                           |
|---------------------------------------|------|----|---------|---------|---------|--|---------------------------|
| <b>PCC-1.2 Perimeter Fence Maint.</b> |      |    |         |         |         | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected                  |                           |
| Replacement of Fencing                | 79.2 | LF | \$20.00 | \$1,584 | \$1,584 | 31680 LF div by 8 units x 2% per year = 79.2 LF  | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.         |      |    |         | \$1,584 | \$1,584 | SLF 1 - 6 share of perimeter fence inspection & replacement  |                           |
| (Subt: Assemb PCC-1.2 thru 1.2)       |      |    |         | \$1,584 | \$1,584 | SLF 1 - 6 share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equal |                           |

|   |      |       |          |         |       |   |   |
|---|------|-------|----------|---------|-------|---|---|
| <b>PCC-1.3 Groundwater Monitoring</b>     |      |       |          |         |       | sampling crew composed of two technicians; 22 monitoring wells (21 for unit + 1 upgradient) |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |         |       | 0.0 quart'/ly + 42.0 semi-ann + 0.5 b-ann'/x 1.05 each = 44.6 samp                          | includes 5% QA sampling                                   |
| <i>Post-Closure</i>                       |      |       |          |         |       |   |   |
| Technician                                | 89.2 | hours | \$38.00  | \$3,390 | \$0   | 44.6 samps @ 1.0 hrs/samp x 2 per crew = 89.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 44.6 | samp  | \$25.00  | \$1,115 | \$0   | 44.6 samples  | bottles, shipping supplies                                |
| VOCs                                      | 44.6 | samp  | \$105.00 | \$4,683 | \$0   | 44.6 samples  | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | \$9,188 | \$0   | post closure groundwater monitoring   |   |
|   |      |       |          |         |       |   |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |         |       | 21.0 wells @ sample/5 years 1.05 each = 4.4 samp/yr   | No DEC estimate for perpetual care                        |
| <i>Perpetual Care</i>                     |      |       |          |         |       | Perpetual care groundwater monitoring once every five years                                 |   |
| Technician                                | 8.8  | hours | \$38.00  | \$0     | \$334 | 4.4 samps @ 1.0 hrs/samp x 2 per crew = 8.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 4.4  | samp  | \$25.00  | \$0     | \$110 | 4.4 samples   | bottles, shipping supplies                                |
| VOCs                                      | 4.4  | samp  | \$105.00 | \$0     | \$462 | 4.4 samples   | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | \$0     | \$906 | perpetual care groundwater monitoring   |   |
|   |      |       |          |         |       |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|   |      |       |          |          |          |  |  |
|---|------|-------|----------|----------|----------|--|--|
| PCC-1.4 Outfalls 002,003,004 SPDES Mon    |      |       |          |          |          | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Weekly Sampling Events                    |      |       |          |          |          | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                | 39   | hours | \$38.00  | \$1,482  | \$1,482  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         |  |
| Pickup Truck                              | 39   | hours | \$10.45  | \$408    | \$408    | 39.0 hours   |  |
| Sampling Equipment                        | 39   | hours | \$5.00   | \$195    | \$195    | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5 | samp  | \$5.00   | \$98     | \$98     | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5 | samp  | \$10.67  | \$208    | \$208    | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5 | samp  | \$13.33  | \$260    | \$260    | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2 | samp  | \$13.33  | \$216    | \$216    | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2 | samp  | \$15.00  | \$243    | \$243    | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1 | samp  | \$13.33  | \$1,015  | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5  | samp  | \$31.67  | \$143    | \$143    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5  | samp  | \$17.50  | \$79     | \$79     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5  | samp  | \$22.67  | \$102    | \$102    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9    | samp  | \$105.00 | \$945    | \$945    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9    | samp  | \$40.00  | \$360    | \$360    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5  | samp  | \$17.67  | \$80     | \$80     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5  | samp  | \$17.67  | \$80     | \$80     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5  | samp  | \$26.67  | \$120    | \$120    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5 | samp  | \$133.33 | \$2,600  | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0    | samp  | \$86.67  | \$0      | \$0      | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9    | samp  | \$75.00  | \$675    | \$675    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0    | samp  | \$75.00  | \$0      | \$0      | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5 | samp  | \$5.00   | \$98     | \$98     |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |      |       |          | \$9,403  | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
|   |      |       |          |          |          |  |  |
| PCC-1.4a Discharge Monitoring Report      |      |       |          |          |          | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                         | 3    | hours | \$130.00 | \$390    | \$390    | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                  | 6    | hours | \$45.00  | \$270    | \$270    | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report        |      |       |          | \$660    | \$660    | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| (Subt: Assemb PCC-1.3 thru 1.4a)          |      |       |          | \$19,251 | \$10,970 | SLF 1 - 6 groundwater & stormwater monitoring activities   |  |

|                                 |       |      |             |         |         |   |  |
|---------------------------------|-------|------|-------------|---------|---------|---|--|
| PCC-1.5 Landfill Cover Maint.   |       |      |             |         |         |   |  |
| Replacement of Cover            | 0.187 | acre | \$20,973.33 | \$3,922 | \$3,922 | 18.7 acre @ 1.0% per year = 0.187 acres/yr  | unit price based upon vegetation, topsoil, from RMU-1, |
| Subt - Landfill Cover Maint.    |       |      |             | \$3,922 | \$3,922 | SLF 1 - 6 upper cap maintenance and replacement   | Assemblies 14.17 thru 14.18                            |
|                                 |       |      |             |         |         |   |  |
| PCC-1.6 Mowing/Grooming         |       |      |             |         |         |   |  |
| Mowing                          | 814.6 | MSF  | \$3.21      | \$2,617 | \$2,617 | 814.6 MSF @ 1.0 per year = 814.6 MSF  | DEC 2004 rate * deflator (2004-2010)                   |
| Fertilizing                     | 162.9 | MSF  | \$3.82      | \$622   | \$622   | 814.6 MSF @ 1.0 per 5.0 years = 162.9 MSF   | DEC 2004 rate * deflator (2004-2010)                   |
| Subt - Mowing/Grooming          |       |      |             | \$3,240 | \$3,240 | SLF 1 - 6 mowing and fertilizing  |  |
| (Subt: Assemb PCC-1.5 thru 1.6) |       |      |             | \$7,162 | \$7,162 | SLF 1 - 6 cap maintenance activities: post-closure & perpetual care frequency are equal |  |

Overall Site-Wide Post Closure Cost Estimate  
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PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|--|--------------------|-----------------|-------------|---|--|---|---|
|  |                    |                 |             |   |  |   |   |
| <b>PCC-1.7 Leachate System Mgmt</b>      |                    |                 |             |   |  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours  |   |
| Leachate Treatment - Post Closure        | 138178.00          | gal             | \$1.8244    | \$252,098   | \$0  | 138,178 gals average of past 5 years  | unit price derived from AWTS model with oil @ 25%                     |
| Leachate Treatment - Perpetual Care      | 138178.00          | gal             | \$1.8244    | \$0   | \$252,098  | 138,178 gals average of past 5 years  | unit price derived from AWTS model with oil @ 11%                     |
| Leach Treat Syst. Capital Repl Cost      | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                            | DEC estimate of AWTS capital replacement costs @ 25 yrs               |
| Laborer                                  | 120                | hours           | \$39.00     | \$4,680   | \$4,680  | 10 hrs/mon x 12 mon/year = 120 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Technician                               | 120                | hours           | \$38.00     | \$4,560   | \$4,560  | 10 hrs/mon x 12 mon/year = 120 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Electrical Costs - Pumps                 | 152.5              | KWH             | \$0.086     | \$13  | \$13   | 136.3 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 152.5 KWH/yr  | 2004 DEC Rate * Implicit Deflator                                     |
| Replacement of Main Pump T-105           | 0.2                | pump            | \$2,456.00  | \$491   | \$491  | 1 pump per 5 years = 0.2 pumps  | 250 gpm, 5 hp pump, Site Experience                                   |
| Replacement of Pumps                     | 15                 | pump            | \$1,382.00  | \$20,730  | \$20,730   | 25 pumps @ 60.0% pumps/yr = 15 pumps  | 1.5 hp submersible pump, site experience                              |
| Replacement of Pump Dischg Hose          | 15                 | hose            | \$211.54    | \$3,173   | \$3,173  | 25 pumps @ 60.0% pumps/yr = 15 hoses  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Pumps/Hoses                  | 150                | CF              | \$12.45     | \$1,868   | \$1,868  | 15 pu/hos @ 10 CF/pump = 150 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replacement of Piping - 2"/4"            | 19.7               | LF              | \$53.25     | \$1,049   | \$1,049  | 1,970 LF @ 1.0% per year = 19.7 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 2"/4"               | 6.5                | CF              | \$12.45     | \$81  | \$81   | 19.7 LF @ 0.33 CF/LF = 6.5 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 4"/8" & 6"/10"          | 20                 | LF              | \$73.50     | \$1,470   | \$1,470  | 2,000 LF @ 1.0% per year = 20.0 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 4"/8" & 6"/10"      | 10                 | CF              | \$12.45     | \$125   | \$125  | 20.0 LF @ 0.50 CF/LF = 10.0 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Subt Leachate Coll Syst Mgmt             |                    |                 |             | \$307,979   | \$307,979  | annual O&M costs plus capital replacement of treatment system, pumps, and piping                                |   |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-1.7a AWTS Operation</b>           |                    |                 |             |   |  | Shift operation of the AWTS for 12 months   | no DEC estimate for this activity: DEC Estimate included in unit rate |
| Material handler/basic labor             | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Maintenance/basic labor                  | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Operator/technician                      | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Laboratory/technician                    | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| AWT Foreman/Supervisor                   | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                      | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Subt - AWTS Operation                    |                    |                 |             | \$92,049  | \$92,049   | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site     |   |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-1.7b Site Waters Treatment</b>    |                    |                 |             |   |  |   |   |
| Leachate Treatment - Post Closure        | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Leachate Treatment - Perpetual Care      | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Tank Trailer (5,500 gals) Collect        | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs                  | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Road Tractor (4 x 2, 30 ton) Transport   | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                       | RSM/HC p. 472 (line item 01 54 33 40 7410)                            |
| Tank Trailer (5,500 gals) Transport      | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs                  | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Tank Trailer (5,500 gals) Fill T-100     | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs                  | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Subt - Site Waters Treatment             |                    |                 |             | \$9,199   | \$9,199  | SLF 1 - 6 share of annual site waters collection & treatment: post-closure & perpetual care frequency are equal | Labor included in PCC-1.7a  |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-1.7c Batch Tank Qualification</b> |                    |                 |             |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds   | To Meet LDR requirements  |
| VOCs (624)                               | 3.4                | samp            | \$105.00    | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   |   |
| Semi-volatile organics (625)             | 3.4                | samp            | \$208.33    | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   | monthly: Average of three quotes                                      |
| PCBs (608) (MDL 65 PPT (ng/l))           | 3.4                | samp            | \$133.33    | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   | monthly: Average of three quotes                                      |
| Priority Pollutant Metals (200.7)        | 3.4                | samp            | \$188.00    | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   | monthly: Average of three quotes                                      |
| Mercury (245.1)                          | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   | monthly: Average of three quotes                                      |
| Sulfides                                 | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   | monthly: Average of three quotes                                      |
| Cyanide                                  | 3.4                | samp            | \$35.00     | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples   | monthly: Average of three quotes                                      |
| Subt - Batch Tank Qualification          |                    |                 |             | \$2,465   | \$2,465  |   | Samples collected by lab technician                                   |
|  |                    |                 |             |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs                     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                                     | In-house Pricing References                              |
|--|--------------------|-----------------|------------|---|--|--|--|
| <b>PCC-1.7d Pond Sampling &amp; Analysis (Outfall 001)</b> |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew                     | SPDES PreQual Sampling of Outfall 001 prior to discharge |
| Batch Sampling Events                                      |                    |                 |            |   |  | 1 events @ 3 samp/evnt= 3 samples  | sampling & analysis prior to pond discharge              |
| Technician   | 2.6                | hours           | \$38.00    | \$99  | \$99   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 3 units/crew = 18.0 hrs/7 units = 2.6 hrs               | technician rate: rate 2011 3rd party quote               |
| Sampling Equipment   | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 1 units/crew = 6.0 hrs/ 7 units = 0.9 hrs               | boat, samplers, meters, etc.                             |
| Sampling Supplies  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | bottles, shipping supplies                               |
| pH   | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Specific Conductance                                       | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Temperature  | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment   | Obtained using field equipment                           |
| Dissolved Oxygen   | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment   | Obtained using field equipment                           |
| Total Dissolved solids (TDS)                               | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TDVS (total dissolved volatile solids)                     | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Alkalinity as CaCO3  | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TOC  | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Ca/Mg Hardness (200.7)                                     | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Total Suspended Solids (TSS)                               | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Settleable Solids  | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Ammonia (NH3)  | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Phosphorous  | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TON (TKN-NH3)  | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Cyanide  | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Sulfates   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Sulfides   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Surfactants (MBAS)   | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| BOD-5  | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Fluoride   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Chlorine   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Residual Chlorine  | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| NO2  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| NO3  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| VOCs (624)   | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Semi-volatile organics (625)                               | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))                  | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Oil & Grease (1631)  | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| total Phenols  | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Priority Pollutant Metals (200.7) *                        | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Mercury (245.1)  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Mercury (1631B)  | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Acute Toxicity/Bioassy                                     | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples   | One quote: actual cost for 2010                          |
| Subt - Ponds' Sampling & Analysis                          |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge                  |  |
|  |                    |                 |            |   |  |  |  |
| <b>PCC-1.7e Pond S&amp;A Certification &amp; Report</b>    |                    |                 |            |   |  | one event per year for divers to check discharge pipe; one predischARGE qualification report |  |
| Divers (Sr. Technicians)                                   | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |  |
| SCBA Gear (2 units)  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |  |
| Laborer (Surface Support)                                  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |  |
| Underwater Inspection                                      | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @ 1 event per year/ 7 units = 0.15 events                                  | Based on 2010 site rate of \$3,500                       |
| Engineer (Report)  | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @ 40 hrs/event = 40.0 hours @ 1 units/crew = 40.0 hours/7 units = 5.7               | Eng Rate: rate 2011 3rd party quote                      |
| Subt - S&A Cert'n & Report                                 |                    |                 |            | \$1,341   | \$1,341  | diver(s) to check discharge pipe; also engineer's predischARGE qualification report          | Fac Pond 8 out of service empty                          |
|  |                    |                 |            |   |  |  |  |



Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|  |           |             |            |                  |                  |   |  |
|--|-----------|-------------|------------|------------------|------------------|---|--|
| <b>PCC-1.7f Empty (Pump) FAC Pond to Outfall 001</b> |           |             |            |                  |                  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M  | Treated wastewater from all 7 units        |
| <i>FAC Pond 1/2 Inventory in Gallons</i>             | 2750618.0 | <i>gals</i> | <i>n/a</i> |                  |                  | <i>45.8 total hours req'd to pump</i>   | & site waters                              |
| Labor to pump/discharge                              |           | day hrs     | <i>n/a</i> | \$0              | \$0              | Included in PCC-1.7a above  |  |
| Tech/Sampler (day shift only)                        |           | day hrs     | \$38.00    | \$0              | \$0              | Included in PCC-1.7a above  |  |
| Settleable Solids                                    | 1.6       | samp        | \$13.33    | \$21             | \$21             | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples   | analytical price: average of three quotes  |
| Dissolved Oxygen                                     | 1.0       | samp        | -          | \$0              | \$0              | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | Field Measurement                          |
| Sulfide (total)                                      | 1.0       | samp        | \$25.00    | \$25             | \$25             | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | analytical price: average of three quotes  |
| Discharge Pump (6"/1,000 gal/min)                    | 6.5       | total hrs   | \$12.34    | \$80             | \$80             | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs  | RSM/HC p. 475 (line item 01 54 33 70 1300) |
| Discharge Pipe (6" Diam/3,000 LF)                    | 19628.0   | foot-hrs    | \$0.0110   | \$216            | \$216            | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628   | RSM/HC p. 475 (line item 01 54 33 70 0300) |
| Subtotal - Pump FAC Pond 1/2                         |           |             |            | <b>\$342</b>     | <b>\$342</b>     | <i>transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)</i>  |  |
| <i>(Subt: Assemb PCC-1.7 thru 1.7f)</i>              |           |             |            | <b>\$414,729</b> | <b>\$414,729</b> | <i>SLF 1 - 6 share of annual O&amp;M and capital costs for leachate collection &amp; treatment: post-closure &amp; perpetual care frequency are equal</i> |  |

|  |      |      |         |                |                |  |  |
|--|------|------|---------|----------------|----------------|--|--|
| <b>PCC-1.8 Empty Tank T-130</b>                    |      |      |         |                |                | production rate = 1,650 gals per hour; RSM/UP p. 9-171 (33-19-0101)      |  |
| Laborer  | 0    | Hour | \$39.00 | \$0            | \$0            | Labor included in third party operation of AWTS                          |  |
| Pumping Equipment                                  | 0    | Hour | \$0.00  | \$0            | \$0            | Existing equipment part of tank system                                   |  |
| Tank Trailer (5,500 gals) Post Closure Period      | 83.7 | Hour | \$6.31  | \$528          | \$0            | 138,178 gals @ 1650 gals/hr = 83.7 per crew = 1.0 unit/crew = 83.7 hours | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 83.7 | Hour | \$6.31  | \$0            | \$528          | 138,178 gals @ 1650 gals/hr = 83.7 per crew = 1.0 unit/crew = 83.7 hours | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Empty Tank T-130                            |      |      |         | <b>\$528</b>   | <b>\$528</b>   | <i>pumping leachate from Tank T-130 for transport to Tank T-158</i>      |  |
|  |      |      |         |                |                |  |  |
| <b>PCC-1.9 Transp't Leachate Onsite</b>            |      |      |         |                |                | production rate = 0.5 hours for on-site transport                        |  |
| Road Tractor (4 x 2, 30 ton) Post Closure Period   | 12.6 | Hour | \$32.45 | \$409          | \$0            | 138,178 gals @ 5500 gals/load = 25.1 loads @ 0.5 hrs/trip = 12.6 hours   | RSM/HC p. 472 (line item 01 54 33 40 7410) |
| Road Tractor (4 x 2, 30 ton) Perpetual Care Period | 12.6 | Hour | \$32.45 | \$0            | \$409          | 138,178 gals @ 5500 gals/load = 25.1 loads @ 0.5 hrs/trip = 12.6 hours   | RSM/HC p. 472 (line item 01 54 33 40 7410) |
| Driver   | 0.0  | Hour | \$45.00 | \$0            | \$0            | Labor included in third party operation of AWTS                          |  |
| Tank Trailer (5,500 gals) Post Closure Period      | 12.6 | Hour | \$6.31  | \$80           | \$0            | 138,178 gals @ 5500 gals/load = 25.1 loads @ 0.5 hrs/trip = 12.6 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 12.6 |      | \$6.31  | \$0            | \$80           | 138,178 gals @ 5500 gals/load = 25.1 loads @ 0.5 hrs/trip = 12.6 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Transp Leachate Onsite                      |      |      |         | <b>\$488</b>   | <b>\$488</b>   | <i>onsite transport of leachate from Tank T-130 to Tank T-158</i>        |  |
|  |      |      |         |                |                |  |  |
| <b>PCC-1.10 Fill Tank T-158</b>                    |      |      |         |                |                | production rate = 1,650 gals per hour; RSM/UP p. 9-171 (33-19-0101)      |  |
| Laborer  | 0.0  | Hour | \$39.00 | \$0            | \$0            | Labor included in third party operation of AWTS                          |  |
| Pumping Equipment                                  | 0.0  | Hour | \$0.00  | \$0            | \$0            | Existing equipment part of tank system                                   |  |
| Tank Trailer (5,500 gals) Post Closure Period      | 83.7 | Hour | \$6.31  | \$528          | \$0            | 138,178 gals @ 1650 gals/hr = 83.7 per crew = 1.0 unit/crew = 83.7 hours | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 83.7 | Hour | \$6.31  | \$0            | \$528          | 138,178 gals @ 1650 gals/hr = 83.7 per crew = 1.0 unit/crew = 83.7 hours | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Subt - Fill Tank T-158                             |      |      |         | <b>\$528</b>   | <b>\$528</b>   | <i>pumping leachate taken from Tank T-130 into Tank T-158</i>            |  |
| <i>(Subt: Assemb PCC-1.8 thru 1.10)</i>            |      |      |         | <b>\$1,545</b> | <b>\$1,545</b> | <i>SLF 1 - 6 share of annual leachate transport costs</i>                |  |

|  |     |      |          |              |              |  |   |
|--|-----|------|----------|--------------|--------------|--|---|
| <b>PCC-1.11 Tank Assessments</b>           |     |      |          |              |              | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs |   |
| <i>Internal &amp; External Inspections</i> |     |      |          |              |              | <i>16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr</i>                                 |   |
| Engineer - Inspection                      | 3.7 | Hour | \$130.00 | \$481        | \$481        | 0.5 tanks/yr x 8 hrs/tnk x 1.0 per crew = 3.7 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                    | 7.3 | Hour | \$38.00  | \$277        | \$277        | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%                 | 1.8 | Hour | \$130.00 | \$234        | \$234        | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                    |     |      |          | <b>\$992</b> | <b>\$992</b> | <i>inspection of 16 tanks</i>  |   |
|  |     |      |          |              |              |  |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-1.12 Tank Assessments</b>         |                    |                 |            |   |  |   |   |
|  |                    |                 |            |   |  | thirty (32) tanks requiring only external inspections once every five years by 1 PE                                 |   |
| <i>External Only Inspections</i>         |                    |                 |            |   |  | <i>32 tanks @ 5 yr inspect = 6.4 tnks/yr @ 7 areas = 0.9 tnks/yr</i>  |   |
| Engineer - Inspection                    | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 0.9 tanks/yr x 4 hrs/tnk x 1.0 per crew = 3.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Inspection                  | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Engineer - Reporting @ 50%               | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - Tank Assessments                  |                    |                 |            | \$663   | \$663  | <i>inspection of 32 tanks</i>   |   |
| <i>(Subt: Assemb PCC-1.11 thru 1.12)</i> |                    |                 |            | \$1,655   | \$1,655  | <i>SLF 1 - 6 share of annual tank assessment costs: post-closure &amp; perpetual care frequency are equal</i>       |   |
| <b>PCC-1.13 Replace Mon Well Pump</b>    |                    |                 |            |   |  |   |   |
| Replace Mon Well Pumps                   | 0.55               | pump            | \$900.00   | \$495   | \$495  | 22 pumps @ 2.5% per year = 0.55 pumps/yr  | Site experience third party costs                             |
| Technician                               | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year  | third party labor costs                                       |
| Disposal of Pumps                        | 0.55               | CF              | \$12.45    | \$7   | \$7  | 0.55 pumps @ 1.0 CF/pump = 0.55 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Concrete Pads            | 0.55               | pad             | \$131.50   | \$72  | \$72   | 22 pads @ 2.5% per year = 0.55 pads/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Well Surface Concrete        | 1.1                | CF              | \$12.45    | \$14  | \$14   | 0.55 pads @ 2.0 CF/pad = 1.1 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Covers                   | 0.55               | each            | \$371.63   | \$204   | \$204  | 22 covers @ 2.5% per year = 0.55 covers/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Mon Well Covers              | 0.28               | CF              | \$12.45    | \$3   | \$3  | 0.55 covers @ 0.5 CF/cover = 0.28 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Subt - Replace Mon Well Pumps            |                    |                 |            | \$872   | \$872  | <i>monitoring well pump maintenance and replacement</i>   |   |
| <i>(Subt: Assemb PCC-1.13 thru 1.13)</i> |                    |                 |            | \$872   | \$872  | <i>SLF 1 - 6 mon well pump maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equal</i> |   |
| <b>PCC-1.14 Drainage Ditch Repair</b>    |                    |                 |            |   |  |   |   |
|  |                    |                 |            |   |  | ditches estimated to be 10 feet in width  |   |
| <i>SLF 1 - 6 Drainage Ditches</i>        |                    |                 |            |   |  | <i>4000 LF</i>  | <i>drainage ditches specific to SLF 1 - 6 unit</i>            |
| <i>Facility-wide Drainage Ditches</i>    |                    |                 |            |   |  | <i>22600 LF div by 8 units = 2825 LF</i>  | <i>drainage ditches in non-specific areas of facility</i>     |
| Drainage Ditch Repair                    | 0.016              | acre            | \$5,698.00 | \$91  | \$91   | 6,825 LF x 10 ft/LF = 1.567 acres @ 1.0% per year = 0.016 acres   | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20)     |
| Rip-Rap Downchute Channel Repair         | 70.8               | SY              | \$44.30    | \$3,136   | \$3,136  | 850 LF x 15 FT/LF @ 9.0 SF/SY @ 5.0% per year = 70.8 SY   | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)       |
| Subt - Drainage Ditch Repair             |                    |                 |            | \$3,228   | \$3,228  | <i>stormwater drainage ditch repair</i>   |   |
|  |                    |                 |            |   |  |   |   |
| <b>PCC-1.15 Drainage Ditch Cleaning</b>  |                    |                 |            |   |  |   |   |
|  |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep.                                       |   |
| <i>SLF 1 - 6 Drainage Ditches</i>        |                    |                 |            |   |  | <i>4000 LF</i>  | <i>drainage ditches specific to SLF 1 - 6 unit</i>            |
| <i>Facility-wide Drainage Ditches</i>    |                    |                 |            |   |  | <i>22600 LF div by 8 units = 2825 LF</i>  | <i>drainage ditches in non-specific areas of facility</i>     |
| Drainage Ditch Sediment Cleaning         | 8.4                | CY              | \$2.38     | \$20  | \$20   | 6,825.0 LF x 10.0 ft/LF x 0.333 feet (4") = 841.8 CY @ 1%/yr = 8.4 CY   | unit price based upon FAC Ponds 1/2 excavation (6.11)         |
| Transportation of Ditch Sediment         | 5                  | miles           | \$3.25     | \$16  | \$16   | 11.4 tons @ 20 tons/load = 0.55 loads @ 5 miles per load = 5 miles  | unit price based upon FAC Ponds 1/2 transportation (6.13)     |
| Disposal of Ditch Sediment               | 11.4               | ton             | \$35.00    | \$399   | \$399  | 8.4 CY @ 1.35 ton/CY = 11.4 tons  | unit price based upon FAC Ponds 1/2 disposal (6.14)           |
| Subt - Drainage Ditch Cleaning           |                    |                 |            | \$435   | \$435  | <i>stormwater drainage ditch cleaning</i>   |   |
|  |                    |                 |            |   |  |   |   |
| <b>PCC-1.16 Basin Cleaning</b>           |                    |                 |            |   |  |   |   |
|  |                    |                 |            |   |  | sediment estimated to be 4 inches deep.   |   |
| <i>Basin No. 1</i>                       |                    |                 |            |   |  | <i>140625 SF div by 8 units = 17578 SF</i>  |   |
| <i>Basin No. 2</i>                       |                    |                 |            |   |  | <i>150000 SF div by 8 units = 18750 SF</i>  |   |
| Basin Sediment Cleaning                  | 89.6               | CY              | \$2.38     | \$213   | \$213  | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY   | unit price based upon FAC Ponds 1/2 excavation (6.11)         |
| Transportation of Basin Sediment         | 30.0               | miles           | \$3.25     | \$98  | \$98   | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles   | unit price based upon FAC Ponds 1/2 excavation (6.13)         |
| Disposal of Basin Sediment               | 121.0              | ton             | \$35.00    | \$4,235   | \$4,235  | 89.6 CY @ 1.35 ton/CY = 121.0 tons  | unit price based upon FAC Ponds 1/2 excavation (6.14)         |
| Subt--Basin Cleaning                     |                    |                 |            | \$4,546   | \$4,546  | <i>facility stormwater basin cleaning</i>   |   |
|  |                    |                 |            |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-1: SLF 1 - 6

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|  |      |    |         |                 |                 |  |   |
|--|------|----|---------|-----------------|-----------------|--|---|
| <b>PCC-1.17 Culvert Maint/Replace</b>    |      |    |         |                 |                 | avg culvert = 25' (SLF 1-6) & 40' (sitewide); various diameters  |   |
| <i>SLF 1 - 6 Culverts</i>                |      |    |         |                 |                 | <i>20 culverts x 25 feet long = 500 LF</i>   | <i>culverts specific to SLF 1 - 6 unit</i>        |
| <i>Facility-wide Culverts</i>            |      |    |         |                 |                 | <i>20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF</i>   | <i>culverts in non-specific areas of facility</i> |
| Culvert Cleaning - 8" diameter avg       | 600  | LF | \$2.14  | \$1,283         | \$1,283         | 600.0 LF   | DEC 2004 rate * deflator (2004-2010)              |
| Repl Culvert - 8" diam avg (SLF1-6)      | 25   | LF | \$11.61 | \$290           | \$290           | 25.0 LF  | DEC 2004 rate * deflator (2004-2010)              |
| Repl Culv't - 18" diam avg (sitewide)    | 40   | LF | \$22.35 | \$894           | \$894           | 40.0 LF  | DEC 2004 rate * deflator (2004-2010)              |
| Replace Culvert - Ditch Excavation       | 48.8 | CY | \$2.96  | \$145           | \$145           | 65.0 LF x 0.75 CY/LF = 48.8 CY   | DEC 2004 rate * deflator (2004-2010)              |
| Replace Culvert - Bkfill/Compaction      | 48.8 | CY | \$3.86  | \$189           | \$189           | 48.8 CY  | DEC 2004 rate * deflator (2004-2010)              |
| Subt - Culvert Maint/Replacement         |      |    |         | <b>\$2,800</b>  | <b>\$2,800</b>  | <i>culvert maintenance and replacement</i>   |   |
| <i>(Subt: Assemb PCC-1.14 thru 1.17)</i> |      |    |         | <b>\$11,009</b> | <b>\$11,009</b> | <i>SLF 1 - 6 storm drainage maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equal</i> |   |

|  |     |    |        |                |                |  |  |
|--|-----|----|--------|----------------|----------------|--|--|
| <b>PCC-1.18 Road Maint/Replace</b>       |     |    |        |                |                | gravel roads = 15 feet wide; asphalt roads = 20 feet wide            |  |
| <i>SLF 1 - 6 Gravel Roads</i>            |     |    |        |                |                | <i>7200 LF x 15 feet wide = 12000 SY @ 5% per year = 600.0 SY</i>    | <i>gravel roads specific to SLF 1 - 6 unit</i>         |
| <i>Facility-wide Asphalt Roads</i>       |     |    |        |                |                | <i>21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF</i> | <i>asphalt roads in non-specific areas of facility</i> |
| SLF 1 - 6 Gravel Road Repair             | 600 | SY | \$3.12 | \$1,873        | \$1,873        | 600.0 SY   | DEC 2004 rate * deflator (2004-2010)                   |
| Facility-wide Asphalt Roads              | 528 | SF | \$1.35 | \$712          | \$712          | 4,224.0 SF div by 8 units = 528.0 SF                                 | DEC 2004 rate * deflator (2004-2010)                   |
| Subt - Road Maint/Replacement            |     |    |        | <b>\$2,585</b> | <b>\$2,585</b> | <i>road maintenance and replacement</i>                              |  |
| <i>(Subt: Assemb PCC-1.18 thru 1.18)</i> |     |    |        | <b>\$2,585</b> | <b>\$2,585</b> | <i>SLF 1 - 6 road maintenance &amp; replacement</i>                  |  |

Total Non-Super hours 409.5

|  |      |       |         |              |              |   |   |
|--|------|-------|---------|--------------|--------------|---|---|
| <b>PCC-1.19 PPE Use/H&amp;S Planning</b> |      |       |         |              |              | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                      | 38.4 | days  | \$0.00  | \$0          | \$0          | 409.5 hours @ 8 hr/day = 51.2 days @ 75% "D" days = 38.4 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                  | 7.7  | days  | \$9.00  | \$69         | \$69         | 409.5 hours @ 8 hr/day = 51.2 days @ 15% "C" days = 7.7 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                      | 5.1  | days  | \$25.00 | \$128        | \$128        | 409.5 hours @ 8 hr/day = 51.2 days @ 10% "C" days = 5.1 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer                  | 10.2 | hours | \$75.00 | \$765        | \$765        | 409.5 hours @ 2.5% hr/hr = 10.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning            |      |       |         | <b>\$962</b> | <b>\$962</b> |   |   |
| <b>PCC-1.20 Supervision</b>              |      |       |         |              |              |   |   |
| Foreman                                  | 0    | hours | \$65.00 | \$0          | \$0          | Included in PCC-1.7a AWTS Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                     | 0    | hours | \$75.00 | \$0          | \$0          | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                   |      |       |         | <b>\$0</b>   | <b>\$0</b>   |   |   |
| <i>(Subt: Assemb PCC-1.19 thru 1.20)</i> |      |       |         | <b>\$962</b> | <b>\$962</b> | supervision, health & safety, and certification   |   |

|                                   |  |  |  |                  |                  |
|-----------------------------------|--|--|--|------------------|------------------|
| <b>PCC 1: SLF 1 6 Direct Cost</b> |  |  |  | <b>\$462,201</b> | <b>\$453,574</b> |
|-----------------------------------|--|--|--|------------------|------------------|

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

|                                  |                                 |  |                                       |   |
|----------------------------------|---------------------------------|--|---------------------------------------|---|
| PCC-1: SLF 1 - 6                 |                                 |  |                                       |   |
| Total Cost Summary               |                                 |  |                                       |   |
| Cost Category                    | Proposed Percent of Direct Cost | Proposed Annual Cost Post - Closure Period | Proposed Cost - Annual Perpetual Care | Cost Range  |
| Direct Costs                     |                                 | \$462,201                                  | \$453,574                             |   |
|                                  |                                 |  |                                       |   |
| Plus Indirect Costs/Profit:      |                                 |  |                                       |   |
| Site Activity Management Costs   | 3.00%                           | \$13,866                                   | \$13,607                              | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                           | \$18,488                                   | \$18,143                              | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                           | \$4,622                                    | \$4,536                               | For post-closure, design costs minimal and included in Assb 1.20. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                           | \$4,622                                    | \$4,536                               | For post-closure, design costs minimal and included in Assb 1.20. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                           | \$27,732                                   | \$27,214                              | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                          | \$69,330                                   | \$68,036                              |   |
|                                  |                                 |  |                                       |   |
| Subtotal - Direct/Indirect Costs |                                 | \$531,531                                  | \$521,610                             |   |
|                                  |                                 |  |                                       |   |
| Plus Contingency                 | 15.00%                          | \$79,730                                   | \$78,241                              | DEC uses 15% applied to total cost  |
|                                  |                                 |  |                                       |   |
| Total - PCC-1: SLF 1 - 6         |                                 | \$611,261                                  | \$599,851                             |   |
|                                  |                                 |  |                                       |   |

SLF 1-6 Years of Post Closure

Years Since Closure

27

Post Closure Years Remaining

3

|                                    |  |              |
|------------------------------------|--|--------------|
| Post Closure Costs Remaining Years |  | \$1,833,782  |
| Post Closure Costs 30-Years        |  | \$18,337,820 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                            |              |            |             |         |   |
|----------------------------|--------------|------------|-------------|---------|---|
| SLF 7 Parameters - Area    | 11.2 acres = | 54444 SY = | 490000 SF = | 490 MSF | 31680 LF (6 Mi.) = total est'd perimeter fencing for eight (8) SLFs |
| SLF 7 Parameters - Fencing |              |            |             |         | 3960 LF = portion of perimeter fencing for SLF 7                    |

SLF 7 Years of Post Closure                      Closure      1985              Years Since Closure                      27                      Post Closure Years Remaining                      3

|  |     |       |         |              |              |  |   |
|--|-----|-------|---------|--------------|--------------|--|---|
| <b>PCC-2.1 Annual Visual Inspections</b> |     |       |         |              |              | make visual inspections and log results; two persons required                  |   |
| <i>Post-Closure</i>                      |     |       |         |              |              | Post-Closure Frequencies according to Page 11 of Site-Wide Post-Closure Plan   |   |
| Technician - Landfill                    | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.5 | hours | \$38.00 | \$57         | \$0          | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 7.2 | hours | \$38.00 | \$274        | \$0          | 2 hrs/insp x 1.8 insp/year x 2 per crew = 7.2 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Post-Cls   |     |       |         | <b>\$847</b> | <b>\$0</b>   | SLF 7 post-closure inspections   |   |
| <i>Perpetual Care</i>                    |     |       |         |              |              | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plan |   |
| Technician - Landfill                    | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.0 | hours | \$38.00 | \$0          | \$38         | 4 hrs/insp x 1.0 insp/year x 2 per crew/ 8 facility units = 1.0 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 4.2 | hours | \$38.00 | \$0          | \$160        | 2 hrs/insp x 1.04 insp/year x 2 per crew = 4.2 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care  |     |       |         | <b>\$0</b>   | <b>\$502</b> | SLF 7 perpetual care inspections   |   |
| (Subt: Assemb PCC-2.1 thru 2.1)          |     |       |         | <b>\$847</b> | <b>\$502</b> | SLF 7 visual inspections   |   |

|                                       |      |    |         |                |                |  |                           |
|---------------------------------------|------|----|---------|----------------|----------------|--|---------------------------|
| <b>PCC-2.2 Perimeter Fence Maint.</b> |      |    |         |                |                | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected              |                           |
| Replacement of Fencing                | 79.2 | LF | \$20.00 | \$1,584        | \$1,584        | 31680 LF div by 8 units x 2% per year = 79.2 LF  | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.         |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | SLF 7 share of perimeter fence inspection & replacement  |                           |
| (Subt: Assemb PCC-2.2 thru 2.2)       |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | SLF 7 share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equal |                           |

|   |      |       |          |                |              |   |   |
|---|------|-------|----------|----------------|--------------|---|---|
| <b>PCC-2.3 Groundwater Monitoring</b>     |      |       |          |                |              | sampling crew composed of two technicians; 11 monitoring wells (10 for unit + 1 upgradient) |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |                |              | 0.0 quart'ly + 22.0 semi-ann + 0.0 b-ann'l x 1.05 each = 23.1 samp                          | <i>includes 5% QA sampling</i>                            |
| <i>Post-Closure</i>                       |      |       |          |                |              |   |   |
| Technician                                | 46.2 | hours | \$38.00  | \$1,756        | \$0          | 23.1 samps @ 1.0 hrs/samp x 2 per crew = 46.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 23.1 | samp  | \$25.00  | \$578          | \$0          | 23.1 samples  | bottles, shipping supplies                                |
| VOCs                                      | 23.1 | samp  | \$105.00 | \$2,426        | \$0          | 23.1 samples  | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | <b>\$4,759</b> | <b>\$0</b>   | post closure groundwater monitoring   |   |
|   |      |       |          |                |              |   |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |                |              | 11.0 wells @ sample/5 years 1.05 each = 2.3 samp/yr   |   |
| <i>Perpetual Care</i>                     |      |       |          |                |              | Perpetual care groundwater monitoring once every five years                                 |   |
| Technician                                | 4.6  | hours | \$38.00  | \$0            | \$175        | 2.3 samps @ 1.0 hrs/samp x 2 per crew = 4.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 2.3  | samp  | \$25.00  | \$0            | \$58         | 2.3 samples   | bottles, shipping supplies                                |
| VOCs                                      | 2.3  | samp  | \$105.00 | \$0            | \$242        | 2.3 samples   | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | <b>\$0</b>     | <b>\$474</b> | perpetual care groundwater monitoring   |   |
|   |      |       |          |                |              |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                |
|---|--------------------|-----------------|-------------|---|--|--|--|
| PCC-2.4 Outfalls 002,003,004 SPDES Mon    |                    |                 |             |   |  | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Weekly Sampling Events                    |                    |                 |             |   |  | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                | 39                 | hours           | \$38.00     | \$1,482   | \$1,482  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         |  |
| Pickup Truck                              | 39                 | hours           | \$10.45     | \$408   | \$408  | 39.0 hours   |  |
| Sampling Equipment                        | 39                 | hours           | \$5.00      | \$195   | \$195  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5               | samp            | \$5.00      | \$98  | \$98   | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5               | samp            | \$10.67     | \$208   | \$208  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5               | samp            | \$13.33     | \$260   | \$260  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2               | samp            | \$13.33     | \$216   | \$216  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2               | samp            | \$15.00     | \$243   | \$243  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1               | samp            | \$13.33     | \$1,015   | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5                | samp            | \$31.67     | \$143   | \$143  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5                | samp            | \$17.50     | \$79  | \$79   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5                | samp            | \$22.67     | \$102   | \$102  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9                  | samp            | \$105.00    | \$945   | \$945  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9                  | samp            | \$40.00     | \$360   | \$360  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5                | samp            | \$26.67     | \$120   | \$120  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5               | samp            | \$133.33    | \$2,600   | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0                  | samp            | \$86.67     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9                  | samp            | \$75.00     | \$675   | \$675  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0                  | samp            | \$75.00     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5               | samp            | \$5.00      | \$98  | \$98   |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |                    |                 |             | \$9,403   | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
| PCC-2.4a Discharge Monitoring Report      |                    |                 |             |   |  | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                         | 3                  | hours           | \$130.00    | \$390   | \$390  | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                  | 6                  | hours           | \$45.00     | \$270   | \$270  | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report        |                    |                 |             | \$660   | \$660  | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| (Subt: Assemb PCC-2.3 thru 2.4a)          |                    |                 |             | \$14,822  | \$10,537   | SLF 7 groundwater & stormwater monitoring activities   |  |
| PCC-2.5 Landfill Cover Maint.             |                    |                 |             |   |  |  |  |
| Replacement of Cover                      | 0.112              | acre            | \$20,973.33 | \$2,349   | \$2,349  | 11.2 acre @ 1.0% per year = 0.112 acres/yr   | unit price based upon vegetation, topsoil, from RMU-1      |
| Subt - Landfill Cover Maint.              |                    |                 |             | \$2,349   | \$2,349  | SLF 7 upper cap maintenance and replacement  | Assemblies 14.17 thru 14.18                                |
| PCC-2.6 Mowing/Grooming                   |                    |                 |             |   |  |  |  |
| Mowing                                    | 490.0              | MSF             | \$3.21      | \$1,574   | \$1,574  | 490.0 MSF @ 1.0 per year = 490.0 MSF   | DEC 2004 rate * deflator (2004-2010)                       |
| Fertilizing                               | 98.0               | MSF             | \$3.82      | \$374   | \$374  | 490.0 MSF @ 1.0 per 5.0 years = 98.0 MSF   | DEC 2004 rate * deflator (2004-2010)                       |
| Subt - Mowing/Grooming                    |                    |                 |             | \$1,949   | \$1,949  | SLF 7 mowing and fertilizing   |  |
| (Subt: Assemb PCC-2.5 thru 2.6)           |                    |                 |             | \$4,298   | \$4,298  | SLF 7 cap maintenance activities: post-closure & perpetual care frequency are equal                |  |

Overall Site-Wide Post Closure Cost Estimate

6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs                  | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|---|--------------------|-----------------|-------------|---|--|---|---|
| <b>PCC-2.7 Leachate System Mgmt</b>                     |                    |                 |             |   |  |   |   |
| Leachate Treatment - Post Closure                       | 50832              | gal             | \$0.2195    | \$11,156  | \$0  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours                                    |   |
| Leachate Treatment - Perpetual Care                     | 50832              | gal             | \$0.2195    | \$0   | \$11,156   | 50,832 gals estimated annual leachate volume based average previous 5-years post closure                    | offsite deep well injection, WM Vickery, OH                           |
| Off-site Transport to finish treatment - Post Closure   | 2726               | miles           | \$3.50      | \$9,541   | \$0  | 50,832 gals @ 5500 gal/tankr = 9.2 loads @ 295 miles/trip = 2,726 miles                                     | Actual 2010 costs, site experience                                    |
| Off-site Transport to finish treatment - Perpetual Care | 2726               | miles           | \$3.50      | \$0   | \$9,541  | 50,832 gals @ 5500 gal/tankr = 9.2 loads @ 295 miles/trip = 2,726 miles                                     | Actual 2010 costs, site experience                                    |
| Leach Treat Syst. Capital Repl Cost                     | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                        | DEC estimate of AWTS capital replacement costs @ 25 yrs               |
| Laborer   | 24                 | hours           | \$39.00     | \$936   | \$936  | 2 hrs/mon x 12 mon/year = 24 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Technician  | 24                 | hours           | \$38.00     | \$912   | \$912  | 2 hrs/mon x 12 mon/year = 24 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Electrical Costs - Pumps                                | 39.2               | KWH             | \$0.086     | \$3   | \$3  | 35.0 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 39.2 KWH/yr  | 2004 DEC Rate * Implicit Deflator                                     |
| Replacement of Main Pump                                | 0.2                | pump            | \$2,456.00  | \$491   | \$491  | 1 pump per 5 years = 0.2 pumps  | 250 gpm, 5 hp pump, Site Experience                                   |
| Replacement of Pumps                                    | 1                  | pump            | \$1,382.00  | \$1,382   | \$1,382  | 6 pumps @ 16.7% per year = 1.0 pumps  | 1.5 hp submersible pump, site experience                              |
| Replacement of Pump Dischg Hose                         | 1                  | hose            | \$211.54    | \$212   | \$212  | 1 pumps x 1 per pump = 1 hoses  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Pumps/Hoses                                 | 10                 | CF              | \$12.45     | \$125   | \$125  | 1 pu/hos @ 10 CF/pump = 10 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replacement of Piping - 2"/4"                           | 11                 | LF              | \$53.25     | \$586   | \$586  | 1,100 LF @ 1.0% per year = 11.0 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 2"/4"                              | 3.6                | CF              | \$12.45     | \$45  | \$45   | 11.0 LF @ 0.33 CF/LF = 3.6 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 4"/8" & 6"/10"                         | 0.5                | LF              | \$73.50     | \$37  | \$37   | 50 LF @ 1.0% per year = 0.5 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 4"/8" & 6"/10"                     | 0.3                | CF              | \$12.45     | \$4   | \$4  | 0.5 LF @ 0.50 CF/LF = 0.3 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Subt Leachate Coll Syst Mgmt                            |                    |                 |             | \$43,070  | \$43,070   | annual O&M costs plus capital replacement of treatment system, pumps, and piping                            |   |
|   |                    |                 |             |   |  |   |   |
| <b>PCC-2.7a AWTS Operation</b>                          |                    |                 |             |   |  |   |   |
|   |                    |                 |             |   |  | Shift operation of the AWTS for 12 months   | no DEC estimate for this activity: DEC Estimate included in unit rate |
| Material handler/basic labor                            | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Maintenance/basic labor                                 | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Operator/technician                                     | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Laboratory/technician                                   | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| AWT Foreman/Supervisor                                  | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Subt - AWTS Operation                                   |                    |                 |             | \$92,049  | \$92,049   | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site |   |
|   |                    |                 |             |   |  |   |   |
| <b>PCC-2.7b Site Waters Treatment</b>                   |                    |                 |             |   |  |   |   |
| Leachate Treatment - Post Closure                       | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Leachate Treatment - Perpetual Care                     | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Tank Trailer (5,500 gals) Collect                       | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Road Tractor (4 x 2, 30 ton) Transport                  | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                            |
| Tank Trailer (5,500 gals) Transport                     | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Tank Trailer (5,500 gals) Fill T-100                    | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Subt - Site Waters Treatment                            |                    |                 |             | \$9,199   | \$9,199  | SLF-7 share of annual site waters collection & treatment: post-closure & perpetual care frequency are equal | Labor included in PCC-1.7a  |
|   |                    |                 |             |   |  |   |   |
| <b>PCC-2.7c Batch Tank Qualification</b>                |                    |                 |             |   |  |   |   |
|   |                    |                 |             |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds   | To Meet LDR requirements  |
| VOCs (624)  | 3.4                | samp            | \$105.00    | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     |   |
| Semi-volatile organics (625)                            | 3.4                | samp            | \$208.33    | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| PCBs (608) (MDL 65 PPT (ng/l))                          | 3.4                | samp            | \$133.33    | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Priority Pollutant Metals (200.7)                       | 3.4                | samp            | \$188.00    | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Mercury (245.1)   | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Sulfides  | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Cyanide   | 3.4                | samp            | \$35.00     | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Subt - Batch Tank Qualification                         |                    |                 |             | \$2,465   | \$2,465  | SLF-7 share of annual batch tank qualification  | Samples collected by lab technician                                   |
|   |                    |                 |             |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs                     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|--|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-2.7d Pond Sampling &amp; Analysis (Outfall 001)</b> |                    |                 |            |   |  |   |   |
| Batch Sampling Events                                      |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew  | SPDES PreQual Sampling of Outfall 001 prior to discharge                                  |
| Technician   | 2.6                | hours           | \$38.00    | \$99  | \$99   | 1 events @ 3 samp/evnt= 3 samples<br>3 samp @ 2.0 hrs/samp = 6.0 hours @ 3 units/crew = 18.0 hrs/ 7 units = 2.6 hrs | sampling & analysis prior to pond discharge<br>technician rate: rate 2011 3rd party quote |
| Sampling Equipment   | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samp @ 2.0 hrs/samp = 6.0 hours @ 1 units/crew = 6.0 hrs/ 7 units = 0.9 hrs                                       | boat, samplers, meters, etc.  |
| Sampling Supplies  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | bottles, shipping supplies  |
| pH   | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Specific Conductance                                       | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Temperature  | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment  | Obtained using field equipment  |
| Dissolved Oxygen   | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment  | Obtained using field equipment  |
| Total Dissolved solids (TDS)                               | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| TDVS (total dissolved volatile solids)                     | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Alkalinity as CaCO3  | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| TOC  | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Ca/Mg Hardness (200.7)                                     | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Total Suspended Solids (TSS)                               | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Settleable Solids  | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Ammonia (NH3)  | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Phosphorous  | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| TON (TKN-NH3)  | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Cyanide  | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Sulfates   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Sulfides   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Surfactants (MBAS)   | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| BOD-5  | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Fluoride   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Chlorine   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Residual Chlorine  | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| NO2  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| NO3  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| VOCs (624)   | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Semi-volatile organics (625)                               | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))                  | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Oil & Grease (1631)  | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| total Phenols  | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Priority Pollutant Metals (200.7) *                        | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Mercury (245.1)  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Mercury (1631B)  | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes   |
| Acute Toxicity/Bioassy                                     | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples  | One quote: actual cost for 2010   |
| Subt - Ponds' Sampling & Analysis                          |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge   |   |
| <b>PCC-2.7e Pond S&amp;A Certification &amp; Report</b>    |                    |                 |            |   |  |   |   |
| Divers (Sr. Technicians)                                   | 0.0                | hours           | \$0.00     | \$0   | \$0  | one event per year for divers to check discharge pipe; one predischarge qualification report                        |   |
| SCBA Gear (2 units)  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |   |
| Laborer (Surface Support)                                  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |   |
| Underwater Inspection                                      | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @ 1 event per year/ 7 units = 0.15 events   | Based on 2010 site rate of \$3,500  |
| Engineer (Report)  | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @ 40 hrs/event = 40.0 hours @ 1 units/crew = 40.0 hours/7 units = 5.7                                      | Eng Rate: rate 2011 3rd party quote   |
| Subt - S&A Cert'n & Report                                 |                    |                 |            | \$1,341   | \$1,341  | diver(s) to check discharge pipe; also engineer's predischarge qualification report                                 | Fac Pond 8 out of service empty   |



Overall Site-Wide Post Closure Cost Estimate

6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs               | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-2.7f Empty (Pump) FAC Pond to Outfall 001</b> |                    |                 |            |   |  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M  | Treated wastewater from all 7 units                           |
| <i>FAC Pond 1/2 Inventory in Gallons</i>             | 2750618.0          | <i>gals</i>     | <i>n/a</i> |   |  | 45.8 <i>total hours req'd to pump</i>   | & site waters   |
| Labor to pump/discharge                              |                    | day hrs         | <i>n/a</i> | \$0   | \$0  | Included in PCC-2.7a above  |   |
| Tech/Sampler (day shift only)                        |                    | day hrs         | \$38.00    | \$0   | \$0  | Included in PCC-2.7a above  |   |
| Settleable Solids                                    | 1.6                | samp            | \$13.33    | \$21  | \$21   | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples   | analytical price: average of three quotes                     |
| Dissolved Oxygen                                     | 1.0                | samp            | -          | \$0   | \$0  | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | analytical price: average of three quotes                     |
| Sulfide (total)                                      | 1.0                | samp            | \$25.00    | \$25  | \$25   | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | analytical price: average of three quotes                     |
| Discharge Pump (6"/1,000 gal/min)                    | 6.5                | total hrs       | \$12.34    | \$80  | \$80   | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs  | RSM/HC p. 475 (line item 01 54 33 70 1300)                    |
| Discharge Pipe (6" Diam/3,000 LF)                    | 19628.0            | foot-hrs        | \$0.0110   | \$216   | \$216  | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628   | RSM/HC p. 475 (line item 01 54 33 70 0300)                    |
| Subtotal - Pump FAC Pond 1/2                         |                    |                 |            | \$342   | \$342  | <i>transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)</i>  |   |
| <i>(Subt: Assemb PCC-2.7 thru 2.7f)</i>              |                    |                 |            | \$149,820   | \$149,820  | <i>SLF 7 share of annual O&amp;M and capital costs for leachate collection &amp; treatment: post-closure &amp; perpetual care frequency are equal</i> |   |
| <b>PCC-2.8 N/A (See Note 2)</b>                      |                    |                 |            |   |  | SLF-7 leachate pumped directly to tankers for offsite disposal  |   |
| Subt - N/A   |                    |                 |            | \$0   | \$0  |   |   |
| <b>PCC-2.9 N/A (See Note 2)</b>                      |                    |                 |            |   |  |   |   |
| Subt - N/A   |                    |                 |            | \$0   | \$0  |   |   |
| <b>PCC-2.10 N/A (See Note 2)</b>                     |                    |                 |            |   |  |   |   |
| Subt - N/A   |                    |                 |            | \$0   | \$0  |   |   |
| <i>(Subt: Assemb PCC-2.8 thru 2.10)</i>              |                    |                 |            | \$0   | \$0  |   |   |
| <b>PCC-2.11 Tank Assessments</b>                     |                    |                 |            |   |  | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs  |   |
| <i>Internal &amp; External Inspections</i>           |                    |                 |            |   |  | 16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr   |   |
| Engineer - Inspection                                | 3.7                | Hour            | \$130.00   | \$481   | \$481  | 0.5 tanks/yr x 8 hrs/tnk x 1.0 per crew = 3.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Inspection                              | 7.3                | Hour            | \$38.00    | \$277   | \$277  | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Engineer - Reporting @ 50%                           | 1.8                | Hour            | \$130.00   | \$234   | \$234  | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - Tank Assessments                              |                    |                 |            | \$992   | \$992  | <i>inspection of 16 tanks</i>   |   |
| <b>PCC-2.12 Tank Assessments</b>                     |                    |                 |            |   |  | thirty (32 tanks requiring only external inspections once every five years by 1 PE  |   |
| <i>External Only Inspections</i>                     |                    |                 |            |   |  | 32 tanks @ 5 yr inspect = 6.4 tnks/yr @ 7 areas = 0.9 tnks/yr   |   |
| Engineer - Inspection                                | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 0.9 tanks/yr x 4 hrs/tnk x 1.0 per crew = 3.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Inspection                              | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Engineer - Reporting @ 50%                           | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - Tank Assessments                              |                    |                 |            | \$663   | \$663  | <i>inspection of 32 tanks</i>   |   |
| <i>(Subt: Assemb PCC-2.11 thru 2.12)</i>             |                    |                 |            | \$1,655   | \$1,655  | <i>SLF 7 share of annual tank assessment costs: post-closure &amp; perpetual care frequency are equal</i>   |   |
| <b>PCC-2.13 Replace Mon Well Pump</b>                |                    |                 |            |   |  |   |   |
| Replace Mon Well Pumps                               | 0.28               | pump            | \$900.00   | \$252   | \$252  | 11 pumps @ 2.5% per year = 0.28 pumps/yr  | Site experience third party costs                             |
| Technician   | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year  | third party labor costs                                       |
| Disposal of Pumps                                    | 0.55               | CF              | \$12.45    | \$7   | \$7  | 0.28 pumps @ 1.0 CF/pump = 0.55 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Concrete Pads                        | 0.28               | pad             | \$131.50   | \$37  | \$37   | 11 pads @ 2.5% per year = 0.28 pads/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Well Surface Concrete                    | 0.55               | CF              | \$12.45    | \$7   | \$7  | 0.28 pads @ 2.0 CF/pad = 0.55 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Covers                               | 0.28               | each            | \$371.63   | \$104   | \$104  | 11 covers @ 2.5% per year = 0.28 covers/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Mon Well Covers                          | 0.14               | CF              | \$12.45    | \$2   | \$2  | 0.28 covers @ 0.5 CF/cover = 0.14 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Subt - Replace Mon Well Pumps                        |                    |                 |            | \$484   | \$484  | <i>monitoring well pump maintenance and replacement</i>   |   |
| <i>(Subt: Assemb PCC-2.13 thru 2.13)</i>             |                    |                 |            | \$484   | \$484  | <i>SLF 7 mon well pump maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equal</i>                                       |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-2.14 Drainage Ditch Repair</b>   |                    |                 |            |   |  | ditches estimated to be 10 feet in width  |   |
| <i>SLF 7 Drainage Ditches</i>           |                    |                 |            |   |  | 2800 LF   | <i>drainage ditches specific to SLF 7 unit</i>            |
| <i>Facility-wide Drainage Ditches</i>   |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | <i>drainage ditches in non-specific areas of facility</i> |
| Drainage Ditch Repair                   | 0.013              | acre            | \$5,698.00 | \$74  | \$74   | 5,625 LF x 10 ft/LF = 1.291 acres @ 1.0% per year = 0.013 acres                                   | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20) |
| Rip-Rap Downchute Channel Repair        | 35                 | SY              | \$44.30    | \$1,551   | \$1,551  | 420 LF x 15 FT/LF @ 9.0 SF/SY @ 5.0% per year = 35.0 SY   | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)   |
| Subt - Drainage Ditch Repair            |                    |                 |            | \$1,625   | \$1,625  | stormwater drainage ditch repair  |   |
|   |                    |                 |            |   |  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-2.15 Drainage Ditch Cleaning</b> |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep.                     |   |
| <i>SLF 7 Drainage Ditches</i>           |                    |                 |            |   |  | 2800 LF   | <i>drainage ditches specific to SLF 7 unit</i>            |
| <i>Facility-wide Drainage Ditches</i>   |                    |                 |            |   |  | @ 8 units = 2825 LF   | <i>drainage ditches in non-specific areas of facility</i> |
| Drainage Ditch Sediment Cleaning        | 6.9                | CY              | \$2.38     | \$16  | \$16   | 5,625.0 LF x 10.0 ft/LF x 0.333 feet (4") = 693.8 CY @ 1%/yr = 6.9 CY                             | unit price based upon FAC Ponds 1/2 excavation (6.11)     |
| Transportation of Ditch Sediment        | 5                  | miles           | \$3.25     | \$16  | \$16   | 9.4 tons @ 20 tons/load = 0.48 loads @ 5 miles per load = 5 miles                                 | unit price based upon FAC Ponds 1/2 transportation (6.13) |
| Disposal of Ditch Sediment              | 9.4                | ton             | \$35.00    | \$329   | \$329  | 6.9 CY @ 1.35 ton/CY = 9.4 tons   | unit price based upon FAC Ponds 1/2 disposal (6.14)       |
| Subt - Drainage Ditch Cleaning          |                    |                 |            | \$362   | \$362  | stormwater drainage ditch cleaning  |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-2.16 Basin Cleaning</b>          |                    |                 |            |   |  | sediment estimated to be 4 inches deep.   |   |
| <i>Basin No. 1</i>                      |                    |                 |            |   |  | 140625 SF div by 8 units = 17578 SF   |   |
| <i>Basin No. 2</i>                      |                    |                 |            |   |  | 150000 SF div by 8 units = 18750 SF   |   |
| Basin Sediment Cleaning                 | 89.6               | CY              | \$2.38     | \$213   | \$213  | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY                                   | unit price based upon FAC Ponds 1/2 excavation (6.11)     |
| Transportation of Basin Sediment        | 30.0               | miles           | \$3.25     | \$98  | \$98   | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles                                   | unit price based upon FAC Ponds 1/2 excavation (6.13)     |
| Disposal of Basin Sediment              | 121.0              | ton             | \$35.00    | \$4,235   | \$4,235  | 89.6 CY @ 1.35 ton/CY = 121.0 tons  | unit price based upon FAC Ponds 1/2 excavation (6.14)     |
| Subt--Basin Cleaning                    |                    |                 |            | \$4,546   | \$4,546  | facility stormwater basin cleaning  |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-2.17 Culvert Maint/Replace</b>   |                    |                 |            |   |  | avg culvert = 25' (SLF 7) & 40' (sitewide); various diameters                                     |   |
| <i>SLF 7 Culverts</i>                   |                    |                 |            |   |  | 12 culverts x 25 feet long = 300 LF   | <i>culverts specific to SLF 7 unit</i>                    |
| <i>Facility-wide Culverts</i>           |                    |                 |            |   |  | 20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF                                       | <i>culverts in non-specific areas of facility</i>         |
| Culvert Cleaning - 8" diameter avg      | 400                | LF              | \$2.14     | \$855   | \$855  | 400.0 LF  | DEC 2004 rate * deflator (2004-2010)                      |
| Repl Culvert - 8" diam avg (SLF 7)      | 25                 | LF              | \$11.61    | \$290   | \$290  | 25.0 LF   | DEC 2004 rate * deflator (2004-2010)                      |
| Repl Culv't - 18" diam avg (sitewide)   | 40                 | LF              | \$22.35    | \$894   | \$894  | 40.0 LF   | DEC 2004 rate * deflator (2004-2010)                      |
| Replace Culvert - Ditch Excavation      | 48.8               | CY              | \$2.96     | \$145   | \$145  | 65.0 LF x 0.75 CY/LF = 48.8 CY  | DEC 2004 rate * deflator (2004-2010)                      |
| Replace Culvert - Bkfill/Compaction     | 48.8               | CY              | \$3.86     | \$189   | \$189  | 48.8 CY   | DEC 2004 rate * deflator (2004-2010)                      |
| Subt - Culvert Maint/Replacement        |                    |                 |            | \$2,373   | \$2,373  | culvert maintenance and replacement   |   |
| (Subt: Assemb PCC-2.14 thru 2.17)       |                    |                 |            | \$8,905   | \$8,905  | SLF 7 storm drainage maintenance & replacement: post-closure & perpetual care frequency are equal |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-2.18 Road Maint/Replace</b>      |                    |                 |            |   |  | gravel roads = 15 feet wide; asphalt roads = 20 feet wide   |   |
| <i>SLF 7 Gravel Roads</i>               |                    |                 |            |   |  | 1540 LF x 15 feet wide = 2566.7 SY @ 5% per year = 256.7 SY                                       | <i>gravel roads specific to SLF 7 unit</i>                |
| <i>Facility-wide Asphalt Roads</i>      |                    |                 |            |   |  | 21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF                                     | <i>asphalt roads in non-specific areas of facility</i>    |
| SLF 7 Gravel Road Repair                | 256.7              | SY              | \$3.12     | \$801   | \$801  | 600.0 SY  | DEC 2004 rate * deflator (2004-2010)                      |
| Facility-wide Asphalt Roads             | 528                | SF              | \$1.35     | \$712   | \$712  | 4,224.0 SF div by 8 units = 528.0 SF  | DEC 2004 rate * deflator (2004-2010)                      |
| Subt - Road Maint/Replacement           |                    |                 |            | \$1,514   | \$1,514  | road maintenance and replacement  |   |
| (Subt: Assemb PCC-2.18 thru 2.18)       |                    |                 |            | \$1,514   | \$1,514  | SLF 7 road maintenance & replacement  |   |

Total Non-Super hours 174.5

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-2: SLF 7

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                       |
|--|--------------------|-----------------|------------|---|--|---|---|
| PCC-2.19 PPE Use/H&S Planning          |                    |                 |            |   |  | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 16.4               | days            | \$0.00     | \$0   | \$0  | 174.5 hours @ 8 hr/day = 21.8 days @ 75% "D" days = 16.4 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                | 3.3                | days            | \$9.00     | \$30  | \$30   | 174.5 hours @ 8 hr/day = 21.8 days @ 15% "C" days = 3.3 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                    | 2.1                | days            | \$25.00    | \$53  | \$53   | 174.5 hours @ 8 hr/day = 21.8 days @ 10% "C" days = 2.1 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer                | 4.4                | hours           | \$75.00    | \$330   | \$330  | 174.5 hours @ 2.5% hr/hr = 4.4 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$412   | \$412  |   |   |
| PCC-2.20 Supervision                   |                    |                 |            |   |  |   |   |
| Foreman                                | 0                  | hours           | \$65.00    | \$0   | \$0  | Included in PCC-2.7a AWTS Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                   | 0                  | hours           | \$75.00    | \$0   | \$0  | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                 |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-2.19 thru 2.20)      |                    |                 |            | \$412   | \$412  | supervision, health & safety, and certification   |   |
| PCC-2: SLF 7 Direct Cost               |                    |                 |            | \$184,342   | \$179,711  |   |   |

Note 2: A leachate transportation cost has been added for SLF 7 to account for present practice of completing treatment and disposal at an HW facility in Vickery, Ohio. Cost of treatment is assumed to be the same as on-site treatment costs.

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

|   |  |   |  |   |
|---|--|---|--|---|
| <b>PCC-2: SLF 7</b>                     |  |   |  |   |
| <b>Total Cost Summary</b>               |  |   |  |   |
| <b>Cost Category</b>                    | <b>Proposed Percent of Direct Cost</b> | <b>Proposed Annual Cost Post - Closure Period</b> | <b>Proposed Cost - Annual Perpetual Care</b> | <b>Cost Range</b>   |
| <b>Direct Costs</b>                     |  | \$184,342   | \$179,711                                    |   |
|   |  |   |  |   |
| Plus Indirect Costs/Profit:             |  |   |  |   |
| Site Activity Management Costs          | 3.00%                                  | \$5,530   | \$5,391.33                                   | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office        | 4.00%                                  | \$7,374   | \$7,188                                      | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs           | 1.00%                                  | \$1,843   | \$1,797.11                                   | For post-closure, design costs minimal and included in Assb 2.20. (note: DEC uses 1%)   |
| Engineering During Construction         | 1.00%                                  | \$1,843   | \$1,797.11                                   | For post-closure, design costs minimal and included in Assb 2.20. (note: DEC uses 1%)   |
| General Contractor Profit               | 6.00%                                  | \$11,060  | \$10,783                                     | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| <b>Indirect Costs &amp; Profit</b>      | 15.00%                                 | \$27,651  | \$26,957                                     |   |
|   |  |   |  |   |
| <b>Subtotal - Direct/Indirect Costs</b> |  | \$211,993   | \$206,668                                    |   |
|   |  |   |  |   |
| <b>Plus Contingency</b>                 | 15.00%                                 | \$31,799  | \$31,000                                     | DEC uses 15% applied to total cost  |
|   |  |   |  |   |
| <b>Total - PCC-2: SLF 7</b>             |  | \$243,792   | \$237,668                                    |   |
|   |  |   |  |   |

SLF 7 Years of Post Closure

Years Since Closure

27

Post Closure Years Remaining

3

|                                    |  |                    |
|------------------------------------|--|--------------------|
| Post Closure Costs Remaining Years |  | <b>\$731,375</b>   |
| Post Closure Costs 30-Years        |  | <b>\$7,313,752</b> |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-3: SLF 10

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                             |             |            |             |         |   |
|-----------------------------|-------------|------------|-------------|---------|---|
| SLF 10 Parameters - Area    | 6.9 acres = | 33333 SY = | 300000 SF = | 300 MSF | 31680 LF (6 Mi.) = total est'd perimeter fencing for eight (8) SLFs |
| SLF 10 Parameters - Fencing |             |            |             |         | 3960 LF = portion of perimeter fencing for SLF 10                   |

SLF 10 Years of Post Closure Closure 1987 Years Since Closure 24

6

|  |     |       |         |              |              |  |   |
|--|-----|-------|---------|--------------|--------------|--|---|
| <b>PCC-3.1 Annual Visual Inspections</b> |     |       |         |              |              | make visual inspections and log results; two persons required                  |   |
| <i>Post-Closure</i>                      |     |       |         |              |              | Post-Closure Frequencies according to Page 11 of Site-Wide Post-Closure Plan   |   |
| Technician - Landfill                    | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.5 | hours | \$38.00 | \$57         | \$0          | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 7.2 | hours | \$38.00 | \$274        | \$0          | 2 hrs/insp x 1.8 insp/year x 2 per crew = 7.2 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Post-Cls   |     |       |         | <b>\$847</b> | <b>\$0</b>   | SLF 10 post-closure inspections  |   |
| <i>Perpetual Care</i>                    |     |       |         |              |              | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plan |   |
| Technician - Landfill                    | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.0 | hours | \$38.00 | \$0          | \$38         | 4 hrs/insp x 1.0 insp/year x 2 per crew/ 8 facility units = 1.0 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 4.2 | hours | \$38.00 | \$0          | \$160        | 2 hrs/insp x 1.04 insp/year x 2 per crew = 4.2 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care  |     |       |         | <b>\$0</b>   | <b>\$502</b> | SLF 10 perpetual care inspections  |   |
| (Subt: Assemb PCC-3.1 thru 3.1)          |     |       |         | <b>\$847</b> | <b>\$502</b> | SLF 10 visual inspections  |   |

|                                       |      |    |         |                |                |   |                           |
|---------------------------------------|------|----|---------|----------------|----------------|---|---------------------------|
| <b>PCC-3.2 Perimeter Fence Maint.</b> |      |    |         |                |                | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected               |                           |
| Replacement of Fencing                | 79.2 | LF | \$20.00 | \$1,584        | \$1,584        | 31680 LF div by 8 units x 2% per year = 79.2 LF   | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.         |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | SLF 10 share of perimeter fence inspection & replacement  |                           |
| (Subt: Assemb PCC-3.2 thru 3.2)       |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | SLF 10 share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equal |                           |

|   |      |       |          |                |              |   |   |
|---|------|-------|----------|----------------|--------------|---|---|
| <b>PCC-3.3 Groundwater Monitoring</b>     |      |       |          |                |              | sampling crew composed of two technicians; 8 monitoring wells (7 for unit + 1 upgradient) |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |                |              | 0.0 quart'ly + 16.0 semi-ann + 0.0 b-ann'l x 1.05 each = 16.8 samp                        | includes 5% QA sampling                                   |
| <i>Post-Closure</i>                       |      |       |          |                |              |   |   |
| Technician                                | 33.6 | hours | \$38.00  | \$1,277        | \$0          | 16.8 samps @ 1.0 hrs/samp x 2 per crew = 33.6 hours                                       | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 16.8 | samp  | \$25.00  | \$420          | \$0          | 16.8 samples  | bottles, shipping supplies                                |
| VOCs                                      | 16.8 | samp  | \$105.00 | \$1,764        | \$0          | 16.8 samples  | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | <b>\$3,461</b> | <b>\$0</b>   | post closure groundwater monitoring   |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |                |              | 8.0 wells @ sample/5 years 1.05 each = 1.7 samp/yr  |   |
| <i>Perpetual Care</i>                     |      |       |          |                |              | Perpetual care groundwater monitoring once every five years                               |   |
| Technician                                | 3.4  | hours | \$38.00  | \$0            | \$129        | 1.7 samps @ 1.0 hrs/samp x 2 per crew = 3.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 1.7  | samp  | \$25.00  | \$0            | \$43         | 1.7 samples   | bottles, shipping supplies                                |
| VOCs                                      | 1.7  | samp  | \$105.00 | \$0            | \$179        | 1.7 samples   | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | <b>\$0</b>     | <b>\$350</b> | perpetual care groundwater monitoring   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-3: SLF 10

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|   |      |       |          |          |          |  |  |
|---|------|-------|----------|----------|----------|--|--|
| PCC-3.4 Outfalls 002,003,004 SPDES Mon    |      |       |          |          |          | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Weekly Sampling Events                    |      |       |          |          |          | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                | 39   | hours | \$38.00  | \$1,482  | \$1,482  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         |  |
| Pickup Truck                              | 39   | hours | \$10.45  | \$408    | \$408    |  |  |
| Sampling Equipment                        | 39   | hours | \$5.00   | \$195    | \$195    | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5 | samp  | \$5.00   | \$98     | \$98     | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5 | samp  | \$10.67  | \$208    | \$208    | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5 | samp  | \$13.33  | \$260    | \$260    | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2 | samp  | \$13.33  | \$216    | \$216    | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2 | samp  | \$15.00  | \$243    | \$243    | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1 | samp  | \$13.33  | \$1,015  | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5  | samp  | \$31.67  | \$143    | \$143    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5  | samp  | \$17.50  | \$79     | \$79     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5  | samp  | \$22.67  | \$102    | \$102    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9    | samp  | \$105.00 | \$945    | \$945    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9    | samp  | \$40.00  | \$360    | \$360    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5  | samp  | \$17.67  | \$80     | \$80     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5  | samp  | \$17.67  | \$80     | \$80     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5  | samp  | \$26.67  | \$120    | \$120    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5 | samp  | \$133.33 | \$2,600  | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0    | samp  | \$86.67  | \$0      | \$0      | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9    | samp  | \$75.00  | \$675    | \$675    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0    | samp  | \$75.00  | \$0      | \$0      | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5 | samp  | \$5.00   | \$98     | \$98     |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |      |       |          | \$9,403  | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
|   |      |       |          |          |          |  |  |
| PCC-3.4a Discharge Monitoring Report      |      |       |          |          |          | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                         | 3    | hours | \$130.00 | \$390    | \$390    | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                  | 6    | hours | \$45.00  | \$270    | \$270    | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report        |      |       |          | \$660    | \$660    | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| (Subt: Assemb PCC-3.3 thru 3.4a)          |      |       |          | \$13,524 | \$10,414 | SLF 10 groundwater & stormwater monitoring activities  |  |

|                                 |       |      |             |         |         |  |  |
|---------------------------------|-------|------|-------------|---------|---------|--|--|
| PCC-3.5 Landfill Cover Maint.   |       |      |             |         |         |  |  |
| Replacement of Cover            | 0.069 | acre | \$20,973.33 | \$1,447 | \$1,447 | 6.9 acre @ 1.0% per year = 0.069 acres/yr  | unit price based upon vegetation, topsoil, from RMU-1, |
| Subt - Landfill Cover Maint.    |       |      |             | \$1,447 | \$1,447 | SLF 10 upper cap maintenance and replacement   | Assemblies 14.17 thru 14.18                            |
|                                 |       |      |             |         |         |  |  |
| PCC-3.6 Mowing/Grooming         |       |      |             |         |         |  |  |
| Mowing                          | 300.0 | MSF  | \$3.21      | \$964   | \$964   | 300.0 MSF @ 1.0 per year = 300.0 MSF   | DEC 2004 rate * deflator (2004-2010)                   |
| Fertilizing                     | 60.0  | MSF  | \$3.82      | \$229   | \$229   | 300.0 MSF @ 1.0 per 5.0 years = 60.0 MSF   | DEC 2004 rate * deflator (2004-2010)                   |
| Subt - Mowing/Grooming          |       |      |             | \$1,193 | \$1,193 | SLF 10 mowing and fertilizing  |  |
| (Subt: Assemb PCC-3.5 thru 3.6) |       |      |             | \$2,640 | \$2,640 | SLF 10 cap maintenance activities: post-closure & perpetual care frequency are equal |  |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

| PCC-3: SLF 10                          |                    |                 |             |   |  |  |  |  |  |   |
|--|--------------------|-----------------|-------------|---|--|--|--|--|--|---|
| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   |  |  |  | In-house Pricing References   |
|  |                    |                 |             |   |  |  |  |  |  |   |
| PCC-3.7 Leachate System Mgmt           |                    |                 |             |   |  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours                                     |  |  |  |   |
| Leachate Treatment - Post Closure      | 59774.2            | gal             | \$0.2195    | \$13,118  | \$0  | 59,774.2 gals estimated annual leachate volume based average previous 5-years post closure                   |  |  |  |   |
| Leachate Treatment - Perpetual Care    | 59774.2            | gal             | \$0.2195    | \$0   | \$13,118   | 59,774.2 gals estimated annual leachate volume based average previous 5-years post closure                   |  |  |  |   |
| Leach Treat Syst. Capital Repl Cost    | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                         |  |  |  | DEC estimate of AWTS capital replacement costs @ 25 yrs               |
| Laborer                                | 24                 | hours           | \$39.00     | \$936   | \$936  | 2 hrs/mon x 12 mon/year = 24 hours   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Technician                             | 24                 | hours           | \$38.00     | \$912   | \$912  | 2 hrs/mon x 12 mon/year = 24 hours   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Electrical Costs - Pumps               | 64.9               | KWH             | \$0.086     | \$6   | \$6  | 58.0 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 64.9 KWH/yr   |  |  |  | 2004 DEC Rate * Implicit Deflator                                     |
| Replacement of Main Pump T-110         | 1                  | pump            | \$2,456.00  | \$2,456   | \$2,456  | 1 pump per 5 years = 0.2 pumps   |  |  |  | 250 gpm, 5 hp pump, Site Experience                                   |
| Replacement of Pumps                   | 1                  | pump            | \$1,382.00  | \$1,382   | \$1,382  | 5 pumps x 20.0% pu/yr = 1.0 pumps  |  |  |  | 1.5 hp submersible pump, site experience                              |
| Replacement of Pump Dischg Hose        | 1                  | hose            | \$211.54    | \$212   | \$212  | 5 pumps x 20.0% per pump = 1.0 hoses   |  |  |  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Pumps/Hoses                | 10                 | CF              | \$12.45     | \$125   | \$125  | 1 pu/hos @ 10 CF/pump = 10 CF  |  |  |  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replacement of Piping - 2"/4"          | 11                 | LF              | \$53.25     | \$586   | \$586  | 1,100 LF @ 1.0% per year = 11.0 LF/yr  |  |  |  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 2"/4"             | 3.6                | CF              | \$12.45     | \$45  | \$45   | 11.0 LF @ 0.33 CF/LF = 3.6 CF  |  |  |  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 4"/8" & 6"/10"        | 1.1                | LF              | \$73.50     | \$81  | \$81   | 110 LF @ 1.0% per year = 1.1 LF/yr   |  |  |  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 4"/8" & 6"/10"    | 0.6                | CF              | \$12.45     | \$7   | \$7  | 1.1 LF @ 0.50 CF/LF = 0.6 CF   |  |  |  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Subt Leachate Coll Syst Mgmt           |                    |                 |             | \$37,507  | \$37,507   | annual O&M costs plus capital replacement of treatment system, pumps, and piping                             |  |  |  |   |
|  |                    |                 |             |   |  |  |  |  |  |   |
| PCC-3.7a AWTS Operation                |                    |                 |             |   |  | Shift operation of the AWTS for 12 months  |  |  |  | no DEC estimate for this activity: DEC Estimate included in unit rate |
| Material handler/basic labor           | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Maintenance/basic labor                | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours                                   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Operator/technician                    | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours                                   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Laboratory/technician                  | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| AWT Foreman/Supervisor                 | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                   |  |  |  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Subt - AWTS Operation                  |                    |                 |             | \$92,049  | \$92,049   | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site  |  |  |  |   |
|  |                    |                 |             |   |  |  |  |  |  |   |
| PCC-3.7b Site Waters Treatment         |                    |                 |             |   |  |  |  |  |  |   |
| Leachate Treatment - Post Closure      | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons  |  |  |  | unit price derived from AWTS model                                    |
| Leachate Treatment - Perpetual Care    | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons  |  |  |  | unit price derived from AWTS model                                    |
| Tank Trailer (5,500 gals) Collect      | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs               |  |  |  | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Road Tractor (4 x 2, 30 ton) Transport | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                    |  |  |  | RSM/HC p. 472 (line item 01 54 33 40 7410)                            |
| Tank Trailer (5,500 gals) Transport    | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs               |  |  |  | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Tank Trailer (5,500 gals) Fill T-100   | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs               |  |  |  | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Subt - Site Waters Treatment           |                    |                 |             | \$9,199   | \$9,199  | SLF-10 share of annual site waters collection & treatment: post-closure & perpetual care frequency are equal |  |  |  | Labor included in PCC-1.7a  |
|  |                    |                 |             |   |  |  |  |  |  |   |
| PCC-3.7c Batch Tank Qualification      |                    |                 |             |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds  |  |  |  | To Meet LDR requirements  |
| VOCs (624)                             | 3.4                | samp            | \$105.00    | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  |   |
| Semi-volatile organics (625)           | 3.4                | samp            | \$208.33    | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  | monthly: Average of three quotes                                      |
| PCBs (608) (MDL 65 PPT (ng/l))         | 3.4                | samp            | \$133.33    | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  | monthly: Average of three quotes                                      |
| Priority Pollutant Metals (200.7)      | 3.4                | samp            | \$188.00    | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  | monthly: Average of three quotes                                      |
| Mercury (245.1)                        | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  | monthly: Average of three quotes                                      |
| Sulfides                               | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  | monthly: Average of three quotes                                      |
| Cyanide                                | 3.4                | samp            | \$35.00     | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |  |  |  | monthly: Average of three quotes                                      |
| Subt - Batch Tank Qualification        |                    |                 |             | \$2,465   | \$2,465  | SLF-10 share of annual batch tank qualification  |  |  |  | Samples collected by lab technician                                   |
|  |                    |                 |             |   |  |  |  |  |  |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

| PCC-3: SLF 10                                   |                    |                 |            |   |  |  |                |   |                |                            |  |
|---|--------------------|-----------------|------------|---|--|--|----------------|---|----------------|----------------------------|--|
| Basic Closure Activities: Direct Costs          | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                                     |                |   |                |                            | In-house Pricing References                              |
|   |                    |                 |            |   |  |  |                |   |                |                            |  |
| PCC-3.7d Pond Sampling & Analysis (Outfall 001) |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew                     |                |   |                |                            | SPDES PreQual Sampling of Outfall 001 prior to discharge |
| Batch Sampling Events                           |                    |                 |            |   |  | 1 events @ 3 samp/evnt= 3 samples  |                |   |                |                            | sampling & analysis prior to pond discharge              |
| Technician                                      | 2.6                | hours           | \$38.00    | \$99  | \$99   | 3 samps @  | 2.0 hrs/samp = | 6.0 hours @                             | 3 units/crew = | 18.0 hrs/7 units = 2.6 hrs | technician rate: rate 2011 3rd party quote               |
| Sampling Equipment                              | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samps @  | 2.0 hrs/samp = | 6.0 hours @                             | 1 units/crew = | 6.0 hrs/ 7 units = 0.9 hrs | boat, samplers, meters, etc.                             |
| Sampling Supplies                               | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | bottles, shipping supplies                               |
| pH  | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Specific Conductance                            | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Temperature                                     | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment   |                |   |                |                            | Obtained using field equipment                           |
| Dissolved Oxygen                                | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment   |                |   |                |                            | Obtained using field equipment                           |
| Total Dissolved solids (TDS)                    | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| TDVS (total dissolved volatile solids)          | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Alkalinity as CaCO3                             | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| TOC   | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Ca/Mg Hardness (200.7)                          | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Total Suspended Solids (TSS)                    | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Settleable Solids                               | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Ammonia (NH3)                                   | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Phosphorous                                     | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| TON (TKN-NH3)                                   | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Cyanide   | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Sulfates  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Sulfides  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Surfactants (MBAS)                              | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| BOD-5   | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Fluoride  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Chlorine  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Residual Chlorine                               | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| NO2   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| NO3   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| VOCs (624)                                      | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Semi-volatile organics (625)                    | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))       | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Oil & Grease (1631)                             | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| total Phenols                                   | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Priority Pollutant Metals (200.7) *             | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Mercury (245.1)                                 | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Mercury (1631B)                                 | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples   |                |   |                |                            | analytical price: average of three quotes                |
| Acute Toxicity/Bioassy                          | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples   |                |   |                |                            | One quote: actual cost for 2010                          |
| Subt - Pond Sampling & Analysis                 |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge                  |                |   |                |                            |  |
| PCC-3.7e Pond S&A Certification & Report        |                    |                 |            |   |  | one event per year for divers to check discharge pipe; one predischarge qualification report |                |   |                |                            |  |
| Divers (Sr. Technicians)                        | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |                |   |                |                            |  |
| SCBA Gear (2 units)                             | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |                |   |                |                            |  |
| Laborer (Surface Support)                       | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below  |                |   |                |                            |  |
| Underwater Inspection                           | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @  |                | 1 event per year/ 7 units = 0.15 events |                |                            | Based on 2010 site rate of \$3,500                       |
| Engineer (Report)                               | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @   | 40 hrs/event = | 40.0 hours @                            | 1 units/crew = | 40.0 hours/7 units = 5.7   | Eng Rate: rate 2011 3rd party quote                      |
| Subt - S&A Cert'n & Report                      |                    |                 |            | \$1,341   | \$1,341  | diver(s) to check discharge pipe; also engineer's predischarge qualification report          |                |   |                |                            | Fac Pond 8 out of service empty                          |
|   |                    |                 |            |   |  |  |                |   |                |                            |  |



Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

| PCC-3: SLF 10                                      |                    |                 |            |   |  |   |   |
|--|--------------------|-----------------|------------|---|--|---|---|
| Basic Closure Activities: Direct Costs             | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|  |                    |                 |            |   |  |   |   |
| PCC-3.7f Empty (Pump) FAC Pond to Outfall 001      |                    |                 |            |   |  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M                                  | Treated wastewater from all 7 units                       |
| FAC Pond 1/2 Inventory in Gallons                  | 2750618.0          | gals            | n/a        |   |  | 45.8 total hours req'd to pump  | & site waters   |
| Labor to pump/discharge                            |                    | day hrs         | n/a        | \$0   | \$0  | Included in PCC-3.7a above  |   |
| Tech/Sampler (day shift only)                      |                    | day hrs         | \$38.00    | \$0   | \$0  | Included in PCC-3.7a above  |   |
| Settleable Solids                                  | 1.6                | samp            | \$13.33    | \$21  | \$21   | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples   | analytical price: average of three quotes                 |
| Dissolved Oxygen                                   | 1.0                | samp            | -          | \$0   | \$0  | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples Field Measurement  | analytical price: average of three quotes                 |
| Sulfide (total)                                    | 1.0                | samp            | \$25.00    | \$25  | \$25   | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | analytical price: average of three quotes                 |
| Discharge Pump (6"/1,000 gal/min)                  | 6.5                | total hrs       | \$12.34    | \$80  | \$80   | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs  | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam/3,000 LF)                  | 19628.0            | foot-hrs        | \$0.0110   | \$216   | \$216  | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628   | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subtotal - Pump FAC Pond 1/2                       |                    |                 |            | \$342   | \$342  | transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)   |   |
| (Subt: Assemb PCC-3.7 thru 3.7f)                   |                    |                 |            | \$144,256   | \$144,256  | SLF 10 share of annual O&M and capital costs for leachate collection & treatment: post-closure & perpetual care frequency are equal |   |
|  |                    |                 |            |   |  |   |   |
| PCC-3.8 Empty Tank T-109                           |                    |                 |            |   |  |   |   |
| Laborer  | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTs   |   |
| Pumping Equipment                                  | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system  |   |
| Tank Trailer (5,500 gals) Post Closure Period      | 36.2               | Hour            | \$6.31     | \$228   | \$0  | 59,774.2 gals @ 1650 gals/hr = 36.2 per crew = 1.0 unit/crew = 36.2 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 36.2               | Hour            | \$6.31     | \$0   | \$228  | 59,774.2 gals @ 1650 gals/hr = 36.2 per crew = 1.0 unit/crew = 36.2 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank T-109                            |                    |                 |            | \$228   | \$228  | pumping leachate from Tank T-109 for transport to Tank T-158  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-3.9 Transp't Leachate Onsite                   |                    |                 |            |   |  | production rate = 0.5 hours for on-site transport   |   |
| Road Tractor (4 x 2, 30 ton) Post Closure Period   | 5.4                | Hour            | \$32.45    | \$175   | \$175  | 59,774.2 gals @ 5500 gals/load = 10.8 loads @ 0.5 hrs/trip = 5.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Road Tractor (4 x 2, 30 ton) Perpetual Care Period | 5.4                | Hour            | \$32.45    | \$175   | \$175  | 59,774.2 gals @ 5500 gals/load = 10.8 loads @ 0.5 hrs/trip = 5.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver   | 0                  | Hour            | \$45.00    | \$0   | \$0  | Labor included in third party operation of AWTs   |   |
| Tank Trailer (5,500 gals) Post Closure Period      | 5.4                | Hour            | \$6.31     | \$34  | \$0  | 59,774.2 gals @ 5500 gals/load = 10.8 loads @ 0.5 hrs/trip = 5.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 5.4                |                 | \$6.31     | \$0   | \$34   | 59,774.2 gals @ 5500 gals/load = 10.8 loads @ 0.5 hrs/trip = 5.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Transp Leachate Onsite                      |                    |                 |            | \$385   | \$385  | onsite transport of leachate from Tank T-109 to Tank T-158  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-3.10 Fill Tank T-158                           |                    |                 |            |   |  | production rate = 1,650 gals per hour; RSM/UP p. 9-171 (33-19-0101)   |   |
| Laborer  | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTs   |   |
| Pumping Equipment                                  | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system  |   |
| Tank Trailer (5,500 gals) Post Closure Period      | 36.2               | Hour            | \$6.31     | \$228   | \$0  | 59,774.2 gals @ 1650 gals/hr = 36.2 per crew = 1.0 unit/crew = 36.2 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 36.2               | Hour            | \$6.31     | \$0   | \$228  | 59,774.2 gals @ 1650 gals/hr = 36.2 per crew = 1.0 unit/crew = 36.2 hours   | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Fill Tank T-158                             |                    |                 |            | \$228   | \$228  | pumping leachate taken from Tank T-109 into Tank T-158  |   |
| (Subt: Assemb PCC-3.8 thru 3.10)                   |                    |                 |            | \$841   | \$841  | SLF 10 share of annual leachate transport costs   |   |
|  |                    |                 |            |   |  |   |   |
| PCC-3.11 Tank Assessments                          |                    |                 |            |   |  | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs                                |   |
| Internal & External Inspections                    |                    |                 |            |   |  | 16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr   |   |
| Engineer - Inspection                              | 3.7                | Hour            | \$130.00   | \$481   | \$481  | 0.5 tanks/yr x 8 hrs/tnk x 1.0 per crew = 3.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                            | 7.3                | Hour            | \$38.00    | \$277   | \$277  | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%                         | 1.8                | Hour            | \$130.00   | \$234   | \$234  | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                            |                    |                 |            | \$992   | \$992  | inspection of 16 tanks  |   |
|  |                    |                 |            |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

| PCC-3: SLF 10                          |                    |                 |            |   |  |   |
|--|--------------------|-----------------|------------|---|--|---|
| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | In-house Pricing References   |
|  |                    |                 |            |   |  |   |
| PCC-3.12 Tank Assessments              |                    |                 |            |   |  | thirty (32) tanks requiring only external inspections once every five years by 1 PE               |
| External Only Inspections              |                    |                 |            |   |  | 30 tanks @ 5 yr inspect = 6.0 tnks/yr @ 7 areas = 0.9 tnks/yr                                     |
| Engineer - Inspection                  | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 0.9 tanks/yr x 4 hrs/tnk x 1.0 per crew = 3.4 hours   |
| Technician - Inspection                | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours   |
| Engineer - Reporting @ 50%             | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours   |
| Subt - Tank Assessments                |                    |                 |            | \$663   | \$663  | inspection of 32 tanks  |
| (Subt: Assemb PCC-3.11 thru 3.12)      |                    |                 |            | \$1,655   | \$1,655  | SLF 10 share of annual tank assessment costs: post-closure & perpetual care frequency are equal   |
|  |                    |                 |            |   |  |   |
| PCC-3.13 Replace Mon Well Pump         |                    |                 |            |   |  |   |
| Replace Mon Well Pumps                 | 0.2                | pump            | \$900.00   | \$180   | \$180  | 8 pumps @ 2.5% per year = 0.20 pumps/yr   |
| Technician                             | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year  |
| Disposal of Pumps                      | 0.2                | CF              | \$12.45    | \$2   | \$2  | 0.20 pumps @ 1.0 CF/pump = 0.20 CF  |
| Repair Mon Well Concrete Pads          | 0.2                | pad             | \$131.50   | \$26  | \$26   | 8 pads @ 2.5% per year = 0.20 pads/yr   |
| Disposal of Well Surface Concrete      | 0.4                | CF              | \$12.45    | \$5   | \$5  | 0.20 pads @ 2.0 CF/pad = 0.40 CF  |
| Repair Mon Well Covers                 | 0.2                | each            | \$371.63   | \$74  | \$74   | 8 covers @ 2.5% per year = 0.20 covers/yr   |
| Disposal of Mon Well Covers            | 0.1                | CF              | \$12.45    | \$1   | \$1  | 0.20 covers @ 0.5 CF/cover = 0.10 CF  |
| Subt - Replace Mon Well Pumps          |                    |                 |            | \$365   | \$365  | monitoring well pump maintenance and replacement  |
| (Subt: Assemb PCC-3.13 thru 3.13)      |                    |                 |            | \$365   | \$365  | SLF 10 mon well pump maintenance & replacement: post-closure & perpetual care frequency are equal |
|  |                    |                 |            |   |  |   |
| PCC-3.14 Drainage Ditch Repair         |                    |                 |            |   |  | ditches estimated to be 10 feet in width  |
| SLF 10 Drainage Ditches                |                    |                 |            |   |  | 2200 LF   |
| Facility-wide Drainage Ditches         |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   |
| Drainage Ditch Repair                  | 0.012              | acre            | \$5,698.00 | \$68  | \$68   | 5,025 LF x 10 ft/LF = 1.154 acres @ 1.0% per year = 0.012 acres                                   |
| Rip-Rap Downchute Channel Repair       | 20                 | SY              | \$44.30    | \$886   | \$886  | 240 LF x 15 FT/LF @ 9.0 SF/SY = 5.0% per year = 20.0 SY   |
| Subt - Drainage Ditch Repair           |                    |                 |            | \$954   | \$954  | stormwater drainage ditch repair  |
|  |                    |                 |            |   |  |   |
|  |                    |                 |            |   |  |   |
| PCC-3.15 Drainage Ditch Cleaning       |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep.                     |
| SLF 10 Drainage Ditches                |                    |                 |            |   |  | 2200 LF   |
| Facility-wide Drainage Ditches         |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   |
| Drainage Ditch Sediment Cleaning       | 6.2                | CY              | \$2.38     | \$15  | \$15   | 5,025.0 LF x 10.0 ft/LF x 0.333 feet (4") = 619.8 CY @ 1%/yr = 6.2 CY                             |
| Transportation of Ditch Sediment       | 5                  | miles           | \$3.25     | \$16  | \$16   | 8.4 tons @ 20 tons/load = 0.42 loads @ 5 miles per load = 5 miles                                 |
| Disposal of Ditch Sediment             | 8.4                | ton             | \$35.00    | \$294   | \$294  | 6.2 CY @ 1.35 ton/CY = 8.4 tons   |
| Subt - Drainage Ditch Cleaning         |                    |                 |            | \$325   | \$325  | stormwater drainage ditch cleaning  |
|  |                    |                 |            |   |  |   |
| PCC-3.16 Basin Cleaning                |                    |                 |            |   |  | sediment estimated to be 4 inches deep.   |
| Basin No. 1                            |                    |                 |            |   |  | 140625 SF div by 8 units = 17578 SF   |
| Basin No. 2                            |                    |                 |            |   |  | 150000 SF div by 8 units = 18750 SF   |
| Basin Sediment Cleaning                | 89.6               | CY              | \$2.38     | \$213   | \$213  | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY                                   |
| Transportation of Basin Sediment       | 30.0               | miles           | \$3.25     | \$98  | \$98   | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles                                   |
| Disposal of Basin Sediment             | 121.0              | ton             | \$35.00    | \$4,235   | \$4,235  | 89.6 CY @ 1.35 ton/CY = 121.0 tons  |
| Subt--Basin Cleaning                   |                    |                 |            | \$4,546   | \$4,546  | facility stormwater basin cleaning  |
|  |                    |                 |            |   |  |   |

Overall Site-Wide Post Closure Cost Estimate  
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| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|  |      |    |         |                |                |   |   |
|--|------|----|---------|----------------|----------------|---|---|
| <b>PCC-3.17 Culvert Maint/Replace</b>    |      |    |         |                |                | avg culvert = 25' (SLF 10) & 40' (sitewide); various diameters  |   |
| <i>SLF 10 Culverts</i>                   |      |    |         |                |                | <i>7 culverts x 25 feet long = 175 LF</i>   | <i>culverts specific to SLF 10 unit</i>           |
| <i>Facility-wide Culverts</i>            |      |    |         |                |                | <i>20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF</i>  | <i>culverts in non-specific areas of facility</i> |
| Culvert Cleaning - 8" diameter avg       | 275  | LF | \$2.14  | \$588          | \$588          | 275.0 LF  | DEC 2004 rate * deflator (2004-2010)              |
| Repl Culvert - 8" diam avg (SLF 10)      | 25   | LF | \$11.61 | \$290          | \$290          | 25.0 LF   | DEC 2004 rate * deflator (2004-2010)              |
| Repl Culv't - 18" diam avg (sitewide)    | 40   | LF | \$22.35 | \$894          | \$894          | 40.0 LF   | DEC 2004 rate * deflator (2004-2010)              |
| Replace Culvert - Ditch Excavation       | 48.8 | CY | \$2.96  | \$145          | \$145          | 65.0 LF x 0.75 CY/LF = 48.8 CY  | DEC 2004 rate * deflator (2004-2010)              |
| Replace Culvert - Bkfill/Compaction      | 48.8 | CY | \$3.86  | \$189          | \$189          | 48.8 CY   | DEC 2004 rate * deflator (2004-2010)              |
| Subt - Culvert Maint/Replacement         |      |    |         | <b>\$2,106</b> | <b>\$2,106</b> | <i>culvert maintenance and replacement</i>  |   |
| <i>(Subt: Assemb PCC-3.14 thru 3.17)</i> |      |    |         | <b>\$7,931</b> | <b>\$7,931</b> | <i>SLF 10 storm drainage maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equal</i> |   |

|  |     |    |        |                |                |  |  |
|--|-----|----|--------|----------------|----------------|--|--|
| <b>PCC-3.18 Road Maint/Replace</b>       |     |    |        |                |                | gravel roads = 15 feet wide; asphalt roads = 20 feet wide            |  |
| <i>SLF 10 Gravel Roads</i>               |     |    |        |                |                | <i>1800 LF x 15 feet wide = 3000 SY @ 5 % per year = 150.0 SY</i>    | <i>gravel roads specific to SLF 10 unit</i>            |
| <i>Facility-wide Asphalt Roads</i>       |     |    |        |                |                | <i>21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF</i> | <i>asphalt roads in non-specific areas of facility</i> |
| SLF 10 Gravel Road Repair                | 150 | SY | \$3.12 | \$468          | \$468          | 150.0 SY   | DEC 2004 rate * deflator (2004-2010)                   |
| Facility-wide Asphalt Roads              | 528 | SF | \$1.35 | \$712          | \$712          | 4,224.0 SF div by 8 units = 528.0 SF                                 | DEC 2004 rate * deflator (2004-2010)                   |
| Subt - Road Maint/Replacement            |     |    |        | <b>\$1,181</b> | <b>\$1,181</b> | <i>road maintenance and replacement</i>                              |  |
| <i>(Subt: Assemb PCC-3.18 thru 3.18)</i> |     |    |        | <b>\$1,181</b> | <b>\$1,181</b> | <i>SLF 10 road maintenance &amp; replacement</i>                     |  |

Total Non-Super hours 161.9

|  |      |       |         |              |              |   |   |
|--|------|-------|---------|--------------|--------------|---|---|
| <b>PCC-3.19 PPE Use/H&amp;S Planning</b> |      |       |         |              |              | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                      | 15.2 | days  | \$0.00  | \$0          | \$0          | 161.9 hours @ 8 hr/day = 20.2 days @ 75% "D" days = 15.2 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                  | 3    | days  | \$9.00  | \$27         | \$27         | 161.9 hours @ 8 hr/day = 20.2 days @ 15% "C" days = 3.0 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                      | 2    | days  | \$25.00 | \$50         | \$50         | 161.9 hours @ 8 hr/day = 20.2 days @ 10% "C" days = 2.0 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer                  | 4    | hours | \$75.00 | \$300        | \$300        | 161.9 hours @ 2.5% hr/hr = 4.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning            |      |       |         | <b>\$377</b> | <b>\$377</b> |   |   |
|  |      |       |         |              |              |   |   |
| <b>PCC-3.20 Supervision</b>              |      |       |         |              |              |   |   |
| Foreman                                  | 0    | hours | \$65.00 | \$0          | \$0          | Included in PCC-3.7a AWTS Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                     | 0    | hours | \$75.00 | \$0          | \$0          | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                   |      |       |         | <b>\$0</b>   | <b>\$0</b>   |   |   |
| <i>(Subt: Assemb PCC-3.19 thru 3.20)</i> |      |       |         | <b>\$377</b> | <b>\$377</b> | supervision, health & safety, and certification   |   |

|                                  |  |  |  |                  |                  |
|----------------------------------|--|--|--|------------------|------------------|
| <b>PCC 3: SLF 10 Direct Cost</b> |  |  |  | <b>\$175,203</b> | <b>\$171,746</b> |
|----------------------------------|--|--|--|------------------|------------------|

Overall Site-Wide Post Closure Cost Estimate  
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|                                  |  |  |   |   |
|----------------------------------|--|--|---|---|
| PCC-3: SLF 10                    |  |  |   |   |
| Total Cost Summary - Basic Opt.  |  |  |   |   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>Annual<br>Cost Post -<br>Closure<br>Period | Proposed<br>Cost -<br>Annual<br>Perpetual<br>Care | Cost Range  |
| Direct Costs                     |  | \$175,203  | \$171,746   |   |
|                                  |  |  |   |   |
| Plus Indirect Costs/Profit:      |  |  |   |   |
| Site Activity Management Costs   | 3.00%                                    | \$5,256  | \$5,152.39  | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$7,008  | \$6,870   | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                                    | \$1,752  | \$1,717.46  | For post-closure, design costs minimal and included in Assb 3.20. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                                    | \$1,752  | \$1,717.46  | For post-closure, design costs minimal and included in Assb 3.20. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                                    | \$10,512   | \$10,305  | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                                   | \$26,280   | \$25,762  |   |
|                                  |  |  |   |   |
| Subtotal - Direct/Indirect Costs |  | \$201,483  | \$197,508   |   |
|                                  |  |  |   |   |
| Plus Contingency                 | 15.00%                                   | \$30,222   | \$29,626  | DEC uses 15% applied to total cost  |
|                                  |  |  |   |   |
| Total - PCC-3: SLF 10            |  | \$231,706  | \$227,134   |   |
|                                  |  |  |   |   |

SLF 10 Years of Post Closure

Years Since Closure

25

Post Closure Years Remaining

5

|                                    |  |             |
|------------------------------------|--|-------------|
| Post Closure Costs Remaining Years |  | \$1,158,528 |
| Post Closure Costs 30-Years        |  | \$6,951,166 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                             |             |            |             |         |   |
|-----------------------------|-------------|------------|-------------|---------|---|
| SLF 11 Parameters - Area    | 6.9 acres = | 33333 SY = | 300000 SF = | 300 MSF | 31680 LF (6 Mi.) = total est'd perimeter fencing for eight (8) SLFs |
| SLF 11 Parameters - Fencing |             |            |             |         | 3960 LF = portion of perimeter fencing for SLF 10                   |

|                              |         |      |                     |    |                              |    |
|------------------------------|---------|------|---------------------|----|------------------------------|----|
| SLF 11 Years of Post Closure | Closure | 1992 | Years Since Closure | 20 | Post Closure Years Remaining | 10 |
|------------------------------|---------|------|---------------------|----|------------------------------|----|

|  |     |       |         |              |              |  |   |
|--|-----|-------|---------|--------------|--------------|--|---|
| <b>PCC-4.1 Annual Visual Inspections</b> |     |       |         |              |              | make visual inspections and log results; two persons required                  |   |
| <i>Post-Closure</i>                      |     |       |         |              |              | Post-Closure Frequencies according to Page 11 of Site-Wide Post-Closure Plan   |   |
| Technician - Landfill                    | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.5 | hours | \$38.00 | \$57         | \$0          | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 7.2 | hours | \$38.00 | \$274        | \$0          | 2 hrs/insp x 1.8 insp/year x 2 per crew = 7.2 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Post-Cls   |     |       |         | <b>\$847</b> | <b>\$0</b>   | SLF 10 post-closure inspections  |   |
| <i>Perpetual Care</i>                    |     |       |         |              |              | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plan |   |
| Technician - Landfill                    | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.0 | hours | \$38.00 | \$0          | \$38         | 4 hrs/insp x 1.0 insp/year x 2 per crew/ 8 facility units = 1.0 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 4.2 | hours | \$38.00 | \$0          | \$160        | 2 hrs/insp x 1.04 insp/year x 2 per crew = 4.2 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care  |     |       |         | <b>\$0</b>   | <b>\$502</b> | SLF 11 perpetual care inspections  |   |
| (Subt: Assemb PCC-4.1 thru 4.1)          |     |       |         | <b>\$847</b> | <b>\$502</b> | SLF 11 visual inspections  |   |

|                                       |      |    |         |                |                |   |                           |
|---------------------------------------|------|----|---------|----------------|----------------|---|---------------------------|
| <b>PCC-4.2 Perimeter Fence Maint.</b> |      |    |         |                |                | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected               |                           |
| Replacement of Fencing                | 79.2 | LF | \$20.00 | \$1,584        | \$1,584        | 31680 LF div by 8 units x 2% per year = 79.2 LF   | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.         |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | SLF 11 share of perimeter fence inspection & replacement  |                           |
| (Subt: Assemb PCC-4.2 thru 4.2)       |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | SLF 11 share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equal |                           |

|   |      |       |          |                |              |   |   |
|---|------|-------|----------|----------------|--------------|---|---|
| <b>PCC-4.3 Groundwater Monitoring</b>     |      |       |          |                |              | sampling crew composed of two technicians; 23 monitoring wells (22 for unit + 1 upgradient) |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |                |              | 0.0 quart'ly + 46.0 semi-ann + 0.0 b-ann'l x 1.05 each = 48.3 samp                          | includes 5% QA sampling                                   |
| <i>Post-Closure</i>                       |      |       |          |                |              |   |   |
| Technician                                | 96.6 | hours | \$38.00  | \$3,671        | \$0          | 48.3 samps @ 1.0 hrs/samp x 2 per crew = 96.6 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 48.3 | samp  | \$25.00  | \$1,208        | \$0          | 48.3 samples  | bottles, shipping supplies                                |
| VOCs                                      | 48.3 | samp  | \$105.00 | \$5,072        | \$0          | 48.3 samples  | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | <b>\$9,950</b> | <b>\$0</b>   | post closure groundwater monitoring   |   |
| <i>Monit'g Events &amp; Samples/Event</i> |      |       |          |                |              | 23.0 wells @ 1 sample/5 years 1.05 each = 4.8 samp/yr                                       |   |
| <i>Perpetual Care</i>                     |      |       |          |                |              | Perpetual care groundwater monitoring once every five years                                 |   |
| Technician                                | 9.7  | hours | \$38.00  | \$0            | \$369        | 4.8 samps @ 1.0 hrs/samp x 2 per crew = 9.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 4.8  | samp  | \$25.00  | \$0            | \$120        | 4.8 samples   | bottles, shipping supplies                                |
| VOCs                                      | 4.8  | samp  | \$105.00 | \$0            | \$504        | 4.8 samples   | Average of three quotes                                   |
| Subt - GW Monitoring                      |      |       |          | <b>\$0</b>     | <b>\$993</b> | perpetual care groundwater monitoring   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                |
|---|--------------------|-----------------|-------------|---|--|--|--|
| PCC-4.4 Outfalls 002,003,004 SPDES Mon    |                    |                 |             |   |  | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Weekly Sampling Events                    |                    |                 |             |   |  | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                | 39                 | hours           | \$38.00     | \$1,482   | \$1,482  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         |  |
| Pickup Truck                              | 39                 | hours           | \$10.45     | \$408   | \$408  | 39.0 hours   |  |
| Sampling Equipment                        | 39                 | hours           | \$5.00      | \$195   | \$195  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5               | samp            | \$5.00      | \$98  | \$98   | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5               | samp            | \$10.67     | \$208   | \$208  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5               | samp            | \$13.33     | \$260   | \$260  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2               | samp            | \$13.33     | \$216   | \$216  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2               | samp            | \$15.00     | \$243   | \$243  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1               | samp            | \$13.33     | \$1,015   | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5                | samp            | \$31.67     | \$143   | \$143  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5                | samp            | \$17.50     | \$79  | \$79   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5                | samp            | \$22.67     | \$102   | \$102  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9                  | samp            | \$105.00    | \$945   | \$945  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9                  | samp            | \$40.00     | \$360   | \$360  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5                | samp            | \$26.67     | \$120   | \$120  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5               | samp            | \$133.33    | \$2,600   | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0                  | samp            | \$86.67     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9                  | samp            | \$75.00     | \$675   | \$675  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0                  | samp            | \$75.00     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5               | samp            | \$5.00      | \$98  | \$98   |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |                    |                 |             | \$9,403   | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
| PCC-4.4a Discharge Monitoring Report      |                    |                 |             |   |  | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                         | 3                  | hours           | \$130.00    | \$390   | \$390  | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                  | 6                  | hours           | \$45.00     | \$270   | \$270  | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report        |                    |                 |             | \$660   | \$660  | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| (Subt: Assemb PCC-4.3 thru 4.4a)          |                    |                 |             | \$20,013  | \$11,056   | SLF 11 groundwater & stormwater monitoring activities  |  |
| PCC-4.5 Landfill Cover Maint.             |                    |                 |             |   |  |  |  |
| Replacement of Cover                      | 0.257              | acre            | \$20,973.33 | \$5,390   | \$5,390  | 25.7 acre @ 1.0% per year = 0.257 acres/yr   | unit price based upon vegetation, topsoil, from RMU-1      |
| Subt - Landfill Cover Maint.              |                    |                 |             | \$5,390   | \$5,390  | SLF 11 upper cap maintenance and replacement   | Assemblies 14.17 thru 14.18                                |
| PCC-4.6 Mowing/Grooming                   |                    |                 |             |   |  |  |  |
| Mowing                                    | 1120.0             | MSF             | \$3.21      | \$3,599   | \$3,599  | 1,120.0 MSF @ 1.0 per year = 1,120.0 MSF   | DEC 2004 rate * deflator (2004-2010)                       |
| Fertilizing                               | 224.0              | MSF             | \$3.82      | \$856   | \$856  | 1,120.0 MSF @ 1.0 per 5.0 years = 224.0 MSF  | DEC 2004 rate * deflator (2004-2010)                       |
| Subt - Mowing/Grooming                    |                    |                 |             | \$4,454   | \$4,454  | SLF 10 mowing and fertilizing  |  |
| (Subt: Assemb PCC-4.5 thru 4.6)           |                    |                 |             | \$9,844   | \$9,844  | SLF 10 cap maintenance activities: post-closure & perpetual care frequency are equal               |  |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References   |
|--|--------------------|-----------------|-------------|---|--|--|---|
| <b>PCC-4.7 Leachate System Mgmt</b>      |                    |                 |             |   |  |  |   |
|  |                    |                 |             |   |  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours                                     |   |
| Leachate Treatment                       | 147659             | gal             | \$0.3532    | \$52,155  | 0  | 147,659 gals estimated annual leachate volume based average previous 5-years post closure                    | unit price derived from AWTS O&M model                                |
| Leachate Treatment - Perpetual Care      | 147659             | gal             | \$0.3532    | \$0   | \$52,155   | 147,659 gals estimated annual leachate volume based average previous 5-years post closure                    |   |
| Leach Treat Syst. Capital Repl Cost      | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                         | DEC estimate of AWTS capital replacement costs @ 25 yrs               |
| Laborer                                  | 24.0               | hours           | \$39.00     | \$936   | \$936  | 2 hrs/mon x 12 mon/year = 24 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Technician                               | 24.0               | hours           | \$38.00     | \$912   | \$912  | 2 hrs/mon x 12 mon/year = 24 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Leachate VOC Samp & Analysis             | 10.5               | sample          | \$105.00    | \$1,103   | \$1,103  | 10 sumps x 1 sampl/yr = 10.5 samples   | average of 3 third party quotes                                       |
| Leachate Organic Priority Pollutant      | 10.5               | sample          | \$633.33    | \$6,650   | \$6,650  | 10 sumps x 1 sampl/yr = 10.5 samples   | average of 3 third party quotes                                       |
| Leachate Metals Samp & Analysis          | 10.5               | sample          | \$155.00    | \$1,628   | \$1,628  | 10 sumps x 1 sampl/yr = 10.5 samples   | average of 3 third party quotes                                       |
| Electrical Costs - Pumps                 | 222.0              | KWH             | \$0.086     | \$19  | \$19   | 198.4 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 222.0 KWH  | 2004 DEC Rate * Implicit Deflator                                     |
| Replacement of Main Pump T-111           | 0.2                | pump            | \$2,456.00  | \$491   | \$491  | 1 pump per 5 years = 0.2 pumps   | 250 gpm, 5 hp pump, Site Experience                                   |
| Replace Primary Sump Pumps               | 1.0                | pump            | \$1,382.00  | \$1,382   | \$1,382  | 14 pumps x 1.0 pu/yr = 1.0 pumps   | 1.5 hp submersible pump, site experience                              |
| Replace Secondary Sump Pumps             | 1.0                | pump            | \$850.00    | \$850   | \$850  | 10 pumps x 1.0 pu/yr = 1.0 pumps   | 4" subm pump, 0.5 hp, , site experience                               |
| Replacement of Pump Dischg Hose          | 2.0                | hose            | \$211.54    | \$423   | \$423  | 2 pumps x 1 per pump = 2 hoses   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Pumps/Hoses                  | 20.0               | CF              | \$12.45     | \$249   | \$249  | 2 pu/hos @ 10 CF/pump = 20 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replacement of Piping - 2"/4"            | 62.3               | LF              | \$53.25     | \$3,318   | \$3,318  | 6,225 LF @ 1.0% per year = 62.3 LF/yr  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 2"/4"               | 20.5               | CF              | \$12.45     | \$255   | \$255  | 62 LF @ 0.33 CF/LF = 20.5 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 4"/8" & 6"/10"          | 11.2               | LF              | \$73.50     | \$823   | \$823  | 11 LF @ 0.50 CF/LF = 5.6 CF  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 4"/8" & 6"/10"      | 5.6                | CF              | \$12.45     | \$70  | \$70   | 11 LF @ 0.50 CF/LF = 5.6 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Subt - Leachate Coll Syst Mgmt           |                    |                 |             | \$88,905  | \$88,905   | annual O&M costs plus capital replacement of treatment system, pumps, and piping                             |   |
|  |                    |                 |             |   |  |  |   |
| <b>PCC-4.7a AWTS Operation</b>           |                    |                 |             |   |  |  |   |
|  |                    |                 |             |   |  | Shift operation of the AWTS for 12 months  | no DEC estimate for this activity: DEC Estimate included in unit rate |
| Material handler/basic labor             | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Maintenance/basic labor                  | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Operator/technician                      | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Laboratory/technician                    | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| AWT Foreman/Supervisor                   | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                   | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Subt - AWTS Operation                    |                    |                 |             | \$92,049  | \$92,049   | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site  |   |
|  |                    |                 |             |   |  |  |   |
| <b>PCC-4.7b Site Waters Treatment</b>    |                    |                 |             |   |  |  |   |
| Leachate Treatment - Post Closure        | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons  | unit price derived from AWTS model                                    |
| Leachate Treatment - Perpetual Care      | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons  | unit price derived from AWTS model                                    |
| Tank Trailer (5,500 gals) Collect        | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs               | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Road Tractor (4 x 2, 30 ton) Transport   | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                    | RSM/HC p. 472 (line item 01 54 33 40 7410)                            |
| Tank Trailer (5,500 gals) Transport      | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs               | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Tank Trailer (5,500 gals) Fill T-100     | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs               | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Subt - Site Waters Treatment             |                    |                 |             | \$9,199   | \$9,199  | SLF-11 share of annual site waters collection & treatment: post-closure & perpetual care frequency are equal | Labor included in PCC-1.7a  |
|  |                    |                 |             |   |  |  |   |
| <b>PCC-4.7c Batch Tank Qualification</b> |                    |                 |             |   |  |  |   |
|  |                    |                 |             |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds  | To Meet LDR requirements  |
| VOCs (624)                               | 3.4                | samp            | \$105.00    | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      |   |
| Semi-volatile organics (625)             | 3.4                | samp            | \$208.33    | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      | monthly: Average of three quotes                                      |
| PCBs (608) (MDL 65 PPT (ng/l))           | 3.4                | samp            | \$133.33    | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      | monthly: Average of three quotes                                      |
| Priority Pollutant Metals (200.7)        | 3.4                | samp            | \$188.00    | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      | monthly: Average of three quotes                                      |
| Mercury (245.1)                          | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      | monthly: Average of three quotes                                      |
| Sulfides                                 | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      | monthly: Average of three quotes                                      |
| Cyanide                                  | 3.4                | samp            | \$35.00     | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                      | monthly: Average of three quotes                                      |
| Subt - Batch Tank Qualification          |                    |                 |             | \$2,465   | \$2,465  | SLF-11 share of annual batch tank qualification  | Samples collected by lab technician                                   |
|  |                    |                 |             |   |  |  |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs                     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                                    | In-house Pricing References                              |
|--|--------------------|-----------------|------------|---|--|---|--|
| <b>PCC-4.7d Pond Sampling &amp; Analysis (Outfall 001)</b> |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew                    | SPDES PreQual Sampling of Outfall 001 prior to discharge |
| Batch Sampling Events                                      |                    |                 |            |   |  | 1 events @ 3 samp/event= 3 samples  | sampling & analysis prior to pond discharge              |
| Technician   | 2.6                | hours           | \$38.00    | \$99  | \$99   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 3 units/crew = 18.0 hrs/7 units = 2.6 hrs              | technician rate: rate 2011 3rd party quote               |
| Sampling Equipment   | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 1 units/crew = 6.0 hrs/ 7 units = 0.9 hrs              | boat, samplers, meters, etc.                             |
| Sampling Supplies  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | bottles, shipping supplies                               |
| pH   | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Specific Conductance                                       | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Temperature  | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment  | Obtained using field equipment                           |
| Dissolved Oxygen   | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment  | Obtained using field equipment                           |
| Total Dissolved solids (TDS)                               | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| TDVS (total dissolved volatile solids)                     | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Alkalinity as CaCO3  | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| TOC  | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Ca/Mg Hardness (200.7)                                     | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Total Suspended Solids (TSS)                               | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Settleable Solids  | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Ammonia (NH3)  | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Phosphorous  | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| TON (TKN-NH3)  | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Cyanide  | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Sulfates   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Sulfides   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Surfactants (MBAS)   | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| BOD-5  | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Fluoride   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Chlorine   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Residual Chlorine  | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| NO2  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| NO3  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| VOCs (624)   | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Semi-volatile organics (625)                               | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))                  | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Oil & Grease (1631)  | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| total Phenols  | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Priority Pollutant Metals (200.7) *                        | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Mercury (245.1)  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Mercury (1631B)  | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Acute Toxicity/Bioassy                                     | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples  | One quote: actual cost for 2010                          |
| Subt - Pond Sampling & Analysis                            |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge                 |  |
| <b>PCC-4.7e Pond S&amp;A Certification &amp; Report</b>    |                    |                 |            |   |  | one event per year for divers to check discharge pipe; one predischage qualification report |  |
| Divers (Sr. Technicians)                                   | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |  |
| SCBA Gear (2 units)  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |  |
| Laborer (Surface Support)                                  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |  |
| Underwater Inspection                                      | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @ 1 event per year/ 7 units = 0.15 events                                 | Based on 2010 site rate of \$3,500                       |
| Engineer (Report)  | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @ 40 hrs/event = 40.0 hours @ 1 units/crew = 40.0 hours/7 units = 5.7              | Eng Rate: rate 2011 3rd party quote                      |
| Subt - S&A Cert'n & Report                                 |                    |                 |            | \$1,341   | \$1,341  | diver(s) to check discharge pipe; also engineer's predischage qualification report          | Fac Pond 8 out of service empty                          |
|  |                    |                 |            |   |  |   |  |



Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs             | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|---|--|---|---|
|  |                    |                 |            |   |  |   |   |
| PCC-4.7f Empty (Pump) FAC Pond to Outfall 001      |                    |                 |            |   |  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M                                  | Treated wastewater from all 7 units                       |
| FAC Pond 1/2 Inventory in Gallons                  | 2750618.0          | gals            | n/a        |   |  | 45.8 total hours req'd to pump  | & site waters   |
| Labor to pump/discharge                            |                    | day hrs         | n/a        | \$0   | \$0  | Included in PCC-4.7a above  |   |
| Tech/Sampler (day shift only)                      |                    | day hrs         | \$38.00    | \$0   | \$0  | Included in PCC-4.7a above  |   |
| Settleable Solids                                  | 1.6                | samp            | \$13.33    | \$21  | \$21   | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples   | analytical price: average of three quotes                 |
| Dissolved Oxygen                                   | 1.0                | samp            | -          | \$0   | \$0  | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples Field Measurement  | analytical price: average of three quotes                 |
| Sulfide (total)                                    | 1.0                | samp            | \$25.00    | \$25  | \$25   | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | analytical price: average of three quotes                 |
| Discharge Pump (6"/1,000 gal/min)                  | 6.5                | total hrs       | \$12.34    | \$80  | \$80   | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs  | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam/3,000 LF)                  | 19628.0            | foot-hrs        | \$0.0110   | \$216   | \$216  | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628   | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subtotal - Pump FAC Pond 1/2                       |                    |                 |            | \$342   | \$342  | transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)   |   |
| (Subt: Assemb PCC-4.7 thru 4.7f)                   |                    |                 |            | \$195,654   | \$195,654  | SLF 11 share of annual O&M and capital costs for leachate collection & treatment: post-closure & perpetual care frequency are equal |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.8 Empty Tank T-108                           |                    |                 |            |   |  |   |   |
| Laborer  | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTS   |   |
| Pumping Equipment                                  | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system  |   |
| Tank Trailer (5,500 gals) Post Closure Period      | 89.5               | Hour            | \$6.31     | \$565   | \$0  | 147,659 gals @ 1650 gals/hr = 89.5 per crew = 1.0 unit/crew = 89.5 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 89.5               | Hour            | \$6.31     | \$0   | \$565  | 147,659 gals @ 1650 gals/hr = 89.5 per crew = 1.0 unit/crew = 89.5 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Empty Tank T-108                            |                    |                 |            | \$565   | \$565  | pumping leachate from Tank T-108 for transport to Tank T-158  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.9 Transp't Leachate Onsite                   |                    |                 |            |   |  | production rate = 0.5 hours for on-site transport   |   |
| Road Tractor (4 x 2, 30 ton) Post Closure Period   | 13.4               | Hour            | \$32.45    | \$435   | \$435  | 147,659 gals @ 5500 gals/load = 26.8 loads @ 0.5 hrs/trip = 13.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Road Tractor (4 x 2, 30 ton) Perpetual Care Period | 13.4               | Hour            | \$32.45    | \$435   | \$435  | 147,659 gals @ 5500 gals/load = 26.8 loads @ 0.5 hrs/trip = 13.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 7410)                |
| Driver   | 0                  | Hour            | \$45.00    | \$0   | \$0  | Labor included in third party operation of AWTS   |   |
| Tank Trailer (5,500 gals) Post Closure Period      | 13.4               | Hour            | \$6.31     | \$85  | \$0  | 147,659 gals @ 5500 gals/load = 26.8 loads @ 0.5 hrs/trip = 13.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 13.4               | Hour            | \$6.31     | \$0   | \$85   | 147,659 gals @ 5500 gals/load = 26.8 loads @ 0.5 hrs/trip = 13.4 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Transp Leachate Onsite                      |                    |                 |            | \$954   | \$954  | onsite transport of leachate from Tank T-108 to Tank T-158  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.10 Fill Tank T-158                           |                    |                 |            |   |  | production rate = 1,650 gals per hour; RSM/UP p. 9-171 (33-19-0101)   |   |
| Laborer  | 0                  | Hour            | \$39.00    | \$0   | \$0  | Labor included in third party operation of AWTS   |   |
| Pumping Equipment                                  | 0                  | Hour            | \$0.00     | \$0   | \$0  | Existing equipment part of tank system  |   |
| Tank Trailer (5,500 gals) Post Closure Period      | 89.5               | Hour            | \$6.31     | \$565   | \$0  | 147,659 gals @ 1650 gals/hr = 89.5 per crew = 1.0 unit/crew = 89.5 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Tank Trailer (5,500 gals) Perpetual Care Period    | 89.5               | Hour            | \$6.31     | \$0   | \$565  | 147,659 gals @ 1650 gals/hr = 89.5 per crew = 1.0 unit/crew = 89.5 hours  | RSM/HC p. 472 (line item 01 54 33 40 6900)                |
| Subt - Fill Tank T-158                             |                    |                 |            | \$565   | \$565  | pumping leachate taken from Tank T-108 into Tank T-158  |   |
| (Subt: Assemb PCC-4.8 thru 4.10)                   |                    |                 |            | \$2,084   | \$2,084  | SLF 11 share of annual leachate transport costs   |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.11 Tank Assessments                          |                    |                 |            |   |  | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs                                |   |
| Internal & External Inspections                    |                    |                 |            |   |  | 16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr   |   |
| Engineer - Inspection                              | 3.7                | Hour            | \$130.00   | \$481   | \$481  | 0.5 tanks/yr x 8 hrs/tnk x 1.0 per crew = 3.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                            | 7.3                | Hour            | \$38.00    | \$277   | \$277  | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%                         | 1.8                | Hour            | \$130.00   | \$234   | \$234  | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                            |                    |                 |            | \$992   | \$992  | inspection of 16 tanks  |   |
|  |                    |                 |            |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|---|--|---|---|
|  |                    |                 |            |   |  |   |   |
| PCC-4.12 Tank Assessments              |                    |                 |            |   |  | thirty (30) tanks requiring only external inspections once every five years by 1 PE               |   |
| External Only Inspections              |                    |                 |            |   |  | 32 tanks @ 5 yr inspect = 6.4 tnks/yr @ 7 areas = 0.9 tnks/yr                                     |   |
| Engineer - Inspection                  | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 0.9 tanks/yr x 4 hrs/tnk x 1.0 per crew = 3.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Inspection                | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Engineer - Reporting @ 50%             | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - Tank Assessments                |                    |                 |            | \$663   | \$663  | inspection of 32 tanks  |   |
| (Subt: Assemb PCC-4.11 thru 4.12)      |                    |                 |            | \$1,655   | \$1,655  | SLF 11 share of annual tank assessment costs: post-closure & perpetual care frequency are equal   |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.13 Replace Mon Well Pump         |                    |                 |            |   |  |   |   |
| Replace Mon Well Pumps                 | 0.58               | pump            | \$900.00   | \$522   | \$522  | 23 pumps @ 2.5% per year = 0.58 pumps/yr  | Site experience third party costs                             |
| Technician                             | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year  | third party labor costs                                       |
| Disposal of Pumps                      | 0.58               | CF              | \$12.45    | \$7   | \$7  | 0.58 pumps @ 1.0 CF/pump = 0.58 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Concrete Pads          | 0.58               | pad             | \$131.50   | \$76  | \$76   | 23 pads @ 2.5% per year = 0.58 pads/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Well Surface Concrete      | 1.15               | CF              | \$12.45    | \$14  | \$14   | 0.58 pads @ 2.0 CF/pad = 1.15 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Covers                 | 0.58               | each            | \$371.63   | \$216   | \$216  | 23 covers @ 2.5% per year = 0.58 covers/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Mon Well Covers            | 0.29               | CF              | \$12.45    | \$4   | \$4  | 0.58 covers @ 0.5 CF/cover = 0.29 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Subt - Replace Mon Well Pumps          |                    |                 |            | \$915   | \$915  | monitoring well pump maintenance and replacement  |   |
| (Subt: Assemb PCC-4.13 thru 4.13)      |                    |                 |            | \$915   | \$915  | SLF 11 mon well pump maintenance & replacement: post-closure & perpetual care frequency are equal |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.14 Drainage Ditch Repair         |                    |                 |            |   |  | ditches estimated to be 10 feet in width  |   |
| SLF 11 Drainage Ditches                |                    |                 |            |   |  | 4400 LF   | drainage ditches specific to SLF 11 unit                      |
| Facility-wide Drainage Ditches         |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility            |
| Drainage Ditch Repair                  | 0.017              | acre            | \$5,698.00 | \$97  | \$97   | 7,225 LF x 10 ft/LF = 1.659 acres @ 1.0% per year = 0.017 acres                                   | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20)     |
| Rip-Rap Downchute Channel Repair       | 60                 | SY              | \$44.30    | \$2,658   | \$2,658  | 720 LF x 15 FT/LF @ 9.0 SF/SY @ 5.0% per year = 60.0 SY   | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)       |
| Subt - Drainage Ditch Repair           |                    |                 |            | \$2,755   | \$2,755  | stormwater drainage ditch repair  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.15 Drainage Ditch Cleaning       |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep.                     |   |
| SLF 11 Drainage Ditches                |                    |                 |            |   |  | 4400 LF   | drainage ditches specific to SLF 11 unit                      |
| Facility-wide Drainage Ditches         |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility            |
| Drainage Ditch Sediment Cleaning       | 8.9                | CY              | \$2.38     | \$21  | \$21   | 7,225.0 LF x 10.0 ft/LF x 0.333 feet (4") = 891.1 CY @ 1%/yr = 8.9 CY                             | unit price based upon FAC Ponds 1/2 excavation (6.11)         |
| Transportation of Ditch Sediment       | 5                  | miles           | \$3.25     | \$16  | \$16   | 12.0 tons @ 20 tons/load = 0.60 loads @ 5 miles per load = 5 miles                                | unit price based upon FAC Ponds 1/2 transportation (6.13)     |
| Disposal of Ditch Sediment             | 12                 | ton             | \$35.00    | \$420   | \$420  | 8.9 CY @ 1.35 ton/CY = 12.0 tons  | unit price based upon FAC Ponds 1/2 disposal (6.14)           |
| Subt - Drainage Ditch Cleaning         |                    |                 |            | \$457   | \$457  | stormwater drainage ditch cleaning  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-4.16 Basin Cleaning                |                    |                 |            |   |  | sediment estimated to be 4 inches deep.   |   |
| Basin No. 1                            |                    |                 |            |   |  | 140625 SF div by 8 units = 17578 SF   |   |
| Basin No. 2                            |                    |                 |            |   |  | 150000 SF div by 8 units = 18750 SF   |   |
| Basin Sediment Cleaning                | 89.6               | CY              | \$2.38     | \$213   | \$213  | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY                                   | unit price based upon FAC Ponds 1/2 excavation (6.11)         |
| Transportation of Basin Sediment       | 30.0               | miles           | \$3.25     | \$98  | \$98   | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles                                   | unit price based upon FAC Ponds 1/2 excavation (6.13)         |
| Disposal of Basin Sediment             | 121.0              | ton             | \$35.00    | \$4,235   | \$4,235  | 89.6 CY @ 1.35 ton/CY = 121.0 tons  | unit price based upon FAC Ponds 1/2 excavation (6.14)         |
| Subt--Basin Cleaning                   |                    |                 |            | \$4,546   | \$4,546  | facility stormwater basin cleaning  |   |
|  |                    |                 |            |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-4: SLF 11

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                                       |      |    |         |          |          |  |  |
|---------------------------------------|------|----|---------|----------|----------|--|--|
| PCC-4.17 Culvert Maint/Replace        |      |    |         |          |          | avg culvert = 25' (SLF 11) & 40' (sitewide); various diameters                                     |  |
| SLF 11 Culverts                       |      |    |         |          |          | 12 culverts x 25 feet long = 300 LF  | culverts specific to SLF 11 unit           |
| Facility-wide Culverts                |      |    |         |          |          | 20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF  | culverts in non-specific areas of facility |
| Culvert Cleaning - 8" diameter avg    | 400  | LF | \$2.14  | \$855    | \$855    | 400.0 LF   | DEC 2004 rate * deflator (2004-2010)       |
| Repl Culvert - 8" diam avg (SLF 10)   | 25   | LF | \$11.61 | \$290    | \$290    | 25.0 LF  | DEC 2004 rate * deflator (2004-2010)       |
| Repl Culv't - 18" diam avg (sitewide) | 40   | LF | \$22.35 | \$894    | \$894    | 40.0 LF  | DEC 2004 rate * deflator (2004-2010)       |
| Replace Culvert - Ditch Excavation    | 48.8 | CY | \$2.96  | \$145    | \$145    | 65.0 LF x 0.75 CY/LF = 48.8 CY   | DEC 2004 rate * deflator (2004-2010)       |
| Replace Culvert - Bkfill/Compaction   | 48.8 | CY | \$3.86  | \$189    | \$189    | 48.8 CY  | DEC 2004 rate * deflator (2004-2010)       |
| Subt - Culvert Maint/Replacement      |      |    |         | \$2,373  | \$2,373  | culvert maintenance and replacement  |  |
| (Subt: Assemb PCC-4.14 thru 4.17)     |      |    |         | \$10,131 | \$10,131 | SLF 11 storm drainage maintenance & replacement: post-closure & perpetual care frequency are equal |  |

|                                   |       |    |        |         |         |   |   |
|-----------------------------------|-------|----|--------|---------|---------|---|---|
| PCC-4.18 Road Maint/Replace       |       |    |        |         |         | gravel roads = 15 feet wide; asphalt roads = 20 feet wide     |   |
| SLF 11 Gravel Roads               |       |    |        |         |         | 1450 LF x 15 feet wide = 2416.7 SY @ 5% per year = 120.8 SY   |   |
| Facility-wide Asphalt Roads       |       |    |        |         |         | 21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF | asphalt roads in non-specific areas of facility |
| SLF 11 Gravel Road Repair         | 120.8 | SY | \$3.12 | \$377   | \$377   | 120.8 SY  | DEC 2004 rate * deflator (2004-2010)            |
| Facility-wide Asphalt Roads       | 528   | SF | \$1.35 | \$712   | \$712   | 4,224.0 SF div by 8 units = 528.0 SF                          | DEC 2004 rate * deflator (2004-2010)            |
| Subt - Road Maint/Replacement     |       |    |        | \$1,090 | \$1,090 | road maintenance and replacement                              |   |
| (Subt: Assemb PCC-4.18 thru 4.18) |       |    |        | \$1,090 | \$1,090 | SLF 11 road maintenance & replacement                         |   |

Total Non-Super hours 224.9

|                                   |      |       |         |       |       |   |   |
|-----------------------------------|------|-------|---------|-------|-------|---|---|
| PCC-4.19 PPE Use/H&S Planning     |      |       |         |       |       | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D               | 21.1 | days  | \$0.00  | \$0   | \$0   | 224.9 hours @ 8 hr/day = 28.1 days @ 75% "D" days = 21.1 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C           | 4.2  | days  | \$9.00  | \$38  | \$38  | 224.9 hours @ 8 hr/day = 28.1 days @ 15% "C" days = 4.2 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C               | 2.8  | days  | \$25.00 | \$70  | \$70  | 224.9 hours @ 8 hr/day = 28.1 days @ 10% "C" days = 2.8 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer           | 5.6  | hours | \$75.00 | \$420 | \$420 | 224.9 hours @ 2.5% hr/hr = 5.6 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning     |      |       |         | \$528 | \$528 |   |   |
|                                   |      |       |         |       |       |   |   |
| PCC-4.20 Supervision              |      |       |         |       |       |   |   |
| Foreman                           | 0    | hours | \$65.00 | \$0   | \$0   | Included in PCC-4.7a AWTS Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager              | 0    | hours | \$75.00 | \$0   | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision            |      |       |         | \$0   | \$0   |   |   |
| (Subt: Assemb PCC-4.19 thru 4.20) |      |       |         | \$528 | \$528 | supervision, health & safety, and certification   |   |

|                           |  |  |  |           |           |
|---------------------------|--|--|--|-----------|-----------|
| PCC 4: SLF 11 Direct Cost |  |  |  | \$244,346 | \$235,043 |
|---------------------------|--|--|--|-----------|-----------|

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

|                                  |  |  |   |   |
|----------------------------------|--|--|---|---|
| PCC-4: SLF 11                    |  |  |   |   |
| Total Cost Summary               |  |  |   |   |
| Cost Category                    | Proposed<br>Percent<br>of Direct<br>Cost | Proposed<br>Annual<br>Cost Post -<br>Closure<br>Period | Proposed<br>Cost -<br>Annual<br>Perpetual<br>Care | Cost Range  |
| Direct Costs                     |  | \$244,346  | \$235,043   |   |
|                                  |  |  |   |   |
| Plus Indirect Costs/Profit:      |  |  |   |   |
| Site Activity Management Costs   | 3.00%                                    | \$7,330  | \$7,051   | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                                    | \$9,774  | \$9,402   | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                                    | \$2,443  | \$2,350   | For post-closure, design costs minimal and included in Assb 4.20. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                                    | \$2,443  | \$2,350   | For post-closure, design costs minimal and included in Assb 4.20. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                                    | \$14,661   | \$14,103  | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                                   | \$36,652   | \$35,256  |   |
|                                  |  |  |   |   |
| Subtotal - Direct/Indirect Costs |  | \$280,998  | \$270,299   |   |
|                                  |  |  |   |   |
| Plus Contingency                 | 15.00%                                   | \$42,150   | \$40,545  | DEC uses 15% applied to total cost  |
|                                  |  |  |   |   |
| Total - PCC-4: SLF 11            |  | \$323,147  | \$310,844   |   |
|                                  |  |  |   |   |

SLF 11 Years of Post Closure

Years Since Closure

20

Post Closure Years Remaining

10

|                                    |  |             |
|------------------------------------|--|-------------|
| Post Closure Costs Remaining Years |  | \$3,231,472 |
| Post Closure Costs 30-Years        |  | \$9,694,415 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-5: SLF 12

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
| SLF 12 Parameters - Area               |                    |                 |            |   |  |  |                             |
| SLF 12 Parameters - Fencing            |                    |                 |            |   |  |  |                             |

SLF 12 Years of Post Closure Closure 1996 Years Since Closure 15 15

|   |     |       |         |       |       |  |                              |   |
|---|-----|-------|---------|-------|-------|--|------------------------------|---|
| PCC-5.1 Annual Visual Inspections       |     |       |         |       |       | make visual inspections and log results; two persons required                  |                              |   |
| Post-Closure                            |     |       |         |       |       |  |                              |   |
| Technician - Landfill                   | 6.8 | hours | \$38.00 | \$258 | \$0   | 2 hrs/insp x 1.7 insp/year x 2 per crew =                                      | 6.8 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst     | 6.8 | hours | \$38.00 | \$258 | \$0   | 2 hrs/insp x 1.7 insp/year x 2 per crew =                                      | 6.8 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing          | 1.5 | hours | \$38.00 | \$57  | \$0   | 3 hrs/insp x 2.0 insp/year x 2 per crew/                                       | 8 facility units = 1.5 hours | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst       | 7.2 | hours | \$38.00 | \$274 | \$0   | 2 hrs/insp x 1.8 insp/year x 2 per crew =                                      | 7.2 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event          | 0   | hours | \$38.00 | \$0   | \$0   | included above   |                              | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections           |     |       |         | \$847 | \$0   | SLF 12 post-closure inspections  |                              |   |
| Perpetual Care                          |     |       |         |       |       | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plan |                              |   |
| Technician - Landfill                   | 4.0 | hours | \$38.00 | \$0   | \$152 | 2 hrs/insp x 1.0 insp/year x 2 per crew =                                      | 4.0 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst     | 4.0 | hours | \$38.00 | \$0   | \$152 | 2 hrs/insp x 1.0 insp/year x 2 per crew =                                      | 4.0 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing          | 1.0 | hours | \$38.00 | \$0   | \$38  | 4 hrs/insp x 1.0 insp/year x 2 per crew/                                       | 8 facility units = 1.0 hours | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst       | 4.2 | hours | \$38.00 | \$0   | \$160 | 2 hrs/insp x 1.04 insp/year x 2 per crew =                                     | 4.2 hours                    | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event          | 0.0 | hours | \$38.00 | \$0   | \$0   | included above   |                              | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care |     |       |         | \$0   | \$502 | SLF 12 perpetual care inspections  |                              |   |
| (Subt: Assemb PCC-5.1 thru 5.1)         |     |       |         | \$847 | \$502 | SLF 12 visual inspections  |                              |   |

|                                 |      |    |         |         |         |  |         |                           |
|---------------------------------|------|----|---------|---------|---------|--|---------|---------------------------|
| PCC-5.2 Perimeter Fence Maint.  |      |    |         |         |         | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected              |         |                           |
| Replacement of Fencing          | 79.2 | LF | \$20.00 | \$1,584 | \$1,584 | 31680 LF div by 8 units x 2% per year =  | 79.2 LF | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.   |      |    |         | \$1,584 | \$1,584 | SLF 12 share of perimeter fence inspection & replacement   |         |                           |
| (Subt: Assemb PCC-5.2 thru 5.2) |      |    |         | \$1,584 | \$1,584 | SLF 12 share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equa |         |                           |

|                                |      |       |          |         |       |   |             |   |
|--------------------------------|------|-------|----------|---------|-------|---|-------------|---|
| PCC-5.3 Groundwater Monitoring |      |       |          |         |       | sampling crew composed of two technicians; 21 monitoring wells (20 for unit + 1 upgradient) |             |   |
| Monit'g Events & Samples/Event |      |       |          |         |       | 0.0 quart'ly + 34.0 semi-ann + 4.0 b-ann'l x 1.05 each =                                    | 37.8 samp   | includes 5% QA sampling                                   |
| Post-Closure                   |      |       |          |         |       |   |             |   |
| Technician                     | 75.6 | hours | \$38.00  | \$2,873 | \$0   | 37.8 samps @ 1.0 hrs/samp x 2 per crew =  | 75.6 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies              | 37.8 | samp  | \$25.00  | \$945   | \$0   | 37.8 samps  |             | bottles, shipping supplies                                |
| VOCs                           | 37.8 | samp  | \$105.00 | \$3,969 | \$0   | 37.8 samps  |             | Average of three quotes                                   |
| Subt - GW Monitoring           |      |       |          | \$7,787 | \$0   | post closure groundwater monitoring   |             |   |
| Monit'g Events & Samples/Event |      |       |          |         |       | 21.0 wells @ sample/5 years 1.05 each =   | 4.4 samp/yr |   |
| Perpetual Care                 |      |       |          |         |       | Perpetual care groundwater monitoring once every five years                                 |             |   |
| Technician                     | 8.8  | hours | \$38.00  | \$0     | \$334 | 4.4 samps @ 1.0 hrs/samp x 2 per crew =   | 8.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies              | 4.4  | samp  | \$25.00  | \$0     | \$110 | 4.4 samples   |             | bottles, shipping supplies                                |
| VOCs                           | 4.4  | samp  | \$105.00 | \$0     | \$462 | 4.4 samples   |             | Average of three quotes                                   |
| Subt - GW Monitoring           |      |       |          | \$0     | \$906 | perpetual care groundwater monitoring   |             |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-5: SLF 12

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                |
|---|--------------------|-----------------|-------------|---|--|--|--|
| PCC-5.4 Outfalls 002,003,004 SPDES Mon    |                    |                 |             |   |  | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Weekly Sampling Events                    |                    |                 |             |   |  | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                | 39                 | hours           | \$38.00     | \$1,482   | \$1,482  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         |  |
| Pickup Truck                              | 39                 | hours           | \$10.45     | \$408   | \$408  | 39.0 hours   |  |
| Sampling Equipment                        | 39                 | hours           | \$5.00      | \$195   | \$195  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5               | samp            | \$5.00      | \$98  | \$98   | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5               | samp            | \$10.67     | \$208   | \$208  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5               | samp            | \$13.33     | \$260   | \$260  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2               | samp            | \$13.33     | \$216   | \$216  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2               | samp            | \$15.00     | \$243   | \$243  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1               | samp            | \$13.33     | \$1,015   | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5                | samp            | \$31.67     | \$143   | \$143  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5                | samp            | \$17.50     | \$79  | \$79   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5                | samp            | \$22.67     | \$102   | \$102  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9                  | samp            | \$105.00    | \$945   | \$945  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9                  | samp            | \$40.00     | \$360   | \$360  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5                | samp            | \$26.67     | \$120   | \$120  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5               | samp            | \$133.33    | \$2,600   | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0                  | samp            | \$86.67     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9                  | samp            | \$75.00     | \$675   | \$675  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0                  | samp            | \$75.00     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5               | samp            | \$5.00      | \$98  | \$98   |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |                    |                 |             | \$9,403   | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
| PCC-5.4a Discharge Monitoring Report      |                    |                 |             |   |  | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                         | 3                  | hours           | \$130.00    | \$390   | \$390  | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                  | 6                  | hours           | \$45.00     | \$270   | \$270  | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report        |                    |                 |             | \$660   | \$660  | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| (Subt: Assemb PCC-5.3 thru 5.4a)          |                    |                 |             | \$17,850  | \$10,970   | SLF 12 groundwater & stormwater monitoring activities  |  |
| PCC-5.5 Landfill Cover Maint.             |                    |                 |             |   |  |  |  |
| Replacement of Cover                      | 0.211              | acre            | \$20,973.33 | \$4,425   | \$4,425  | 22.1 acre @ 1.0% per year = 0.221 acres/yr   | unit price based upon vegetation, topsoil, from RMU-1,     |
| Subt - Landfill Cover Maint.              |                    |                 |             | \$4,425   | \$4,425  | SLF 12 upper cap maintenance and replacement   | Assemblies 14.17 thru 14.18                                |
| PCC-5.6 Mowing/Grooming                   |                    |                 |             |   |  |  |  |
| Mowing                                    | 962.0              | MSF             | \$3.21      | \$3,091   | \$3,091  | 962.0 MSF @ 1.0 per year = 962.0 MSF   | DEC 2004 rate * deflator (2004-2010)                       |
| Fertilizing                               | 192.4              | MSF             | \$3.82      | \$735   | \$735  | 962.0 MSF @ 1.0 per 5.0 years = 192.4 MSF  | DEC 2004 rate * deflator (2004-2010)                       |
| Subt - Mowing/Grooming                    |                    |                 |             | \$3,826   | \$3,826  | SLF 12 mowing and fertilizing  |  |
| (Subt: Assemb PCC-5.5 thru 5.6)           |                    |                 |             | \$8,251   | \$8,251  | SLF 12 cap maintenance activities: post-closure & perpetual care frequency are equa                |  |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-5: SLF 12

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|--|--------------------|-----------------|-------------|---|--|---|---|
| <b>PCC-5.7 Leachate System Mgmt</b>      |                    |                 |             |   |  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours                                    |   |
| Leachate Treatment                       | 47280              | gal             | \$0.1526    | \$7,214   | 0  | 47,280 gals estimated annual leachate volume based average previous 5-years post closure                    | unit price derived from AWTS O&M model                                |
| Leachate Treatment - Perpetual Care      | 47280              | gal             | \$0.1526    | \$0   | \$7,214  | 47,280 gals estimated annual leachate volume based average previous 5-years post closure                    |   |
| Leach Treat Syst. Capital Repl Cost      | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                        | DEC estimate of AWTS capital replacement costs @ 25 yrs               |
| Laborer                                  | 24                 | hours           | \$39.00     | \$936   | \$936  | 2 hrs/mon x 12 mon/year = 24 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Technician                               | 24                 | hours           | \$38.00     | \$912   | \$912  | 2 hrs/mon x 12 mon/year = 24 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Leachate VOC Samp & Analysis             | 4.2                | sample          | \$105.00    | \$441   | \$441  | 4 sumps x 1.05 per sump = 4.2 samples   | average of 3 third party quotes                                       |
| Leachate Organic Priority Pollutant      | 4.2                | sample          | \$633.33    | \$2,660   | \$2,660  | 4 sumps x 1.05 per sump = 4.2 samples   | average of 3 third party quotes                                       |
| Leachate Metals Samp & Analysis          | 4.2                | sample          | \$155.00    | \$651   | \$651  | 4 sumps x 1.05 per sump = 4.2 samples   | average of 3 third party quotes                                       |
| Electrical Costs - Pumps                 | 32.1               | KWH             | \$0.086     | \$3   | \$3  | 28.7 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 32.1 KWH   | 2004 DEC Rate * Implicit Deflator                                     |
| Replacement of Main Pump T-150           | 0.2                | pump            | \$12,000    | \$2,400   | \$2,400  | 1 pump per 5 years = 0.2 pumps  | 250 gpm, 5 hp pump, Site Experience                                   |
| Replace Primary Sump Pumps               | 0.5                | pump            | \$1,382     | \$691   | \$691  | 4 pumps x 12.5% pu/yr = 0.5 pumps   | 1.5 hp submersible pump, site experience                              |
| Replace Secondary Sump Pumps             | 0.5                | pump            | \$850       | \$425   | \$425  | 4 pumps x 12.5% pu/yr = 0.5 pumps   | 4" subm pump, 0.5 hp, , site experience                               |
| Replacement of Pump Dischg Hose          | 1                  | hose            | \$211.54    | \$212   | \$212  | 1 pumps x 1 per pump = 1 hoses  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Pumps/Hoses                  | 10                 | CF              | \$12.45     | \$125   | \$125  | 1 pu/hos @ 10 CF/pump = 10 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replacement of Piping - 2"/4"            | 26                 | LF              | \$53.25     | \$1,385   | \$1,385  | 2,600 LF @ 1.0% per year = 26.0 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 2"/4"               | 8.6                | CF              | \$12.45     | \$107   | \$107  | 26.0 LF @ 0.33 CF/LF = 8.6 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 4"/8" & 6"/10"          | 26                 | LF              | \$73.50     | \$1,911   | \$1,911  | 2,600 LF @ 1.0% per year = 26.0 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 4"/8" & 6"/10"      | 13                 | CF              | \$12.45     | \$162   | \$162  | 26.0 LF @ 0.50 CF/LF = 13.0 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 6" Steel                | 4                  | LF              | \$89.45     | \$358   | \$358  | 400 LF @ 1.0% per year = 4.0 LF/yr  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 6" Steel            | 2                  | CF              | \$12.45     | \$25  | \$25   | 4.0 LF @ 0.50 CF/LF = 2.0 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Subt - Leachate Coll Syst Mgmt           |                    |                 |             | \$38,258  | \$38,258   | annual O&M costs plus capital replacement of treatment system, pumps, and piping                            |   |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-5.7a AWTS Operation</b>           |                    |                 |             |   |  | Shift operation of the AWTS for 12 months   | no DEC estimate for this activity: DEC Estimate included in unit rate |
| Material handler/basic labor             | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Maintenance/basic labor                  | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Operator/technician                      | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Laboratory/technician                    | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| AWT Foreman/Supervisor                   | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Subt - AWTS Operation                    |                    |                 |             | \$92,049  | \$92,049   | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site |   |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-5.7b Site Waters Treatment</b>    |                    |                 |             |   |  |   |   |
| Leachate Treatment - Post Closure        | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Leachate Treatment - Perpetual Care      | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Tank Trailer (5,500 gals) Collect        | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Road Tractor (4 x 2, 30 ton) Transport   | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                            |
| Tank Trailer (5,500 gals) Transport      | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Tank Trailer (5,500 gals) Fill T-100     | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Subt - Site Waters Treatment             |                    |                 |             | \$9,199   | \$9,199  | SLF-12 share of annual site waters collection & treatment: post-closure & perpetual care frequency are equa | Labor included in PCC-1.7a  |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-5.7c Batch Tank Qualification</b> |                    |                 |             |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds   | To Meet LDR requirements  |
| VOCs (624)                               | 3.4                | samp            | \$105.00    | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     |   |
| Semi-volatile organics (625)             | 3.4                | samp            | \$208.33    | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| PCBs (608) (MDL 65 PPT (ng/l))           | 3.4                | samp            | \$133.33    | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Priority Pollutant Metals (200.7)        | 3.4                | samp            | \$188.00    | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Mercury (245.1)                          | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Sulfides                                 | 3.4                | samp            | \$25.00     | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Cyanide                                  | 3.4                | samp            | \$35.00     | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples                                     | monthly: Average of three quotes                                      |
| Subt - Batch Tank Qualification          |                    |                 |             | \$2,465   | \$2,465  | SLF-12 share of annual batch tank qualification   | Samples collected by lab technician                                   |

Overall Site-Wide Post Closure Cost Estimate  
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| Basic Closure Activities: Direct Costs                     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                                    | In-house Pricing References                              |
|--|--------------------|-----------------|------------|---|--|---|--|
| <b>PCC-5.7d Pond Sampling &amp; Analysis (Outfall 001)</b> |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew                    | SPDES PreQual Sampling of Outfall 001 prior to discharge |
| Batch Sampling Events                                      |                    |                 |            |   |  | 1 events @ 3 samp/evnt= 3 samples   | sampling & analysis prior to pond discharge              |
| Technician   | 2.6                | hours           | \$38.00    | \$99  | \$99   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 3 units/crew = 18.0 hrs/7 units = 2.6 hrs              | technician rate: rate 2011 3rd party quote               |
| Sampling Equipment   | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 1 units/crew = 6.0 hrs/ 7 units = 0.9 hrs              | boat, samplers, meters, etc.                             |
| Sampling Supplies  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | bottles, shipping supplies                               |
| pH   | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Specific Conductance                                       | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Temperature  | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment  | Obtained using field equipment                           |
| Dissolved Oxygen   | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment  | Obtained using field equipment                           |
| Total Dissolved solids (TDS)                               | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| TDVS (total dissolved volatile solids)                     | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Alkalinity as CaCO3  | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| TOC  | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Ca/Mg Hardness (200.7)                                     | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Total Suspended Solids (TSS)                               | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Settleable Solids  | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Ammonia (NH3)  | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Phosphorous  | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| TON (TKN-NH3)  | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Cyanide  | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Sulfates   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Sulfides   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Surfactants (MBAS)   | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| BOD-5  | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Fluoride   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Chlorine   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Residual Chlorine  | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| NO2  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| NO3  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| VOCs (624)   | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Semi-volatile organics (625)                               | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))                  | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Oil & Grease (1631)  | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| total Phenols  | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Priority Pollutant Metals (200.7) *                        | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Mercury (245.1)  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Mercury (1631B)  | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples  | analytical price: average of three quotes                |
| Acute Toxicity/Bioassy                                     | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples  | One quote: actual cost for 2010                          |
| Subt - Pond Sampling & Analysis                            |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge                 |  |
| <b>PCC-5.7e Pond S&amp;A Certification &amp; Report</b>    |                    |                 |            |   |  | one event per year for divers to check discharge pipe; one predischage qualification report |  |
| Divers (Sr. Technicians)                                   | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |  |
| SCBA Gear (2 units)  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |  |
| Laborer (Surface Support)                                  | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |  |
| Underwater Inspection                                      | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @ 1 event per year/ 7 units = 0.15 events                                 | Based on 2010 site rate of \$3,500                       |
| Engineer (Report)  | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @ 40 hrs/event = 40.0 hours @ 1 units/crew = 40.0 hours/7 units = 5.7              | Eng Rate: rate 2011 3rd party quote                      |
| Subt - S&A Cert'n & Report                                 |                    |                 |            | \$1,341   | \$1,341  | diver(s) to check discharge pipe; also engineer's predischage qualification report          | Fac Pond 8 out of service empty                          |



Overall Site-Wide Post Closure Cost Estimate  
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PCC-5: SLF 12

| Basic Closure Activities: Direct Costs               | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|---|--|--|---|
| <b>PCC-5.7f Empty (Pump) FAC Pond to Outfall 001</b> |                    |                 |            |   |  |  |   |
| <i>FAC Pond 1/2 Inventory in Gallons</i>             | 2750618.0          | <i>gals</i>     | <i>n/a</i> |   |  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M                                 | Treated wastewater from all 7 units                           |
| Labor to pump/discharge                              |                    | day hrs         | <i>n/a</i> | \$0   | \$0  | 45.8 <i>total hours req'd to pump</i>  | & site waters   |
| Tech/Sampler (day shift only)                        |                    | day hrs         | \$38.00    | \$0   | \$0  | Included in PCC-5.7a above   |   |
| Settleable Solids                                    | 1.6                | samp            | \$13.33    | \$21  | \$21   | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples  | analytical price: average of three quotes                     |
| Dissolved Oxygen                                     | 1.0                | samp            | -          | \$0   | \$0  | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples   | analytical price: average of three quotes                     |
| Sulfide (total)                                      | 1.0                | samp            | \$25.00    | \$25  | \$25   | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples   | analytical price: average of three quotes                     |
| Discharge Pump (6"/1,000 gal/min)                    | 6.5                | total hrs       | \$12.34    | \$80  | \$80   | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs   | RSM/HC p. 475 (line item 01 54 33 70 1300)                    |
| Discharge Pipe (6" Diam/3,000 LF)                    | 19628.0            | foot-hrs        | \$0.0110   | \$216   | \$216  | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628  | RSM/HC p. 475 (line item 01 54 33 70 0300)                    |
| Subtotal - Pump FAC Pond 1/2                         |                    |                 |            | \$342   | \$342  | transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)  |   |
| <i>(Subt: Assemb PCC-5.7 thru 5.7f)</i>              |                    |                 |            | \$145,008   | \$145,008  | SLF 12 share of annual O&M and capital costs for leachate collection & treatment: post-closure & perpetual care frequency are equa |   |
| <b>PCC-5.8 N/A</b>                                   |                    |                 |            |   |  |  |   |
| Subt - N/A   |                    |                 |            | \$0   | \$0  |  |   |
| <b>PCC-5.9 N/A</b>                                   |                    |                 |            |   |  |  |   |
| Subt - N/A   |                    |                 |            | \$0   | \$0  |  |   |
| <b>PCC-5.10 N/A</b>                                  |                    |                 |            |   |  |  |   |
| Subt - N/A   |                    |                 |            | \$0   | \$0  |  |   |
| <i>(Subt: Assemb PCC-5.8 thru 5.10)</i>              |                    |                 |            | \$0   | \$0  | SLF 12 share of annual leachate transport costs - n/a, as leachate pumped directly to the AWTS                                     |   |
| <b>PCC-5.11 Tank Assessments</b>                     |                    |                 |            |   |  |  |   |
| <i>Internal &amp; External Inspections</i>           |                    |                 |            |   |  | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs                               |   |
| Engineer - Inspection                                | 3.7                | Hour            | \$130.00   | \$481   | \$481  | 16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Inspection                              | 7.3                | Hour            | \$38.00    | \$277   | \$277  | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Engineer - Reporting @ 50%                           | 1.8                | Hour            | \$130.00   | \$234   | \$234  | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - Tank Assessments                              |                    |                 |            | \$992   | \$992  | inspection of 16 tanks   |   |
| <b>PCC-5.12 Tank Assessments</b>                     |                    |                 |            |   |  |  |   |
| <i>External Only Inspections</i>                     |                    |                 |            |   |  | thirty (32) tanks requiring only external inspections once every five years by 1 PE  |   |
| Engineer - Inspection                                | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 30 tanks @ 5 yr inspect = 6.0 tnks/yr @ 7 areas = 0.9 tnks/yr  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Inspection                              | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Engineer - Reporting @ 50%                           | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Subt - Tank Assessments                              |                    |                 |            | \$663   | \$663  | inspection of 32 tanks   |   |
| <i>(Subt: Assemb PCC-5.11 thru 5.12)</i>             |                    |                 |            | \$1,655   | \$1,655  | SLF 12 share of annual tank assessment costs: post-closure & perpetual care frequency are equa                                     |   |
| <b>PCC-5.13 Replace Mon Well Pump</b>                |                    |                 |            |   |  |  |   |
| Replace Mon Well Pumps                               | 0.52               | pump            | \$900.00   | \$468   | \$468  | 21 pumps @ 2.5% per year = 0.52 pumps/yr   | Site experience third party costs                             |
| Technician   | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year   | third party labor costs                                       |
| Disposal of Pumps                                    | 0.52               | CF              | \$12.45    | \$6   | \$6  | 0.52 pumps @ 1.0 CF/pump = 0.52 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Concrete Pads                        | 0.52               | pad             | \$131.50   | \$68  | \$68   | 21 pads @ 2.5% per year = 0.52 pads/yr   | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Well Surface Concrete                    | 1.04               | CF              | \$12.45    | \$13  | \$13   | 0.52 pads @ 2.0 CF/pad = 1.04 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Covers                               | 0.52               | each            | \$371.63   | \$193   | \$193  | 21 covers @ 2.5% per year = 0.52 covers/yr   | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Mon Well Covers                          | 0.26               | CF              | \$12.45    | \$3   | \$3  | 0.52 covers @ 0.5 CF/cover = 0.26 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Subt - Replace Mon Well Pumps                        |                    |                 |            | \$828   | \$828  | monitoring well pump maintenance and replacement   |   |
| <i>(Subt: Assemb PCC-5.13 thru 5.13)</i>             |                    |                 |            | \$828   | \$828  | SLF 12 mon well pump maintenance & replacement: post-closure & perpetual care frequency are equa                                   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-5: SLF 12

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|--|--------------------|-----------------|------------|---|--|---|---|
| PCC-5.14 Drainage Ditch Repair         |                    |                 |            |   |  | ditches estimated to be 10 feet in width  |   |
| SLF 12 Drainage Ditches                |                    |                 |            |   |  | 10280 LF  | drainage ditches specific to SLF 12 unit                  |
| Facility-wide Drainage Ditches         |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility        |
| Drainage Ditch Repair                  | 0.03               | acre            | \$5,698.00 | \$171   | \$171  | 13,105 LF x 10 ft/LF = 1.659 acres @ 1.0% per year = 0.030 acres                                  | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20) |
| Rip-Rap Downchute Channel Repair       | 33.3               | SY              | \$44.30    | \$1,475   | \$1,475  | 400 LF x 15 FT/LF @ 6000.0 sf (1' dp) x 5.0% per year = 33.3 SY                                   | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)   |
| Subt - Drainage Ditch Repair           |                    |                 |            | \$1,646   | \$1,646  | stormwater drainage ditch repair  |   |
|  |                    |                 |            |   |  |   |   |
|  |                    |                 |            |   |  |   |   |
| PCC-5.15 Drainage Ditch Cleaning       |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep.                     |   |
| SLF 12 Drainage Ditches                |                    |                 |            |   |  | 10280 LF  | drainage ditches specific to SLF 12 unit                  |
| Facility-wide Drainage Ditches         |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility        |
| Drainage Ditch Sediment Cleaning       | 16.2               | CY              | \$2.38     | \$39  | \$39   | 13,105.0 LF x 10.0 ft/LF x 0.333 feet (4") = 1616 CY @ 1%/yr = 16.2 CY                            | unit price based upon FAC Ponds 1/2 excavation (6.11)     |
| Transportation of Ditch Sediment       | 5.5                | miles           | \$3.25     | \$18  | \$18   | 21.9 tons @ 20 tons/load = 1.1 loads @ 5 miles per load = 5.5 miles                               | unit price based upon FAC Ponds 1/2 transportation (6.13) |
| Disposal of Ditch Sediment             | 21.9               | ton             | \$35.00    | \$767   | \$767  | 16.2 CY @ 1.35 ton/CY = 21.9 tons   | unit price based upon FAC Ponds 1/2 disposal (6.14)       |
| Subt - Drainage Ditch Cleaning         |                    |                 |            | \$823   | \$823  | stormwater drainage ditch cleaning  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-5.16 Basin Cleaning                |                    |                 |            |   |  | sediment estimated to be 4 inches deep.   |   |
| Basin No. 1                            |                    |                 |            |   |  | 140625 SF div by 8 units = 17578 SF   |   |
| Basin No. 2                            |                    |                 |            |   |  | 150000 SF div by 8 units = 18750 SF   |   |
| Basin Sediment Cleaning                | 89.6               | CY              | \$2.38     | \$213   | \$213  | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY                                   | unit price based upon FAC Ponds 1/2 excavation (6.11)     |
| Transportation of Basin Sediment       | 30.0               | miles           | \$3.25     | \$98  | \$98   | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles                                   | unit price based upon FAC Ponds 1/2 excavation (6.13)     |
| Disposal of Basin Sediment             | 121.0              | ton             | \$35.00    | \$4,235   | \$4,235  | 89.6 CY @ 1.35 ton/CY = 121.0 tons  | unit price based upon FAC Ponds 1/2 excavation (6.14)     |
| Subt--Basin Cleaning                   |                    |                 |            | \$4,546   | \$4,546  | facility stormwater basin cleaning  |   |
|  |                    |                 |            |   |  |   |   |
| PCC-5.17 Culvert Maint/Replace         |                    |                 |            |   |  | avg culvert = 25' (SLF 11) & 40' (sitewide); various diameters                                    |   |
| SLF 12 Culverts                        |                    |                 |            |   |  | 10 culverts x 25 feet long = 250 LF   | culverts specific to SLF 12unit                           |
| Facility-wide Culverts                 |                    |                 |            |   |  | 20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF                                       | culverts in non-specific areas of facility                |
| Culvert Cleaning - 8" diameter avg     | 350                | LF              | \$2.14     | \$748   | \$748  | 350.0 LF  | DEC 2004 rate * deflator (2004-2010)                      |
| Repl Culvert - 8" diam avg (SLF 10)    | 25                 | LF              | \$11.61    | \$290   | \$290  | 25.0 LF   | DEC 2004 rate * deflator (2004-2010)                      |
| Repl Culv't - 18" diam avg (sitewide)  | 40                 | LF              | \$22.35    | \$894   | \$894  | 40.0 LF   | DEC 2004 rate * deflator (2004-2010)                      |
| Replace Culvert - Ditch Excavation     | 48.8               | CY              | \$2.96     | \$145   | \$145  | 65.0 LF x 0.75 CY/LF = 48.8 CY  | DEC 2004 rate * deflator (2004-2010)                      |
| Replace Culvert - Bkfill/Compaction    | 48.8               | CY              | \$3.86     | \$189   | \$189  | 48.8 CY   | DEC 2004 rate * deflator (2004-2010)                      |
| Subt - Culvert Maint/Replacement       |                    |                 |            | \$2,266   | \$2,266  | culvert maintenance and replacement   |   |
| (Subt: Assemb PCC-5.14 thru 5.17)      |                    |                 |            | \$9,281   | \$9,281  | SLF 12 storm drainage maintenance & replacement: post-closure & perpetual care frequency are equa |   |
|  |                    |                 |            |   |  |   |   |
| PCC-5.18 Road Maint/Replace            |                    |                 |            |   |  | gravel roads = 15 feet wide; asphalt roads = 20 feet wide   |   |
| SLF 12 Gravel Roads                    |                    |                 |            |   |  | 6080 LF x 15 feet wide = 10133 SY @ 5% per year = 506.65 SY                                       |   |
| Facility-wide Asphalt Roads            |                    |                 |            |   |  | 21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF                                     | asphalt roads in non-specific areas of facility           |
| SLF 12 Gravel Road Repair              | 506.65             | SY              | \$3.12     | \$1,582   | \$1,582  | 506.65 SY   | DEC 2004 rate * deflator (2004-2010)                      |
| Facility-wide Asphalt Roads            | 528                | SF              | \$1.35     | \$712   | \$712  | 4,224.0 SF div by 8 units = 528.0 SF  | DEC 2004 rate * deflator (2004-2010)                      |
| Subt - Road Maint/Replacement          |                    |                 |            | \$2,294   | \$2,294  | road maintenance and replacement  |   |
| (Subt: Assemb PCC-5.18 thru 5.18)      |                    |                 |            | \$2,294   | \$2,294  | SLF 12 road maintenance & replacement   |   |

Total Non-Super hours 203.9

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-5: SLF 12

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                       |
|--|--------------------|-----------------|------------|---|--|---|---|
| PCC-5.19 PPE Use/H&S Planning          |                    |                 |            |   |  | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                    | 19.1               | days            | \$0.00     | \$0   | \$0  | 203.9 hours @ 8 hr/day = 25.5 days @ 75% "D" days = 19.1 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                | 3.8                | days            | \$9.00     | \$34  | \$34   | 203.9 hours @ 8 hr/day = 25.5 days @ 15% "C" days = 3.8 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                    | 2.6                | days            | \$25.00    | \$65  | \$65   | 203.9 hours @ 8 hr/day = 25.5 days @ 10% "C" days = 2.6 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer                | 5.1                | hours           | \$75.00    | \$383   | \$383  | 203.9 hours @ 2.5% hr/hr = 5.1 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning          |                    |                 |            | \$482   | \$482  |   |   |
|  |                    |                 |            |   |  |   |   |
| PCC-5.20 Supervision                   |                    |                 |            |   |  |   |   |
| Foreman                                | 0                  | hours           | \$65.00    | \$0   | \$0  | Included in PCC-5.7a AWTS Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                   | 0                  | hours           | \$75.00    | \$0   | \$0  | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                 |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-5.19 thru 5.20)      |                    |                 |            | \$482   | \$482  | supervision, health & safety, and certification   |   |
| PCC 5: SLF 12 Direct Cost              |                    |                 |            | \$188,081   | \$180,855  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

|                                  |                                 |  |                                       |   |
|----------------------------------|---------------------------------|--|---------------------------------------|---|
| PCC-5: SLF 12                    |                                 |  |                                       |   |
| Total Cost Summary               |                                 |  |                                       |   |
| Cost Category                    | Proposed Percent of Direct Cost | Proposed Annual Cost Post - Closure Period | Proposed Cost - Annual Perpetual Care | Cost Range  |
| Direct Costs                     |                                 | \$188,081                                  | \$180,855                             |   |
|                                  |                                 |  |                                       |   |
| Plus Indirect Costs/Profit:      |                                 |  |                                       |   |
| Site Activity Management Costs   | 3.00%                           | \$5,642                                    | \$5,426                               | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                           | \$7,523                                    | \$7,234                               | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                           | \$1,881                                    | \$1,809                               | For post-closure, design costs minimal and included in Assb 5.20. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                           | \$1,881                                    | \$1,809                               | For post-closure, design costs minimal and included in Assb 5.20. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                           | \$11,285                                   | \$10,851                              | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                          | \$28,212                                   | \$27,128                              |   |
|                                  |                                 |  |                                       |   |
| Subtotal - Direct/Indirect Costs |                                 | \$216,293                                  | \$207,983                             |   |
|                                  |                                 |  |                                       |   |
| Plus Contingency                 | 15.00%                          | \$32,444                                   | \$31,197                              | DEC uses 15% applied to total cost  |
|                                  |                                 |  |                                       |   |
| Total - PCC-5: SLF 12            |                                 | \$248,737                                  | \$239,180                             |   |
|                                  |                                 |  |                                       |   |

SLF 12 Years of Post Closure

Years Since Closure

16

Post Closure Years Remaining

14

|                                    |  |             |
|------------------------------------|--|-------------|
| Post Closure Costs Remaining Years |  | \$3,482,318 |
| Post Closure Costs 30-Years        |  | \$7,462,111 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price          | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                   |
|---|--------------------|-----------------|---------------------|---|--|---|---|
| RMU-1 Parameters - Area47.35 acres = 229172 SY = 2062550 SF = 2063 MSF31680 LF (6 Mi.) = total est'd perimeter fencing for eight (8) SLFs |                    |                 |                     |   |  |   |   |
| RMU-1 Parameters - Fencing3960 LF = portion of perimeter fencing for RMU-1  |                    |                 |                     |   |  |   |   |
| RMU-1 Years of Post Closure   | Closure            | N/A             | Years Since Closure | N/A   | 30   |   |   |
| <b>PCC-6.1 Annual Visual Inspections</b>  |                    |                 |                     |   |  | make visual inspections and log results; two persons required   |   |
| <i>Post-Closure</i>   |                    |                 |                     |   |  |   |   |
| Technician - Landfill   | 6.8                | hours           | \$38.00             | \$258   | \$0  | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst   | 6.8                | hours           | \$38.00             | \$258   | \$0  | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing  | 1.5                | hours           | \$38.00             | \$57  | \$0  | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours                                     | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst   | 7.2                | hours           | \$38.00             | \$274   | \$0  | 2 hrs/insp x 1.8 insp/year x 2 per crew = 7.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event  | 0                  | hours           | \$38.00             | \$0   | \$0  | included above  | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections   |                    |                 |                     | \$847   | \$0  | RMU-1 post-closure inspections  |   |
| <i>Perpetual Care</i>   |                    |                 |                     |   |  | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plar                            |   |
| Technician - Landfill   | 4.0                | hours           | \$38.00             | \$0   | \$152  | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst   | 4.0                | hours           | \$38.00             | \$0   | \$152  | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing  | 1.0                | hours           | \$38.00             | \$0   | \$38   | 4 hrs/insp x 1.0 insp/year x 2 per crew/ 8 facility units = 1.0 hours                                     | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst   | 4.2                | hours           | \$38.00             | \$0   | \$160  | 2 hrs/insp x 1.04 insp/year x 2 per crew = 4.2 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event  | 0.0                | hours           | \$38.00             | \$0   | \$0  | included above  | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care   |                    |                 |                     | \$0   | \$502  | RMU-1 perpetual care inspections  |   |
| (Subt: Assemb PCC-6.1 thru 6.1)   |                    |                 |                     | \$847   | \$502  | RMU-1 visual inspections  |   |
| <b>PCC-6.2 Perimeter Fence Maint.</b>   |                    |                 |                     |   |  | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected             |   |
| Replacement of Fencing  | 79.2               | LF              | \$20.00             | \$1,584   | \$1,584  | 31680 LF div by 8 units x 2% per year = 79.2 LF   | Site Experience 2010 Rate                                     |
| Subt - Perimeter Fence Maint.   |                    |                 |                     | \$1,584   | \$1,584  | RMU-1 share of perimeter fence inspection & replacement   |   |
| (Subt: Assemb PCC-6.2 thru 6.2)   |                    |                 |                     | \$1,584   | \$1,584  | RMU-1 share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equa |   |
| <b>PCC-6.3 Maint. Benchmarks/Surv</b>   |                    |                 |                     |   |  | Annual inspection only  |   |
| Maint of Benchmarks & Surveying   | 0                  | acres           | \$0.00              | \$0   | \$0  | Included in PCC-6.1   |   |
| Subt - Benchmarks & Surveying   |                    |                 |                     | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-6.3 thru 6.3)   |                    |                 |                     | \$0   | \$0  |   |   |
| <b>PCC-6.4 Groundwater Monitoring</b>   |                    |                 |                     |   |  | sampling crew composed of two technicians; 51 monitoring wells  |   |
| <i>Monit'g Events &amp; Samples/Event</i>   |                    |                 |                     |   |  | 0.0 quart'l'y + 102.0 semi-ann + 0.0 b-ann'l x 1.05 each = 107.1 samp                                     | includes 5% QA sampling                                       |
| <i>Post-Closure</i>   |                    |                 |                     |   |  |   |   |
| Technician  | 214.2              | hours           | \$38.00             | \$8,140   | \$0  | 107.1 samps @ 1.0 hrs/samp x 2 per crew = 214.2 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Sampling Supplies   | 107.1              | samp            | \$25.00             | \$2,678   | \$0  | 107.1 samps   | bottles, shipping supplies                                    |
| VOCs  | 107.1              | samp            | \$105.00            | \$11,246  | \$0  | 107.1 samps   | Average of three quotes                                       |
| Subt - GW Monitoring  |                    |                 |                     | \$22,063  | \$0  | post closure groundwater monitoring   |   |
| <i>Monit'g Events &amp; Samples/Event</i>   |                    |                 |                     |   |  | 51.0 wells @ sample/5 years 1.05 each = 10.7 samp/yr  |   |
| <i>Perpetual Care</i>   |                    |                 |                     |   |  | Perpetual care groundwater monitoring once every five years   |   |
| Technician  | 21.4               | hours           | \$38.00             | \$0   | \$813  | 10.7 samps @ 1.0 hrs/samp x 2 per crew = 21.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Sampling Supplies   | 10.7               | samp            | \$25.00             | \$0   | \$268  | 10.7 samples  | bottles, shipping supplies                                    |
| VOCs  | 10.7               | samp            | \$105.00            | \$0   | \$1,124  | 10.7 samples  | Average of three quotes                                       |
| Subt - GW Monitoring  |                    |                 |                     | \$0   | \$2,204  | perpetual care groundwater monitoring   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                |
|---|--------------------|-----------------|-------------|---|--|--|--|
| PCC-6.5 Outfalls 002,003,004 SPDES Mon    |                    |                 |             |   |  | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Weekly Sampling Events                    |                    |                 |             |   |  | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                | 39                 | hours           | \$38.00     | \$1,482   | \$1,482  | 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                                     |  |
| Pickup Truck                              | 39                 | hours           | \$10.45     | \$408   | \$408  |  |  |
| Sampling Equipment                        | 39                 | hours           | \$5.00      | \$195   | \$195  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5               | samp            | \$5.00      | \$98  | \$98   | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5               | samp            | \$10.67     | \$208   | \$208  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5               | samp            | \$13.33     | \$260   | \$260  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2               | samp            | \$13.33     | \$216   | \$216  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16 samp               | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2               | samp            | \$15.00     | \$243   | \$243  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16 samp               | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1               | samp            | \$13.33     | \$1,015   | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5                | samp            | \$31.67     | \$143   | \$143  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5                | samp            | \$17.50     | \$79  | \$79   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5                | samp            | \$22.67     | \$102   | \$102  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9                  | samp            | \$105.00    | \$945   | \$945  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9                  | samp            | \$40.00     | \$360   | \$360  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5                | samp            | \$26.67     | \$120   | \$120  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5               | samp            | \$133.33    | \$2,600   | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0                  | samp            | \$86.67     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9                  | samp            | \$75.00     | \$675   | \$675  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0                  | samp            | \$75.00     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5               | samp            | \$5.00      | \$98  | \$98   |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |                    |                 |             | \$9,403   | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
|   |                    |                 |             |   |  |  |  |
| PCC-6.5a Discharge Monitoring Report      |                    |                 |             |   |  | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                         | 3                  | hours           | \$130.00    | \$390   | \$390  | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                  | 6                  | hours           | \$45.00     | \$270   | \$270  | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report        |                    |                 |             | \$660   | \$660  | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| (Subt: Assemb PCC-6.4 thru 6.5a)          |                    |                 |             | \$32,126  | \$12,268   | RMU-1 groundwater & stormwater monitoring activities   |  |
| PCC-6.6 Landfill Cover Maint.             |                    |                 |             |   |  |  |  |
| Replacement of Cover                      | 0.2365             | acre            | \$20,973.33 | \$4,960   | \$4,960  | 47.35 acre @ 0.5% per year = 0.2365 acres/yr   | unit price based upon vegetation, topsoil, from RMU-1,     |
| Subt - Landfill Cover Maint.              |                    |                 |             | \$4,960   | \$4,960  | RMU-1 upper cap maintenance and replacement  | Assemblies 14.17 thru 14.18                                |
|   |                    |                 |             |   |  |  |  |
| PCC-6.7 Mowing/Grooming                   |                    |                 |             |   |  |  |  |
| Mowing                                    | 2062.2             | MSF             | \$3.21      | \$6,626   | \$6,626  | 2,062.6 MSF @ 1.0 per year = 2,062.2 MSF   | DEC 2004 rate * deflator (2004-2010)                       |
| Fertilizing                               | 412.5              | MSF             | \$3.82      | \$1,575   | \$1,575  | 2,062.6 MSF @ 1.0 per 5.0 years = 412.5 MSF  | DEC 2004 rate * deflator (2004-2010)                       |
| Subt - Mowing/Grooming                    |                    |                 |             | \$8,202   | \$8,202  | RMU-1 mowing and fertilizing   |  |
| (Subt: Assemb PCC-6.6 thru 6.7)           |                    |                 |             | \$13,162  | \$13,162   | RMU-1 cap maintenance activities: post-closure & perpetual care frequency are equa.                |  |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs         | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References   |
|--|--------------------|-----------------|-------------|---|--|---|---|
| <b>PCC-6.8 Leachate System Mgmt</b>            |                    |                 |             |   |  | operation time = 8 hours/day x 5 days/week x 50 weeks/year = 2,000 hours                                    |   |
| Leachate Treatment                             | 145867.1           | gal             | \$0.0178    | \$2,596   | \$0  | 145,867.1 gals estimated annual leachate volume based average prediction 0-30 years post closure            | unit price derived from AWTS O&M model                                |
| Leachate Treatment - Perpetual Care            | 26139.5            | gal             | \$0.0178    | \$0   | \$465  | 26,139.5 perpetual care average years 31-60   |   |
| Leach Treat Syst. Capital Repl Cost            | 1                  | LS              | \$17,642.00 | \$17,642  | \$17,642   | \$3,087 K div by 25 year life = \$123,495/yr div by 7 facility units = \$17,642 each                        | DEC estimate of AWTS capital replacement costs @ 25 yrs               |
| Laborer  | 48.0               | hours           | \$39.00     | \$1,872   | \$1,872  | 4 hrs/mon x 12 mon/year = 48 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Technician                                     | 48.0               | hours           | \$38.00     | \$1,824   | \$1,824  | 4 hrs/mon x 12 mon/year = 48 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Primary Leachate VOC Samp & Analysis           | 21.0               | sample          | \$105.00    | \$2,205   | \$2,205  | 10 sumps x 1.05 per sump x 2.0 event/yr = 21.0 samples  | Avg. of three lab quotes  |
| Primary Leachate Metals Samp & Analysis        | 21.0               | sample          | \$188.00    | \$3,948   | \$3,948  | 10 sumps x 1.05 per sump x 2.0 event/yr = 21.0 samples  | Avg. of three lab quotes  |
| Primary Leachate PCBs Samp & Anaylsis          | 21.0               | sample          | \$133.33    | \$2,800   | \$2,800  | 10 sumps x 1.05 per sump x 2.0 event/yr = 21.0 samples  | Avg. of three lab quotes  |
| Secondary Leachate VOC Samp & Analysis         | 21.0               | sample          | \$105.00    | \$2,205   | \$2,205  | 10 sumps x 1.05 per sump x 2.0 event/yr = 21.0 samples  | Avg. of three lab quotes  |
| Secondary Leachate Metals Samp & Analysis      | 10.5               | sample          | \$188.00    | \$1,974   | \$1,974  | 10 sumps x 1.05 per sump = 1.0 event/yr = 10.5 samples  | Avg. of three lab quotes  |
| Secondary Leachate PP Organics Samp & Analysis | 10.5               | sample          | \$633.33    | \$6,650   | \$6,650  | 10 sumps x 1.05 per sump = 1.0 event/yr = 10.5 samples  | Avg. of three lab quotes  |
| Electrical Costs - Pumps                       | 384.6              | KWH             | \$0.086     | \$33  | \$33   | 343.7 hr/yr x 1.5 hp/hr x 0.746 kw/hp = 384.6 KWH   | 2004 DEC Rate * Implicit Deflator                                     |
| Replacement of Main Pump T-160                 | 0.2                | pump            | \$14,425.00 | \$2,885   | \$2,885  | 1 pump per 5 years = 0.2 pumps  | 30 hp pump, site experience   |
| Replacement of Secondary Pump T-160            | 0.2                | pump            | \$2,456.00  | \$491   | \$491  | 1 pump per 5 years = 0.2 pumps  | 250 gpm, 5 hp pump, Site Experience                                   |
| Replace Primary Sump Pumps                     | 2.0                | pump            | \$1,382.00  | \$2,764   | \$2,764  | 10 pumps x 20.0% pu/yr = 2.0 pumps  | 1.5 hp submersible pump, site experience                              |
| Replace Secondary Sump Pumps                   | 1.5                | pump            | \$850.00    | \$1,275   | \$1,275  | 10 pumps x 15.0% pu/yr = 1.5 pumps  | 4" subm pump, 0.5 hp, , site experience                               |
| Replacement of Pump Dischg Hose                | 3.9                | hose            | \$211.54    | \$825   | \$825  | 3.9 pumps x 1 per pump = 3.9 hoses  | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Pumps/Hoses                        | 39.0               | CF              | \$12.45     | \$486   | \$486  | 3.9 pu/hos @ 10 CF/pump = 39 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replacement of Piping - 2"/4"                  | 21.0               | LF              | \$53.25     | \$1,118   | \$1,118  | 4,200 LF @ 0.5% per year = 21.0 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 2"/4"                     | 6.9                | CF              | \$12.45     | \$86  | \$86   | 21 LF @ 0.33 CF/LF = 6.9 CF   | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Replace Piping - 4"/8" & 6"/10"                | 27.0               | LF              | \$73.50     | \$1,985   | \$1,985  | 5,400 LF @ 0.5% per year = 27.0 LF/yr   | DEC 2004 rate * deflator (2004-2010)                                  |
| Disposal of Piping - 4"/8" & 6"/10"            | 13.5               | CF              | \$12.45     | \$168   | \$168  | 27 LF @ 0.50 LF/drum = 13.5 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010)         |
| Pipe Cleaning - 8" diameter                    | 1150.0             | LF              | \$2.14      | \$2,461   | \$2,461  | 2,300 LF @ 0.50 events/yr = 1150.0 LF   | DEC 2004 rate * deflator (2004-2010)                                  |
| Subt - Leachate Coll Syst Mgmt                 |                    |                 |             | \$58,293  | \$56,162   | annual O&M costs plus capital replacement of treatment system, pumps, and piping                            |   |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-6.8a AWTS Operation</b>                 |                    |                 |             |   |  | Shift operation of the AWTS for 12 months   | no DEC estimate for this activity: DEC Estimate included in unit rate |
| Material handler/basic labor                   | 274.3              | hours           | \$39.00     | \$10,698  | \$10,698   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Maintenance/basic labor                        | 548.6              | hours           | \$39.00     | \$21,395  | \$21,395   | 240 days @ 8 hours/day = 1920.0 hours @ 2 units/crew/7 units = 548.6 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Operator/technician                            | 834.3              | hours           | \$38.00     | \$31,703  | \$31,703   | 365 days @ 8 hours/day = 2920.0 hours @ 2 units/crew/7 units = 834.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Laboratory/technician                          | 274.3              | hours           | \$38.00     | \$10,423  | \$10,423   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| AWT Foreman/Supervisor                         | 274.3              | hours           | \$65.00     | \$17,830  | \$17,830   | 240 days @ 8 hours/day = 1920.0 hours @ 1 units/crew/7 units = 274.3 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote             |
| Subt - AWTS Operation                          |                    |                 |             | \$92,049  | \$92,049   | AWTS Operation - operation of AWTS for twelve (12) months during post closure or perpetual care of the site |   |
|  |                    |                 |             |   |  |   |   |
| <b>PCC-6.8b Site Waters Treatment</b>          |                    |                 |             |   |  |   |   |
| Leachate Treatment - Post Closure              | 201193.00          | gal             | \$0.0313    | \$6,297   | \$0  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Leachate Treatment - Perpetual Care            | 201193.00          | gal             | \$0.0313    | \$0   | \$6,297  | 1,408,349 gals average of past 5 years/ 7 units = 201,193 gallons   | unit price derived from AWTS model                                    |
| Tank Trailer (5,500 gals) Collect              | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Road Tractor (4 x 2, 30 ton) Transport         | 18.30              | hours           | \$32.45     | \$594   | \$594  | 1,408,349 gals @ 5500 gals/load = 256.1 loads @ 0.5 hrs/trip = 128 hrs/7 units = 18.3 hrs                   | RSM/HC p. 472 (line item 01 54 33 40 7410)                            |
| Tank Trailer (5,500 gals) Transport            | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Tank Trailer (5,500 gals) Fill T-100           | 121.90             | hours           | \$6.31      | \$769   | \$769  | 1,408,349 gals @ 1650 gals/hr = 853.5 per crew = 1.0 unit/crew = 853.5 hrs/7 units = 121.9 hrs              | RSM/HC p. 472 (line item 01 54 33 40 6900)                            |
| Subt - Site Waters Treatment                   |                    |                 |             | \$9,199   | \$9,199  | RMU-1 share of annual site waters collection & treatment: post-closure & perpetual care frequency are equa  | Labor included in PCC-1.7a  |
|  |                    |                 |             |   |  |   |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs                     | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                       | In-house Pricing References                              |
|--|--------------------|-----------------|------------|---|--|--|--|
| <b>PCC-6.8c Batch Tank Qualification</b>                   |                    |                 |            |   |  | 2 Batch Qualification tanks prior to discharge to facultative ponds            | To Meet LDR requirements                                 |
| VOCs (624)   | 3.4                | samp            | \$105.00   | \$357   | \$357  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        |  |
| Semi-volatile organics (625)                               | 3.4                | samp            | \$208.33   | \$715   | \$715  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| PCBs (608) (MDL 65 PPT (ng/l))                             | 3.4                | samp            | \$133.33   | \$457   | \$457  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Priority Pollutant Metals (200.7)                          | 3.4                | samp            | \$188.00   | \$645   | \$645  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Mercury (245.1)  | 3.4                | samp            | \$25.00    | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Sulfides   | 3.4                | samp            | \$25.00    | \$86  | \$86   | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Cyanide  | 3.4                | samp            | \$35.00    | \$120   | \$120  | 2 tanks @ 1 samp/tank/month @ 1 year = 24 samples/7 units = 3.4 samples        | monthly: Average of three quotes                         |
| Subt - Batch Tank Qualification                            |                    |                 |            | \$2,465   | \$2,465  | RMU-1 share of annual batch tank qualification                                 | Samples collected by lab technician                      |
| <b>PCC-6.8d Pond Sampling &amp; Analysis (Outfall 001)</b> |                    |                 |            |   |  | production rate = 2.0 hours per composite sample for a three-person crew       | SPDES PreQual Sampling of Outfall 001 prior to discharge |
| Batch Sampling Events                                      |                    |                 |            |   |  | 1 events @ 3 samp/evnt= 3 samples  | sampling & analysis prior to pond discharge              |
| Technician   | 2.6                | hours           | \$38.00    | \$99  | \$99   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 3 units/crew = 18.0 hrs/7 units = 2.6 hrs | technician rate: rate 2011 3rd party quote               |
| Sampling Equipment   | 0.9                | hours           | \$25.00    | \$23  | \$23   | 3 samps @ 2.0 hrs/samp = 6.0 hours @ 1 units/crew = 6.0 hrs/ 7 units = 0.9 hrs | boat, samplers, meters, etc.                             |
| Sampling Supplies  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | bottles, shipping supplies                               |
| pH   | 0.5                | samp            | \$10.67    | \$5   | \$5  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Specific Conductance                                       | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Temperature  | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment                                       | Obtained using field equipment                           |
| Dissolved Oxygen   | 0.5                | samp            | -          | \$0   | \$0  | 3 samples obtained using field equipment                                       | Obtained using field equipment                           |
| Total Dissolved solids (TDS)                               | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TDVS (total dissolved volatile solids)                     | 0.5                | samp            | \$23.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Alkalinity as CaCO3  | 0.5                | samp            | \$15.33    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TOC  | 0.5                | samp            | \$31.67    | \$16  | \$16   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Ca/Mg Hardness (200.7)                                     | 0.5                | samp            | \$24.33    | \$12  | \$12   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Total Suspended Solids (TSS)                               | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Settleable Solids  | 0.5                | samp            | \$13.33    | \$7   | \$7  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Ammonia (NH3)  | 0.5                | samp            | \$22.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Phosphorous  | 0.5                | samp            | \$20.00    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| TON (TKN-NH3)  | 0.5                | samp            | \$41.67    | \$21  | \$21   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Cyanide  | 0.5                | samp            | \$35.00    | \$18  | \$18   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Sulfates   | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Sulfides   | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Surfactants (MBAS)   | 0.5                | samp            | \$28.33    | \$14  | \$14   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| BOD-5  | 0.5                | samp            | \$30.00    | \$15  | \$15   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Fluoride   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Chlorine   | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Residual Chlorine  | 0.5                | samp            | \$15.00    | \$8   | \$8  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| NO2  | 0.5                | samp            | \$21.00    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| NO3  | 0.5                | samp            | \$19.33    | \$10  | \$10   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| VOCs (624)   | 0.5                | samp            | \$105.00   | \$53  | \$53   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Semi-volatile organics (625)                               | 0.5                | samp            | \$208.33   | \$104   | \$104  | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))                  | 0.5                | samp            | \$133.33   | \$67  | \$67   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Oil & Grease (1631)  | 0.5                | samp            | \$21.67    | \$11  | \$11   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| total Phenols  | 0.5                | samp            | \$26.67    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Priority Pollutant Metals (200.7) *                        | 0.5                | samp            | \$188.00   | \$94  | \$94   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Mercury (245.1)  | 0.5                | samp            | \$25.00    | \$13  | \$13   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Mercury (1631B)  | 0.5                | samp            | \$111.67   | \$56  | \$56   | 3 samples/ 7 units = 0.5 samples   | analytical price: average of three quotes                |
| Acute Toxicity/Bioassy                                     | 0.15               | samp            | \$3,800.00 | \$570   | \$570  | 1 sample/ 7 units = 0.15 samples   | One quote: actual cost for 2010                          |
| Subt - Pond Sampling & Analysis                            |                    |                 |            | \$1,353   | \$1,353  | one pond discharge (batch) requiring sampling & analysis prior to discharge    |  |



Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs                  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                               |
|---|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-6.8e Pond S&amp;A Certification &amp; Report</b> |                    |                 |            |   |  | one event per year for divers to check discharge pipe; one predischarge qualification report                                      |   |
| Divers (Sr. Technicians)                                | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |   |
| SCBA Gear (2 units)                                     | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |   |
| Laborer (Surface Support)                               | 0.0                | hours           | \$0.00     | \$0   | \$0  | Included in underwater inspection below   |   |
| Underwater Inspection                                   | 0.15               | each            | \$4,000.00 | \$600   | \$600  | \$4,000 per event @ 1 event per year/ 7 units = 0.15 events   | Based on 2010 site rate of \$3,500                        |
| Engineer (Report)                                       | 5.7                | hours           | \$130.00   | \$741   | \$741  | 1 events @ 40 hrs/event = 40.0 hours @ 1 units/crew = 40.0 hours/7 units = 5.7  | Eng Rate: rate 2011 3rd party quote                       |
| Subt - S&A Cert'n & Report                              |                    |                 |            | <b>\$1,341</b>  | <b>\$1,341</b>                                       | <i>diver(s) to check discharge pipe; also engineer's predischarge qualification report</i>  | Fac Pond 8 out of service empty                           |
| <b>PCC-6.8f Empty (Pump) FAC Pond to Outfall 001</b>    |                    |                 |            |   |  | prod'n rate = 960,000 gals/day = 60,000 gals/hr = 1,000 gals/min per facility est @ 16 hrs/day O&M                                | Treated wastewater from all 7 units                       |
| <i>FAC Pond 1/2 Inventory in Gallons</i>                | 2750618.0          | <i>gals</i>     | <i>n/a</i> |   |  | <i>45.8 total hours req'd to pump</i>   | & site waters   |
| Labor to pump/discharge                                 |                    | day hrs         | <i>n/a</i> | \$0   | \$0  | Included in PCC-6.8a above  |   |
| Tech/Sampler (day shift only)                           |                    | day hrs         | \$38.00    | \$0   | \$0  | Included in PCC-6.8a above  |   |
| Settleable Solids                                       | 1.6                | samp            | \$13.33    | \$21  | \$21   | 45.8 hours @ 1.0 sample per 4.0 hours = 11.5 samples /7 units = 1.6 samples   | analytical price: average of three quotes                 |
| Dissolved Oxygen  | 1.0                | samp            | -          | \$0   | \$0  | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples Field Measurement  | analytical price: average of three quotes                 |
| Sulfide (total)   | 1.0                | samp            | \$25.00    | \$25  | \$25   | 45.8 hours @ 1.0 sample per 80.0 hours = 1.0 samples  | analytical price: average of three quotes                 |
| Discharge Pump (6"/1,000 gal/min)                       | 6.5                | total hrs       | \$12.34    | \$80  | \$80   | 45.8 tot hrs @ 100% total time = 45.8 hours @ 1 units/crew = 45.8 hrs/ 7 units = 6.5 hrs  | RSM/HC p. 475 (line item 01 54 33 70 1300)                |
| Discharge Pipe (6" Diam/3,000 LF)                       | 19628.0            | foot-hrs        | \$0.0110   | \$216   | \$216  | 45.8 tot hrs @ 100% total time = 45.8 hours @ 3000 LF/crew = 137400 ft-hrs/7 units = 19,628                                       | RSM/HC p. 475 (line item 01 54 33 70 0300)                |
| Subtotal - Pump FAC Pond 1/2                            |                    |                 |            | <b>\$342</b>  | <b>\$342</b>   | <i>transfer contents of FAC Pond to discharge pipe to Niagara River (3,000 ft)</i>  |   |
| <i>(Subt: Assemb PCC-6.8 thru 6.8f)</i>                 |                    |                 |            | <b>\$165,043</b>  | <b>\$162,911</b>                                     | RMU-1 share of annual O&M and capital costs for leachate collection & treatment: post-closure & perpetual care frequency are equa |   |
| <b>PCC-6.9 N/A</b>                                      |                    |                 |            |   |  |   |   |
| Subt - N/A  |                    |                 |            | <b>\$0</b>  | <b>\$0</b>   |   |   |
| <b>PCC-6.10 N/A</b>                                     |                    |                 |            |   |  |   |   |
| Subt - N/A  |                    |                 |            | <b>\$0</b>  | <b>\$0</b>   |   |   |
| <b>PCC-6.11 N/A</b>                                     |                    |                 |            |   |  |   |   |
| Subt - N/A  |                    |                 |            | <b>\$0</b>  | <b>\$0</b>   |   |   |
| <i>(Subt: Assemb PCC-6.9 thru 6.11)</i>                 |                    |                 |            | <b>\$0</b>  | <b>\$0</b>   | RMU-1 share of annual leachate transport costs - n/a, as leachate pumped directly to the AWTS                                     |   |
| <b>PCC-6.12 Tank Assessments</b>                        |                    |                 |            |   |  | sixteen (16) tanks requiring internal & external inspections once every five years by 1 PE + 2 Techs                              |   |
| <i>Internal &amp; External Inspections</i>              |                    |                 |            |   |  | <i>16 tanks @ 5 yr inspect = 3.2 tnks/yr @ 7 areas = 0.5 tnks/yr</i>  |   |
| Engineer - Inspection                                   | 3.7                | Hour            | \$130.00   | \$481   | \$481  | 0.5 tanks/yr x 8 hrs/tnk x 1.0 per crew = 3.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                                 | 7.3                | Hour            | \$38.00    | \$277   | \$277  | 0.5 tanks/yr x 8 hrs/tnk x 2.0 per crew = 7.3 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%                              | 1.8                | Hour            | \$130.00   | \$234   | \$234  | 0.5 tanks/yr x 4 hrs/tnk x 1.0 per crew = 1.8 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                                 |                    |                 |            | <b>\$992</b>  | <b>\$992</b>   | <i>inspection of 16 tanks</i>   |   |
| <b>PCC-6.13 Tank Assessments</b>                        |                    |                 |            |   |  | thirty (32) tanks requiring only external inspections once every five years by 1 PE   |   |
| <i>External Only Inspections</i>                        |                    |                 |            |   |  | <i>30 tanks @ 5 yr inspect = 6.0 tnks/yr @ 7 areas = 0.9 tnks/yr</i>  |   |
| Engineer - Inspection                                   | 3.4                | Hour            | \$130.00   | \$442   | \$442  | 0.9 tanks/yr x 4 hrs/tnk x 1.0 per crew = 3.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Technician - Inspection                                 | 0                  | Hour            | \$38.00    | \$0   | \$0  | 0.9 tanks/yr x 4 hrs/tnk x 0.0 per crew = 0.0 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Engineer - Reporting @ 50%                              | 1.7                | Hour            | \$130.00   | \$221   | \$221  | 0.9 tanks/yr x 2 hrs/tnk x 1.0 per crew = 1.7 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Subt - Tank Assessments                                 |                    |                 |            | <b>\$663</b>  | <b>\$663</b>   | <i>inspection of 32 tanks</i>   |   |
| <i>(Subt: Assemb PCC-6.12 thru 6.13)</i>                |                    |                 |            | <b>\$1,655</b>  | <b>\$1,655</b>                                       | RMU-1 share of annual tank assessment costs: post-closure & perpetual care frequency are equa                                     |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs   | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate  | In-house Pricing References                                   |
|--|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-6.14 Replace Mon Well Pump</b>    |                    |                 |            |   |  |   |   |
| Replace Mon Well Pumps                   | 1.28               | pump            | \$900.00   | \$1,152   | \$1,152  | 51 pumps @ 2.5% per year = 1.28 pumps/yr  | Site experience third party costs                             |
| Technician                               | 2.0                | Hour            | \$38.00    | \$76  | \$76   | 2 hours per year  | third party labor costs                                       |
| Disposal of Pumps                        | 1.28               | CF              | \$12.45    | \$16  | \$16   | 1.28 pumps @ 1.0 CF/pump = 1.28 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Concrete Pads            | 1.28               | pad             | \$131.50   | \$168   | \$168  | 1.28 pads @ 2.5% per year = 1.28 pads/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Well Surface Concrete        | 2.55               | CF              | \$12.45    | \$32  | \$32   | 1.28 pads @ 2.0 CF/pad = 2.55 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Repair Mon Well Covers                   | 1.28               | each            | \$371.63   | \$476   | \$476  | 51 covers @ 2.5% per year = 1.28 covers/yr  | DEC 2004 rate * deflator (2004-2010)                          |
| Disposal of Mon Well Covers              | 0.64               | CF              | \$12.45    | \$8   | \$8  | 1.28 covers @ 0.5 CF/cover = 0.64 CF  | DEC 2004 closure rate for large debris * deflator (2004-2010) |
| Subt - Replace Mon Well Pumps            |                    |                 |            | <b>\$1,928</b>  | <b>\$1,928</b>                                       | <i>monitoring well pump maintenance and replacement</i>   |   |
| <i>(Subt: Assemb PCC-6.14 thru 6.14)</i> |                    |                 |            | <b>\$1,928</b>  | <b>\$1,928</b>                                       | <i>RMU-1 mon well pump maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equa</i>  |   |
| <b>PCC-6.15 Drainage Ditch Repair</b>    |                    |                 |            |   |  | ditches estimated to be 10 feet in width  |   |
| <i>RMU-1 Drainage Ditches</i>            |                    |                 |            |   |  | 17000 LF  | <i>drainage ditches specific to RMU-1 unit</i>                |
| <i>Facility-wide Drainage Ditches</i>    |                    |                 |            |   |  | <i>22600 LF div by 8 units = 2825 LF</i>  | <i>drainage ditches in non-specific areas of facility</i>     |
| Drainage Ditch Repair                    | 0.046              | acre            | \$5,698.00 | \$262   | \$262  | 19,825 LF x 10 ft/LF = 4.6 acres @ 1.0% per year = 0.046 acres  | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20)     |
| Rip-Rap Downchute Channel Repair         | 25                 | SY              | \$44.30    | \$1,108   | \$1,108  | 300 LF x 15 FT/LF @ 4500.0 sf (1' dp) x 5.0% per year = 25.0 SY   | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)       |
| Subt - Drainage Ditch Repair             |                    |                 |            | <b>\$1,370</b>  | <b>\$1,370</b>                                       | <i>stormwater drainage ditch repair</i>   |   |
|  |                    |                 |            |   |  |   |   |
|  |                    |                 |            |   |  |   |   |
| <b>PCC-6.16 Drainage Ditch Cleaning</b>  |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep.                                   |   |
| <i>RMU-1 Drainage Ditches</i>            |                    |                 |            |   |  | 17000 LF  | <i>drainage ditches specific to RMU-1 unit</i>                |
| <i>Facility-wide Drainage Ditches</i>    |                    |                 |            |   |  | <i>22600 LF div by 8 units = 2825 LF</i>  | <i>drainage ditches in non-specific areas of facility</i>     |
| Drainage Ditch Sediment Cleaning         | 24.5               | CY              | \$2.38     | \$58  | \$58   | 19,825 LF x 10.0 ft/LF x 0.333 feet (4") = 2445 CY @ 1%/yr = 24.5 CY  | unit price based upon FAC Ponds 1/2 excavation (6.11)         |
| Transportation of Ditch Sediment         | 8.3                | miles           | \$3.25     | \$27  | \$27   | 33.1 tons @ 20 tons/load = 1.65 loads @ 5 miles per load = 8.3 miles  | unit price based upon FAC Ponds 1/2 transportation (6.13)     |
| Disposal of Ditch Sediment               | 33.1               | ton             | \$35.00    | \$1,159   | \$1,159  | 24.5 CY @ 1.35 ton/CY = 33.1 tons   | unit price based upon FAC Ponds 1/2 disposal (6.14)           |
| Subt - Drainage Ditch Cleaning           |                    |                 |            | <b>\$1,244</b>  | <b>\$1,244</b>                                       | <i>stormwater drainage ditch cleaning</i>   |   |
|  |                    |                 |            |   |  |   |   |
| <b>PCC-6.17 Basin Cleaning</b>           |                    |                 |            |   |  | sediment estimated to be 4 inches deep.   |   |
| <i>Basin No. 1</i>                       |                    |                 |            |   |  | <i>140625 SF div by 8 units = 17578 SF</i>  |   |
| <i>Basin No. 2</i>                       |                    |                 |            |   |  | <i>150000 SF div by 8 units = 18750 SF</i>  |   |
| Basin Sediment Cleaning                  | 89.6               | CY              | \$2.38     | \$213   | \$213  | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY   | unit price based upon FAC Ponds 1/2 excavation (6.11)         |
| Transportation of Basin Sediment         | 30.0               | miles           | \$3.25     | \$98  | \$98   | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles   | unit price based upon FAC Ponds 1/2 excavation (6.13)         |
| Disposal of Basin Sediment               | 121.0              | ton             | \$35.00    | \$4,235   | \$4,235  | 89.6 CY @ 1.35 ton/CY = 121.0 tons  | unit price based upon FAC Ponds 1/2 excavation (6.14)         |
| Subt--Basin Cleaning                     |                    |                 |            | <b>\$4,546</b>  | <b>\$4,546</b>                                       | <i>facility stormwater basin cleaning</i>   |   |
|  |                    |                 |            |   |  |   |   |
| <b>PCC-6.18 Culvert Maint/Replace</b>    |                    |                 |            |   |  | avg culvert = 25' (SLF 11) & 40' (sitewide); various diameters  |   |
| <i>RMU-1 Culverts</i>                    |                    |                 |            |   |  | <i>4 culverts x 40 feet long = 160 LF</i>   | <i>culverts specific to RMU-1 unit</i>                        |
| <i>Facility-wide Culverts</i>            |                    |                 |            |   |  | <i>20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF</i>  | <i>culverts in non-specific areas of facility</i>             |
| Culvert Cleaning - 18" diameter avg      | 260                | LF              | \$2.14     | \$556   | \$556  | 260.0 LF  | DEC 2004 rate * deflator (2004-2010)                          |
| Repl Culvert - 18" diam avg (RMU-1)      | 10                 | LF              | \$11.61    | \$116   | \$116  | 40.0 LF @ 0.25 culvert/yr = 10 LF   | DEC 2004 rate * deflator (2004-2010)                          |
| Repl Culv't - 18" diam avg (sitewide)    | 40                 | LF              | \$22.35    | \$894   | \$894  | 40.0 LF @ 1.00 culvert/yr = 40 LF   | DEC 2004 rate * deflator (2004-2010)                          |
| Replace Culvert - Ditch Excavation       | 37.5               | CY              | \$2.96     | \$111   | \$111  | 50.0 LF x 0.75 CY/LF = 37.5 CY  | DEC 2004 rate * deflator (2004-2010)                          |
| Replace Culvert - Bkfill/Compaction      | 37.5               | CY              | \$3.86     | \$145   | \$145  | 37.5 CY   | DEC 2004 rate * deflator (2004-2010)                          |
| Subt - Culvert Maint/Replacement         |                    |                 |            | <b>\$1,822</b>  | <b>\$1,822</b>                                       | <i>culvert maintenance and replacement</i>  |   |
| <i>(Subt: Assemb PCC-6.15 thru 6.18)</i> |                    |                 |            | <b>\$8,981</b>  | <b>\$8,981</b>                                       | <i>RMU-1 storm drainage maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equa</i> |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-6: RMU-1

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                                   |      |    |        |         |         |   |   |
|-----------------------------------|------|----|--------|---------|---------|---|---|
| PCC-6.19 Road Maint/Replace       |      |    |        |         |         | gravel roads = 15 feet wide; asphalt roads = 20 feet wide     |   |
| RMU-1 Gravel Roads                |      |    |        |         |         | 1183 LF x 15 feet wide = 1971.7 SY @ 5% per year = 98.6 SY    |   |
| Facility-wide Asphalt Roads       |      |    |        |         |         | 21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF | asphalt roads in non-specific areas of facility |
| RMU-1 Gravel Road Repair          | 98.6 | SY | \$3.12 | \$308   | \$308   | 98.6 SY   | DEC 2004 rate * deflator (2004-2010)            |
| Facility-wide Asphalt Roads       | 528  | SF | \$1.35 | \$712   | \$712   | 4,224.0 SF div by 8 units = 528.0 SF                          | DEC 2004 rate * deflator (2004-2010)            |
| Subt - Road Maint/Replacement     |      |    |        | \$1,020 | \$1,020 | road maintenance and replacement                              |   |
| (Subt: Assemb PCC-6.19 thru 6.19) |      |    |        | \$1,020 | \$1,020 | RMU-1 road maintenance & replacement                          |   |

Total Non-Super hours 390.5

|                                   |      |       |         |       |       |   |   |
|-----------------------------------|------|-------|---------|-------|-------|---|---|
| PCC-6.20 PPE Use/H&S Planning     |      |       |         |       |       | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D               | 36.6 | days  | \$0.00  | \$0   | \$0   | 390.5 hours @ 8 hr/day = 48.8 days @ 75% "D" days = 36.6 days   | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C           | 7.3  | days  | \$9.00  | \$66  | \$66  | 390.5 hours @ 8 hr/day = 48.8 days @ 15% "C" days = 7.3 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C               | 4.9  | days  | \$25.00 | \$123 | \$123 | 390.5 hours @ 8 hr/day = 48.8 days @ 10% "C" days = 4.9 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer           | 9.8  | hours | \$75.00 | \$735 | \$735 | 390.5 hours @ 2.5% hr/hr = 9.8 hours  | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning     |      |       |         | \$923 | \$923 |   |   |
| PCC-6.21 Supervision              |      |       |         |       |       |   |   |
| Foreman                           | 0    | hours | \$65.00 | \$0   | \$0   | Included in PCC-6.8a AWTs Operation   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager              | 0    | hours | \$75.00 | \$0   | \$0   | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision            |      |       |         | \$0   | \$0   |   |   |
| (Subt: Assemb PCC-6.20 thru 6.21) |      |       |         | \$923 | \$923 | supervision, health & safety, and certification   |   |

|                          |  |  |  |           |           |
|--------------------------|--|--|--|-----------|-----------|
| PCC 6: RMU-1 Direct Cost |  |  |  | \$227,270 | \$204,934 |
|--------------------------|--|--|--|-----------|-----------|

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

|                                  |                                 |  |                                       |   |
|----------------------------------|---------------------------------|--|---------------------------------------|---|
| <b>PCC-6: RMU-1</b>              |                                 |  |                                       |   |
| Total Cost Summary               |                                 |  |                                       |   |
| Cost Category                    | Proposed Percent of Direct Cost | Proposed Annual Cost Post - Closure Period | Proposed Cost - Annual Perpetual Care | Cost Range  |
|                                  |                                 |  |                                       |   |
| Direct Costs                     |                                 | \$227,270                                  | \$204,934                             |   |
|                                  |                                 |  |                                       |   |
| Plus Indirect Costs/Profit:      |                                 |  |                                       |   |
| Site Activity Management Costs   | 3.00%                           | \$6,818                                    | \$6,148.03                            | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                           | \$9,091                                    | \$8,197                               | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                           | \$2,273                                    | \$2,049.34                            | For post-closure, design costs minimal and included in Assb 6.21. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                           | \$2,273                                    | \$2,049.34                            | For post-closure, design costs minimal and included in Assb 6.21. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                           | \$13,636                                   | \$12,296                              | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                          | \$34,090                                   | \$30,740                              |   |
|                                  |                                 |  |                                       |   |
| Subtotal - Direct/Indirect Costs |                                 | \$261,360                                  | \$235,674                             |   |
|                                  |                                 |  |                                       |   |
| Plus Contingency                 | 15.00%                          | \$39,204                                   | \$35,351                              | DEC uses 15% applied to total cost  |
|                                  |                                 |  |                                       |   |
| Total - PCC-6: RMU-1             |                                 | \$300,564                                  | \$271,026                             |   |
|                                  |                                 |  |                                       |   |

RMU-1 Years of Post Closure Years Since Closure N/A Post Closure Years Remaining 30

|                                    |  |             |
|------------------------------------|--|-------------|
| Post Closure Costs Remaining Years |  | \$9,016,922 |
| Post Closure Costs 30-Years        |  | \$9,016,922 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-7: Clos'd Lagoons/Salts Imp

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|                                    |              |            |             |           |   |
|------------------------------------|--------------|------------|-------------|-----------|---|
| Lagoons/Salts Parameters - Area    | 18.5 acres = | 89667 SY = | 807000 SF = | 807.0 MSF | 31680 LF (6 Mi.) = total est'd perimeter fencing for eight (8) SLFs |
| Lagoons/Salts Parameters - Fencing |              |            |             |           | 3960 LF = portion of perimeter fencing for Lagoons/Salts            |

|  |     |       |         |              |              |  |   |
|--|-----|-------|---------|--------------|--------------|--|---|
| <b>PCC-7.1 Annual Visual Inspections</b> |     |       |         |              |              | make visual inspections and log results; two persons required                  |   |
| <i>Post-Closure</i>                      |     |       |         |              |              |  |   |
| Technician - Landfill                    | 6.8 | hours | \$38.00 | \$258        | \$0          | 2 hrs/insp x 1.7 insp/year x 2 per crew = 6.8 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 0   | hours | \$38.00 | \$0          | \$0          | 0 hrs/insp x 0.0 insp/year x 0 per crew = 0.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.5 | hours | \$38.00 | \$57         | \$0          | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 7.2 | hours | \$38.00 | \$274        | \$0          | 2 hrs/insp x 1.8 insp/year x 2 per crew = 7.2 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0   | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections            |     |       |         | <b>\$589</b> | <b>\$0</b>   | Lagoons/Salts post-closure inspections   |   |
| <i>Perpetual Care</i>                    |     |       |         |              |              | Perpetual Care Frequencies according to Page 11 of Site-Wide Post-Closure Plan |   |
| Technician - Landfill                    | 4.0 | hours | \$38.00 | \$0          | \$152        | 2 hrs/insp x 1.0 insp/year x 2 per crew = 4.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst      | 0.0 | hours | \$38.00 | \$0          | \$0          | 0 hrs/insp x 0.0 insp/year x 0 per crew = 0.0 hours                            | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing           | 1.0 | hours | \$38.00 | \$0          | \$38         | 4 hrs/insp x 1.0 insp/year x 2 per crew/ 8 facility units = 1.0 hours          | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst        | 4.2 | hours | \$38.00 | \$0          | \$160        | 2 hrs/insp x 1.04 insp/year x 2 per crew = 4.2 hours                           | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event           | 0.0 | hours | \$38.00 | \$0          | \$0          | included above   | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care  |     |       |         | <b>\$0</b>   | <b>\$350</b> | Lagoons/Salts perpetual care inspections                                       |   |
| (Subt: Assemb PCC-7.1 thru 7.1)          |     |       |         | <b>\$589</b> | <b>\$350</b> | Lagoons/Salts visual inspections   |   |

|                                       |      |    |         |                |                |  |                           |
|---------------------------------------|------|----|---------|----------------|----------------|--|---------------------------|
| <b>PCC-7.2 Perimeter Fence Maint.</b> |      |    |         |                |                | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected                      |                           |
| Replacement of Fencing                | 79.2 | LF | \$20.00 | \$1,584        | \$1,584        | 31680 LF div by 8 units x 2% per year = 79.2 LF  | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.         |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | Lagoons/Salts share of perimeter fence inspection & replacement  |                           |
| (Subt: Assemb PCC-7.2 thru 7.2)       |      |    |         | <b>\$1,584</b> | <b>\$1,584</b> | Lagoons/Salts share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equal |                           |

|   |   |       |          |            |            |  |   |
|---|---|-------|----------|------------|------------|--|---|
| <b>PCC-7.3 Groundwater Monitoring</b>     |   |       |          |            |            | <i>not applicable - part of corrective measures activities</i>   |   |
| <i>Monit'g Events &amp; Samples/Event</i> |   |       |          |            |            | 0.0 quart'ly + 0.0 semi-ann + 0.0 b-ann'l x 1.05 each = 0.0 samp | includes 5% QA sampling                                   |
| <i>Post-Closure</i>                       |   |       |          |            |            |  |   |
| Technician                                | 0 | hours | \$38.00  | \$0        | \$0        | 0.0 samps @ 1.0 hrs/samp x 2 per crew = 0.0 hours                | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 0 | samp  | \$25.00  | \$0        | \$0        | 0.0 samps  | bottles, shipping supplies                                |
| VOCs                                      | 0 | samp  | \$105.00 | \$0        | \$0        | 0.0 samps  | Average of three quotes                                   |
| Subt - GW Monitoring                      |   |       |          | <b>\$0</b> | <b>\$0</b> | post closure groundwater monitoring                              |   |
|   |   |       |          |            |            |  |   |
| <i>Monit'g Events &amp; Samples/Event</i> |   |       |          |            |            | 0.0 wells @ sample/5 years 1.05 each = 0.0 samp/yr               | No DEC estimate for perpetual care                        |
| <i>Perpetual Care</i>                     |   |       |          |            |            | Perpetual care groundwater monitoring once every five years      |   |
| Technician                                | 0 | hours | \$38.00  | \$0        | \$0        | 0.0 samps @ 1.0 hrs/samp x 2 per crew = 0.0 hours                | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies                         | 0 | samp  | \$25.00  | \$0        | \$0        | 0.0 samples  | bottles, shipping supplies                                |
| VOCs                                      | 0 | samp  | \$105.00 | \$0        | \$0        | 0.0 samples  | Average of three quotes                                   |
| Subt - GW Monitoring                      |   |       |          | <b>\$0</b> | <b>\$0</b> | perpetual care groundwater monitoring                            |   |
|   |   |       |          |            |            |  |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-7: Clos'd Lagoons/Salts Imp

| Basic Closure Activities: Direct Costs    | Estimated Quantity | Unit of Measure | Unit Price  | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate   | In-house Pricing References                                |
|---|--------------------|-----------------|-------------|---|--|--|--|
| PCC-7.4 Outfalls 002,003,004 SPDES Mon    |                    |                 |             |   |  |  |  |
| Weekly Sampling Events                    |                    |                 |             |   |  | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| Technician                                | 39                 | hours           | \$38.00     | \$1,482   | \$1,482  | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Pickup Truck                              | 39                 | hours           | \$10.45     | \$408   | \$408  | 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                                     |  |
| Sampling Equipment                        | 39                 | hours           | \$5.00      | \$195   | \$195  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                         | 19.5               | samp            | \$5.00      | \$98  | \$98   | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5               | samp            | \$10.67     | \$208   | \$208  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                      | 19.5               | samp            | \$13.33     | \$260   | \$260  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)              | 16.2               | samp            | \$13.33     | \$216   | \$216  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                    | 16.2               | samp            | \$15.00     | \$243   | \$243  | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                         | 76.1               | samp            | \$13.33     | \$1,015   | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units = 76.1 samples                    | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5                                     | 4.5                | samp            | \$31.67     | \$143   | \$143  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                          | 4.5                | samp            | \$17.50     | \$79  | \$79   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                             | 4.5                | samp            | \$22.67     | \$102   | \$102  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                | 9                  | samp            | \$105.00    | \$945   | \$945  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                       | 9                  | samp            | \$40.00     | \$360   | \$360  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper                                    | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc                                      | 4.5                | samp            | \$17.67     | \$80  | \$80   | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                   | 4.5                | samp            | \$26.67     | \$120   | \$120  | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | 19.5               | samp            | \$133.33    | \$2,600   | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                 | 0                  | samp            | \$86.67     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                   | 9                  | samp            | \$75.00     | \$675   | \$675  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                        | 0                  | samp            | \$75.00     | \$0   | \$0  | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                  | 19.5               | samp            | \$5.00      | \$98  | \$98   |  |  |
| Subt - SPDES Outfall Sampling & Analysis  |                    |                 |             | \$9,403   | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
| PCC-7.4a Discharge Monitoring Report      |                    |                 |             |   |  |  |  |
| Engineer (Report)                         | 3                  | hours           | \$130.00    | \$390   | \$390  | Monthly Discharge Monitoring Reports   |  |
| Clerical                                  | 6                  | hours           | \$45.00     | \$270   | \$270  | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Subt - Discharge Monitoring Report        |                    |                 |             | \$660   | \$660  | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| (Subt: Assemb PCC-7.3 thru 7.4a)          |                    |                 |             | \$10,063  | \$10,063   | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
|   |                    |                 |             |   |  | Lagoons/Salts groundwater & stormwater monitoring activities                                       |  |
| PCC-7.5 Landfill Cover Maint.             |                    |                 |             |   |  |  |  |
| Replacement of Cover                      | 0.185              | acre            | \$20,973.33 | \$3,880   | \$3,880  | 18.5 acre @ 1.0% per year = 0.185 acres/yr   | unit price based upon vegetation, topsoil, from RMU-1      |
| Subt - Landfill Cover Maint.              |                    |                 |             | \$3,880   | \$3,880  | Lagoons/Salts cap maintenance and replacement  | Assemblies 14.17 thru 14.18                                |
| PCC-7.6 Mowing/Grooming                   |                    |                 |             |   |  |  |  |
| Mowing                                    | 807.0              | MSF             | \$3.21      | \$2,593   | \$2,593  | 807.0 MSF @ 1.0 per year = 807.0 MSF   | DEC 2004 rate * deflator (2004-2010)                       |
| Fertilizing                               | 161.4              | MSF             | \$3.82      | \$616   | \$616  | 807.0 MSF @ 1.0 per 5.0 years = 161.4 MSF  | DEC 2004 rate * deflator (2004-2010)                       |
| Subt - Mowing/Grooming                    |                    |                 |             | \$3,209   | \$3,209  | Lagoons/Salts mowing and fertilizing   |  |
| (Subt: Assemb PCC-5.5 thru 5.6)           |                    |                 |             | \$7,090   | \$7,090  | Lagoons/Salts cap maintenance activities: post-closure & perpetual care frequency are equal        |  |

PCC-7: Clos'd Lagoons/Salts Imp

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                      | In-house Pricing References                               |
|---|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-7.7 Leachate System Mgmt</b>     |                    |                 |            |   |  | not applicable  |   |
| Subt - Leachate Coll Syst Mgmt          |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.7a AWTS Operation</b>          |                    |                 |            |   |  |   |   |
| Subt - AWTS Operation                   |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-7.7 thru 7.7a)        |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.8 N/A</b>                      |                    |                 |            |   |  | not applicable  |   |
| Subt - N/A                              |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.9 N/A</b>                      |                    |                 |            |   |  | not applicable  |   |
| Subt - N/A                              |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.10 N/A</b>                     |                    |                 |            |   |  | not applicable  |   |
| Subt - N/A                              |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-7.8 thru 7.10)        |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.11 Tank Assessments</b>        |                    |                 |            |   |  | not applicable  |   |
| Subt - Tank Assessments                 |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.12 Tank Assessments</b>        |                    |                 |            |   |  | not applicable  |   |
| Subt - Tank Assessments                 |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-7.11 thru 7.12)       |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.13 Replace Mon Well Pump</b>   |                    |                 |            |   |  | not applicable  |   |
| Subt - Replace Mon Well Pumps           |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-7.13 thru 7.13)       |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.14 Drainage Ditch Repair</b>   |                    |                 |            |   |  | ditches estimated to be 10 feet in width                                      |   |
| Lagoons/Salts Drainage Ditches          |                    |                 |            |   |  | 6950 LF   | drainage ditches specific to Lagoons/Salts areas          |
| Facility-wide Drainage Ditches          |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility        |
| Drainage Ditch Repair                   | 0.022              | acre            | \$5,698.00 | \$125   | \$125  | 9,775 LF x 10 ft/LF = 2.244 acres @ 1.0% per year = 0.022 acres               | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20) |
| Rip-Rap Downchute Channel Repair        | 0                  | SY              | \$44.30    | \$0   | \$0  | 0 LF x 0 FT/LF @ 9.0 SF/SY @ 5.0% per year = 0.0 SY                           | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)   |
| Subt - Drainage Ditch Repair            |                    |                 |            | \$125   | \$125  | stormwater drainage ditch repair  |   |
|   |                    |                 |            |   |  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-7.15 Drainage Ditch Cleaning</b> |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep. |   |
| Lagoons/Salts Drainage Ditches          |                    |                 |            |   |  | 4000 LF   | drainage ditches specific to Lagoons/Salts areas          |
| Facility-wide Drainage Ditches          |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility        |
| Drainage Ditch Sediment Cleaning        | 8.4                | CY              | \$2.38     | \$20  | \$20   | 6,825.0 LF x 10.0 ft/LF x 0.333 feet (4") = 1206 CY @ 1%/yr = 8.4 CY          | unit price based upon FAC Ponds 1/2 excavation (6.11)     |
| Transportation of Ditch Sediment        | 5                  | miles           | \$3.25     | \$16  | \$16   | 11.3 tons @ 20 tons/load = 0.6 loads @ 5 miles per load = 5.0 miles           | unit price based upon FAC Ponds 1/2 transportation (6.13) |
| Disposal of Ditch Sediment              | 11.3               | ton             | \$35.00    | \$396   | \$396  | 8.4 CY @ 1.35 ton/CY = 11.3 tons  | unit price based upon FAC Ponds 1/2 disposal (6.14)       |
| Subt - Drainage Ditch Cleaning          |                    |                 |            | \$432   | \$432  | stormwater drainage ditch cleaning  |   |
|   |                    |                 |            |   |  |   |   |

PCC-7: Clos'd Lagoons/Salts Imp

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|  |       |       |         |                |                |  |   |
|--|-------|-------|---------|----------------|----------------|--|---|
| <b>PCC-7.16 Basin Cleaning</b>           |       |       |         |                |                | sediment estimated to be 4 inches deep.  |   |
| <i>Basin No. 1</i>                       |       |       |         |                |                | <i>140625 SF div by 8 units = 17578 SF</i>   |   |
| <i>Basin No. 2</i>                       |       |       |         |                |                | <i>150000 SF div by 8 units = 18750 SF</i>   |   |
| Basin Sediment Cleaning                  | 89.6  | CY    | \$2.38  | \$213          | \$213          | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY  | unit price based upon FAC Ponds 1/2 excavation (6.11) |
| Transportation of Basin Sediment         | 30.0  | miles | \$3.25  | \$98           | \$98           | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles  | unit price based upon FAC Ponds 1/2 excavation (6.13) |
| Disposal of Basin Sediment               | 121.0 | ton   | \$35.00 | \$4,235        | \$4,235        | 89.6 CY @ 1.35 ton/CY = 121.0 tons   | unit price based upon FAC Ponds 1/2 excavation (6.14) |
| Subt--Basin Cleaning                     |       |       |         | <b>\$4,546</b> | <b>\$4,546</b> | <i>facility stormwater basin cleaning</i>  |   |
|  |       |       |         |                |                |  |   |
| <b>PCC-7.17 Culvert Maint/Replace</b>    |       |       |         |                |                | avg culvert = 25' (SLF 11) & 40' (sitewide); various diameters   |   |
| <i>Lagoons/Salts Culverts</i>            |       |       |         |                |                | <i>3 culverts x 40 feet long = 120 LF</i>  | <i>culverts specific to Lagoons/Salts areas</i>       |
| <i>Facility-wide Culverts</i>            |       |       |         |                |                | <i>20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF</i>   | <i>culverts in non-specific areas of facility</i>     |
| Culvert Cleaning - 8" diameter avg       | 220   | LF    | \$2.14  | \$470          | \$470          | 220.0 LF   | DEC 2004 rate * deflator (2004-2010)                  |
| Repl Culvert - 8" diam avg (SLF 10)      | 10    | LF    | \$11.61 | \$116          | \$116          | 40.0 LF @ 0.25 pipe/yr = 10.0 LF   | DEC 2004 rate * deflator (2004-2010)                  |
| Repl Culv't - 18" diam avg (sitewide)    | 40    | LF    | \$22.35 | \$894          | \$894          | 40.0 LF  | DEC 2004 rate * deflator (2004-2010)                  |
| Replace Culvert - Ditch Excavation       | 37.5  | CY    | \$2.96  | \$111          | \$111          | 50.0 LF x 0.75 CY/LF = 37.5 CY   | DEC 2004 rate * deflator (2004-2010)                  |
| Replace Culvert - Bkfill/Compaction      | 37.5  | CY    | \$3.86  | \$145          | \$145          | 37.5 CY  | DEC 2004 rate * deflator (2004-2010)                  |
| Subt - Culvert Maint/Replacement         |       |       |         | <b>\$1,737</b> | <b>\$1,737</b> | <i>culvert maintenance and replacement</i>   |   |
| <i>(Subt: Assemb PCC-7.14 thru 7.17)</i> |       |       |         | <b>\$6,840</b> | <b>\$6,840</b> | <i>Lagoons/Salts storm drainage maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equal</i> |   |

|  |     |    |        |              |              |  |  |
|--|-----|----|--------|--------------|--------------|--|--|
| <b>PCC-7.18 Road Maint/Replace</b>       |     |    |        |              |              | gravel roads = 15 feet wide; asphalt roads = 20 feet wide            |  |
| <i>Lagoons/Salts Gravel Roads</i>        |     |    |        |              |              | <i>900 LF x 15 feet wide = 1500 SY @ 5% per year = 75 SY</i>         |  |
| <i>Facility-wide Asphalt Roads</i>       |     |    |        |              |              | <i>21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF</i> | <i>asphalt roads in non-specific areas of facility</i> |
| Lagoons/Salts Gravel Road Repair         | 75  | SY | \$3.12 | \$234        | \$234        | 75.0 SY  | DEC 2004 rate * deflator (2004-2010)                   |
| Facility-wide Asphalt Roads              | 528 | SF | \$1.35 | \$712        | \$712        | 4,224.0 SF div by 8 units = 528.0 SF                                 | DEC 2004 rate * deflator (2004-2010)                   |
| Subt - Road Maint/Replacement            |     |    |        | <b>\$947</b> | <b>\$947</b> | <i>road maintenance and replacement</i>                              |  |
| <i>(Subt: Assemb PCC-7.18 thru 7.18)</i> |     |    |        | <b>\$947</b> | <b>\$947</b> | <i>Lagoons/Salts road maintenance &amp; replacement</i>              |  |

Total Non-Super hours 54.5

|  |     |       |         |              |              |   |   |
|--|-----|-------|---------|--------------|--------------|---|---|
| <b>PCC-7.19 PPE Use/H&amp;S Planning</b> |     |       |         |              |              | Level C @ 00%; Mod Level C @ 25%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                      | 5.1 | days  | \$0.00  | \$0          | \$0          | 54.5 hours @ 8 hr/day = 6.8 days @ 75% "D" days = 5.1 days  | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                  | 1.7 | days  | \$9.00  | \$15         | \$15         | 54.5 hours @ 8 hr/day = 6.8 days @ 25% "Mod C" days = 1.7 days  | 25% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                      | 0   | days  | \$25.00 | \$0          | \$0          | 54.5 hours @ 8 hr/day = 6.8 days @ 0% "C" days = 0.0 days   | 0% of non-supv hrs in Level C (used facility price: \$25/day)     |
| Health & Safety Officer                  | 1.4 | hours | \$75.00 | \$105        | \$105        | 54.5 hours @ 2.5% hr/hr = 1.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning            |     |       |         | <b>\$120</b> | <b>\$120</b> |   |   |
|  |     |       |         |              |              |   |   |
| <b>PCC-7.20 Supervision</b>              |     |       |         |              |              |   |   |
| Foreman                                  | 0   | hours | \$65.00 | \$0          | \$0          | Included in AWTS Assemblies of PCC-1 through PCC-6 and CM-1   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                     | 0   | hours | \$75.00 | \$0          | \$0          | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                   |     |       |         | <b>\$0</b>   | <b>\$0</b>   |   |   |
| <i>(Subt: Assemb PCC-7.19 thru 7.20)</i> |     |       |         | <b>\$120</b> | <b>\$120</b> | supervision, health & safety, and certification   |   |

|   |  |  |  |                 |                 |
|---|--|--|--|-----------------|-----------------|
| <b>PCC 7: Lagoons/Salts Direct Cost</b> |  |  |  | <b>\$27,232</b> | <b>\$26,993</b> |
|---|--|--|--|-----------------|-----------------|



Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

|                                  |                                 |  |                                       |   |
|----------------------------------|---------------------------------|--|---------------------------------------|---|
| PCC-7: Lagoons/Salts Imp         |                                 |  |                                       |   |
| Total Cost Summary               |                                 |  |                                       |   |
| Cost Category                    | Proposed Percent of Direct Cost | Proposed Annual Cost Post - Closure Period | Proposed Cost - Annual Perpetual Care | Cost Range  |
| Direct Costs                     |                                 | \$27,232                                   | \$26,993                              |   |
|                                  |                                 |  |                                       |   |
| Plus Indirect Costs/Profit:      |                                 |  |                                       |   |
| Site Activity Management Costs   | 3.00%                           | \$817                                      | \$810                                 | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                           | \$1,089                                    | \$1,080                               | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                           | \$272                                      | \$270                                 | For post-closure, design costs minimal and included in Assb 7.20. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                           | \$272                                      | \$270                                 | For post-closure, design costs minimal and included in Assb 7.20. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                           | \$1,634                                    | \$1,620                               | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                          | \$4,085                                    | \$4,049                               |   |
|                                  |                                 |  |                                       |   |
| Subtotal - Direct/Indirect Costs |                                 | \$31,317                                   | \$31,042                              |   |
|                                  |                                 |  |                                       |   |
| Plus Contingency                 | 15.00%                          | \$4,698                                    | \$4,656                               | DEC uses 15% applied to total cost  |
|                                  |                                 |  |                                       |   |
| Total - PCC-7: Lagoons/Salts Imp |                                 | \$36,015                                   | \$35,698                              |   |
|                                  |                                 |  |                                       |   |

Lagoons & Salts Years of Post Closure

Years Since Closure

N/A

Post Closure Years Remaining

30

|                                    |  |             |
|------------------------------------|--|-------------|
| Post Closure Costs Remaining Years |  | \$1,080,444 |
| Post Closure Costs 30-Years        |  | \$1,080,444 |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-8: Process Tank Area

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|  |             |             |             |           |   |
|--|-------------|-------------|-------------|-----------|---|
| Process Tank Parameters - Total Area             | 6.0 acres = | 29217 SY =  | 262950 SF = | 263.0 MSF | 31680 LF (6 Mi.) = total est'd perim fencing for eight (8) SLFs |
| Process Tank Parameters - Concrete Cover Area    | 1.6 acres = | 7813 SY =   | 70317 SF =  | 70.3 MSF  |   |
| Process Tank Parameters - Grass/Soil CoverArea   | 1.7 acres = | 8345.9 SY = | 75113 SF =  | 75.1 MSF  |   |
| Process Tank Parameters - 80-mil HDPE Cover Area | 0.2 acres = | 855.56 SY = | 7700 SF =   | 7.7 MSF   |   |
| Process Tank Parameters - Asphalt Cover Area     | 2.5 acres = | 12202 SY =  | 109820 SF = | 109.8 MSF |   |
| Process Tank Parameters - Fencing                |             |             |             |           | 3960 LF = portion of perimeter fencing for Process Tank Area    |

|   |     |       |         |       |       |   |   |
|---|-----|-------|---------|-------|-------|---|---|
| PCC-8.1 Annual Visual Inspections       |     |       |         |       |       | make visual inspections and log results; two persons required         |   |
| Post-Closure                            |     |       |         |       |       |   |   |
| Technician - Landfill                   | 8.0 | hours | \$38.00 | \$304 | \$0   | 2 hrs/insp x 2.0 insp/year x 2 per crew = 8.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst     | 0.0 | hours | \$38.00 | \$0   | \$0   | 0 hrs/insp x 0.0 insp/year x 0 per crew = 0.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing          | 1.5 | hours | \$38.00 | \$57  | \$0   | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst       | 8.0 | hours | \$38.00 | \$304 | \$0   | 2 hrs/insp x 2.0 insp/year x 2 per crew = 8.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event          | 0.0 | hours | \$38.00 | \$0   | \$0   | included above  | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections           |     |       |         | \$665 | \$0   | Process Tank Area post-closure inspections                            |   |
| Perpetual Care                          |     |       |         |       |       |   |   |
| Technician - Landfill                   | 8.0 | hours | \$38.00 | \$0   | \$304 | 2 hrs/insp x 2.0 insp/year x 2 per crew = 8.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Landfill Leachate Syst     | 0.0 | hours | \$38.00 | \$0   | \$0   | 0 hrs/insp x 0.0 insp/year x 0 per crew = 0.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Perimeter Fencing          | 1.5 | hours | \$38.00 | \$0   | \$57  | 3 hrs/insp x 2.0 insp/year x 2 per crew/ 8 facility units = 1.5 hours | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - Storm Water Mgt Syst       | 8.0 | hours | \$38.00 | \$0   | \$304 | 2 hrs/insp x 2.0 insp/year x 2 per crew = 8.0 hours                   | loaded labor rate: loaded labor rate 2011 3rd party quote     |
| Technician - 25-Yr Storm Event          | 0.0 | hours | \$38.00 | \$0   | \$0   | included above  | this activity s/b included with annual storm water inspect'ns |
| Subtotal - Annual Inspections Perp-Care |     |       |         | \$0   | \$665 | Process Tank Area perpetual care inspections                          |   |
| (Subt: Assemb PCC-8.1 thru 8.1)         |     |       |         | \$665 | \$665 | Process Tank Area visual inspections                                  |   |

|                                 |      |    |         |         |         |  |                           |
|---------------------------------|------|----|---------|---------|---------|--|---------------------------|
| PCC-8.2 Perimeter Fence Maint.  |      |    |         |         |         | one-eighth of total perimeter fencing allocated per SLF unit; 2% annual replacement projected                          |                           |
| Replacement of Fencing          | 79.2 | LF | \$20.00 | \$1,584 | \$1,584 | 31680 LF div by 8 units x 2% per year = 79.2 LF  | Site Experience 2010 Rate |
| Subt - Perimeter Fence Maint.   |      |    |         | \$1,584 | \$1,584 | Process Tank Area share of perimeter fence inspection & replacement  |                           |
| (Subt: Assemb PCC-8.2 thru 8.2) |      |    |         | \$1,584 | \$1,584 | Process Tank Area share of perimeter fence inspection & replacement: post-closure & perpetual care frequency are equal |                           |

|                                |   |       |          |     |     |  |   |
|--------------------------------|---|-------|----------|-----|-----|--|---|
| PCC-8.3 Groundwater Monitoring |   |       |          |     |     | not applicable - part of corrective measures activities          |   |
| Monit'g Events & Samples/Event |   |       |          |     |     | 0.0 quart'ly + 0.0 semi-ann + 0.0 b-ann'l x 1.05 each = 0.0 samp | includes 5% QA sampling                                   |
| Post-Closure                   |   |       |          |     |     |  |   |
| Technician                     | 0 | hours | \$38.00  | \$0 | \$0 | 0.0 samps @ 1.0 hrs/samp x 2 per crew = 0.0 hours                | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies              | 0 | samp  | \$25.00  | \$0 | \$0 | 0.0 samps  | bottles, shipping supplies                                |
| VOCs                           | 0 | samp  | \$105.00 | \$0 | \$0 | 0.0 samps  | Average of three quotes                                   |
| Subt - GW Monitoring           |   |       |          | \$0 | \$0 | not applicable   |   |
| Monit'g Events & Samples/Event |   |       |          |     |     | 0.0 wells @ sample/5 years 1.05 each = 0.0 samp/yr               |   |
| Perpetual Care                 |   |       |          |     |     | not applicable - part of corrective measures activities          |   |
| Technician                     | 0 | hours | \$38.00  | \$0 | \$0 | 0.0 samps @ 1.0 hrs/samp x 2 per crew = 0.0 hours                | loaded labor rate: loaded labor rate 2011 3rd party quote |
| Sampling Supplies              | 0 | samp  | \$25.00  | \$0 | \$0 | 0.0 samples  | bottles, shipping supplies                                |
| VOCs                           | 0 | samp  | \$105.00 | \$0 | \$0 | 0.0 samples  | Average of three quotes                                   |
| Subt - GW Monitoring           |   |       |          | \$0 | \$0 | not applicable   |   |
|                                |   |       |          |     |     |  |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-8: Process Tank Area

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|   |      |       |          |          |          |  |  |
|---|------|-------|----------|----------|----------|--|--|
| <b>PCC-8.4 Outfalls 002,003,004 SPDES Mon</b> |      |       |          |          |          | production rate = 2 hours per sample for a one-person crew: each year of monitoring during closure |  |
| <i>Weekly Sampling Events</i>                 |      |       |          |          |          | 12 months = 52 weeks @ 3 outfalls @ 1 sample/OF = 156 samples                                      | sampling & analysis according to SPDES Permit              |
| Technician                                    | 39   | hours | \$38.00  | \$1,482  | \$1,482  | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         |  |
| Pickup Truck                                  | 39   | hours | \$10.45  | \$408    | \$408    | 39.0 hours   |  |
| Sampling Equipment                            | 39   | hours | \$5.00   | \$195    | \$195    | 156 samples 2.0 hrs/samp = 312.0 hours @ 1 units/crew/8 units = 39.0 hours                         | samplers, meters, etc.                                     |
| Sampling Supplies                             | 19.5 | samp  | \$5.00   | \$98     | \$98     | 19.5 samples   | bottles, shipping supplies                                 |
| pH  | 19.5 | samp  | \$10.67  | \$208    | \$208    | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Specific Conductance                          | 19.5 | samp  | \$13.33  | \$260    | \$260    | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| Total Suspended Solids (TSS)                  | 16.2 | samp  | \$13.33  | \$216    | \$216    | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Total Dissolved solids                        | 16.2 | samp  | \$15.00  | \$243    | \$243    | 2 outfalls @ 1 samp/OF/week + 1 OF @ 2/month @ 52 weeks = 130 samp/8 units = 16.2 samp             | weekly: Average of three quotes                            |
| Settleable Solids                             | 76.1 | samp  | \$13.33  | \$1,015  | \$1,015  | 3 outfalls @ 3.9 samp/OF/week @ 52 weeks = 608.4 samples/8 units 76.1 samples                      | daily during flow assume 3.9/week: Average of three quotes |
| BOD-5   | 4.5  | samp  | \$31.67  | \$143    | \$143    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Dissolved Oxygen                              | 4.5  | samp  | \$17.50  | \$79     | \$79     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Ammonia (NH3)                                 | 4.5  | samp  | \$22.67  | \$102    | \$102    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| VOCs (624)                                    | 9    | samp  | \$105.00 | \$945    | \$945    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Oil & Grease (1631)                           | 9    | samp  | \$40.00  | \$360    | \$360    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Copper  | 4.5  | samp  | \$17.67  | \$80     | \$80     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Zinc  | 4.5  | samp  | \$17.67  | \$80     | \$80     | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Phenols                                       | 4.5  | samp  | \$26.67  | \$120    | \$120    | 3 outfalls @ 1 samp/OF/month @ 12 months = 36 samples/8 units = 4.5 samples                        | monthly: Average of three quotes                           |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l))     | 19.5 | samp  | \$133.33 | \$2,600  | \$2,600  | 3 outfalls @ 1 samp/OF/week @ 52 weeks = 156 samples/8 units = 19.5 samples                        | weekly: Average of three quotes                            |
| 2-Chloroethyl vinyl ether                     | 0    | samp  | \$86.67  | \$0      | \$0      | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Dichlorodifluoromethane                       | 9    | samp  | \$75.00  | \$675    | \$675    | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes                           |
| Methylene chloride                            | 0    | samp  | \$75.00  | \$0      | \$0      | 3 outfalls @ 2 samp/OF/month @ 12 months = 72 samples/8 units = 9.0 samples                        | 2/month: Average of three quotes (inc VOC 624 analysis)    |
| Shipping                                      | 19.5 | samp  | \$5.00   | \$98     | \$98     |  |  |
| Subt - SPDES Outfall Sampling & Analysis      |      |       |          | \$9,403  | \$9,403  | three outfalls requiring weekly sampling & analysis for each year during post-closure              |  |
|   |      |       |          |          |          |  |  |
| <b>PCC-8.4a Discharge Monitoring Report</b>   |      |       |          |          |          | Monthly Discharge Monitoring Reports   |  |
| Engineer (Report)                             | 3    | hours | \$130.00 | \$390    | \$390    | 12 months @ 2 hrs/event = 24.0 hours @ div by 8 units = 3.0 hours                                  | loaded labor rate: loaded labor rate 2011 3rd party quote  |
| Clerical                                      | 6    | hours | \$45.00  | \$270    | \$270    | 12 months @ 4 hrs/event = 48.0 hours @ div by 8 units = 6.0 hours                                  |  |
| Subt - Discharge Monitoring Report            |      |       |          | \$660    | \$660    | submittal of SPDES Permit required Discharge Monitoring Report (DMR)                               |  |
| <i>(Subt: Assemb PCC-8.3 thru 8.4a)</i>       |      |       |          | \$10,063 | \$10,063 | <i>Process Tank Area groundwater &amp; stormwater monitoring activities</i>                        |  |

|  |        |      |             |          |          |  |   |
|--|--------|------|-------------|----------|----------|--|---|
| <b>PCC-8.5 Landfill Cover Maint.</b>   |        |      |             |          |          |  |   |
| Grout Cracks/Joints - Conc Cover       | 351.6  | SF   | \$8.75      | \$3,076  | \$3,076  | 70317 SF @ 0.5% per year = 351.6 SF/yr   | 2004 DEC Rate * Implicit Deflator                     |
| Patch Concrete - Concrete Cover        | 1406.3 | SF   | \$2.49      | \$3,506  | \$3,506  | 70317 SF @ 2.0% per year = 1406.3 SF/yr  | 2004 DEC Rate * Implicit Deflator                     |
| Seal Cracks - Asphalt Cover            | 61.0   | SY   | \$6.40      | \$391    | \$391    | 109820 SF @ 0.5% per year = 549.1 SF/yr = 61.0 SY/year   | 2004 DEC Rate * Implicit Deflator                     |
| Replace Asphalt Cover                  | 2196.4 | SF   | \$1.35      | \$2,964  | \$2,964  | 109820 SF @ 2.0% per year = 2196.4 SF/yr   | 2004 DEC Rate * Implicit Deflator                     |
| Replace 80-mil HDPE                    | 154.0  | SF   | \$2.85      | \$438    | \$438    | 7700 SF @ 2.0% per year = 154.0 SF/yr  | 2004 DEC Rate * Implicit Deflator                     |
| Replace Soil/Grass Cover               | 0.017  | acre | \$26,217.00 | \$446    | \$446    | 1.7 acres @ 1.0% per year = 0.017 acres/yr   | unit price based upon vegetation, topsoil, from RMU-1 |
| Subt - Cover Maintenance               |        |      |             | \$10,820 | \$10,820 | <i>Process Tank Area upper cap maintenance and replacement</i>   |   |
|  |        |      |             |          |          |  |   |
| <b>PCC-8.6 Mowing/Grooming</b>         |        |      |             |          |          |  |   |
| Mowing                                 | 75.1   | MSF  | \$3.21      | \$241    | \$241    | 75.1 MSF @ 1.0 per year = 75.1 MSF   | DEC 2004 rate * deflator (2004-2010)                  |
| Fertilizing                            | 15.0   | MSF  | \$3.82      | \$57     | \$57     | 75.1 MSF @ 1.0 per 5.0 years = 15.0 MSF  | DEC 2004 rate * deflator (2004-2010)                  |
| Subt - Mowing/Grooming                 |        |      |             | \$299    | \$299    | <i>Process Tank Area mowing and fertilizing</i>  |   |
| <i>(Subt: Assemb PCC-8.5 thru 8.6)</i> |        |      |             | \$11,118 | \$11,118 | <i>Process Tank Area cap maintenance activities: post-closure &amp; perpetual care frequency are equal</i> |   |

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

PCC-8: Process Tank Area

| Basic Closure Activities: Direct Costs  | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate                      | In-house Pricing References                               |
|---|--------------------|-----------------|------------|---|--|---|---|
| <b>PCC-8.7 Leachate System Mgmt</b>     |                    |                 |            |   |  | not applicable  |   |
| Subt - Leachate Coll Syst Mgmt          |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.7a AWTs Operation</b>          |                    |                 |            |   |  |   |   |
| Subt - AWTs Operation                   |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-8.7 thru 8.7a)        |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.8 N/A</b>                      |                    |                 |            |   |  | not applicable  |   |
| Subt - N/A                              |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.9 N/A</b>                      |                    |                 |            |   |  | not applicable  |   |
| Subt - N/A                              |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.10 N/A</b>                     |                    |                 |            |   |  | not applicable  |   |
| Subt - N/A                              |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-8.8 thru 8.10)        |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.11 Tank Assessments</b>        |                    |                 |            |   |  | not applicable  |   |
| Subt - Tank Assessments                 |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.12 Tank Assessments</b>        |                    |                 |            |   |  | not applicable  |   |
| Subt - Tank Assessments                 |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-8.11 thru 8.12)       |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.13 Replace Mon Well Pump</b>   |                    |                 |            |   |  | not applicable  |   |
| Subt - Replace Mon Well Pumps           |                    |                 |            | \$0   | \$0  |   |   |
| (Subt: Assemb PCC-8.13 thru 8.13)       |                    |                 |            | \$0   | \$0  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.14 Drainage Ditch Repair</b>   |                    |                 |            |   |  | ditches estimated to be 10 feet in width                                      |   |
| Process Tank Area Drainage Ditches      |                    |                 |            |   |  | 0 LF  | drainage ditches specific to Process Tank Area            |
| Facility-wide Drainage Ditches          |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility        |
| Drainage Ditch Repair                   | 0.006              | acre            | \$5,698.00 | \$34  | \$34   | 2,825 LF x 10 ft/LF = 0.649 acres @ 1.0% per year = 0.006 acres               | unit price based upon \$5,698/acre (RMU-1 Assembly 14.20) |
| Rip-Rap Downchute Channel Repair        | 0                  | SY              | \$44.30    | \$0   | \$0  | 0 LF x 0 FT/LF @ 9.0 SF/SY @ 5.0% per year = 0.0 SY                           | unit price based upon \$44.30/SY (RMU-1 Assembly 14.19)   |
| Subt - Drainage Ditch Repair            |                    |                 |            | \$34  | \$34   | stormwater drainage ditch repair  |   |
|   |                    |                 |            |   |  |   |   |
|   |                    |                 |            |   |  |   |   |
| <b>PCC-8.15 Drainage Ditch Cleaning</b> |                    |                 |            |   |  | ditches estimated to be 10 feet wide; sediment estimated to be 4 inches deep. |   |
| Process Tank Area Drainage Ditches      |                    |                 |            |   |  | 4000 LF   | drainage ditches specific to Process Tank Area            |
| Facility-wide Drainage Ditches          |                    |                 |            |   |  | 22600 LF div by 8 units = 2825 LF   | drainage ditches in non-specific areas of facility        |
| Drainage Ditch Sediment Cleaning        | 8.4                | CY              | \$2.38     | \$20  | \$20   | 6,825.0 LF x 10.0 ft/LF x 0.333 feet (4") = 1206 CY @ 1%/yr = 8.4 CY          | unit price based upon FAC Ponds 1/2 excavation (6.11)     |
| Transportation of Ditch Sediment        | 5                  | miles           | \$3.25     | \$16  | \$16   | 11.3 tons @ 20 tons/load = 0.6 loads @ 5 miles per load = 5.0 miles           | nit price based upon FAC Ponds 1/2 transportation (6.13)  |
| Disposal of Ditch Sediment              | 11.3               | ton             | \$35.00    | \$396   | \$396  | 8.4 CY @ 1.35 ton/CY = 11.3 tons  | unit price based upon FAC Ponds 1/2 disposal (6.14)       |
| Subt - Drainage Ditch Cleaning          |                    |                 |            | \$432   | \$432  | stormwater drainage ditch cleaning  |   |
|   |                    |                 |            |   |  |   |   |

PCC-8: Process Tank Area

| Basic Closure Activities: Direct Costs | Estimated Quantity | Unit of Measure | Unit Price | 2011 CWM Extended Price - Annual Cost Post Closure Period | 2011 CWM Extended Price - Annual Cost Perpetual Care | Basis of Production and Quantities for In-house Estimate | In-house Pricing References |
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|
|--|--------------------|-----------------|------------|---|--|--|-----------------------------|

|  |       |       |         |                |                |  |   |
|--|-------|-------|---------|----------------|----------------|--|---|
| <b>PCC-8.16 Basin Cleaning</b>           |       |       |         |                |                | sediment estimated to be 4 inches deep.  |   |
| <i>Basin No. 1</i>                       |       |       |         |                |                | <i>140625 SF div by 8 units = 17578 SF</i>   |   |
| <i>Basin No. 2</i>                       |       |       |         |                |                | <i>150000 SF div by 8 units = 18750 SF</i>   |   |
| Basin Sediment Cleaning                  | 89.6  | CY    | \$2.38  | \$213          | \$213          | 36,328 SF x 0.333 feet (4") = 448.0 CY @ 20% per year = 89.6 CY  | unit price based upon FAC Ponds 1/2 excavation (6.11) |
| Transportation of Basin Sediment         | 30.0  | miles | \$3.25  | \$98           | \$98           | 121.0 tons @ 20 tons/load = 6.0 loads @ 5 miles/load = 30 miles  | unit price based upon FAC Ponds 1/2 excavation (6.13) |
| Disposal of Basin Sediment               | 121.0 | ton   | \$35.00 | \$4,235        | \$4,235        | 89.6 CY @ 1.35 ton/CY = 121.0 tons   | unit price based upon FAC Ponds 1/2 excavation (6.14) |
| Subt--Basin Cleaning                     |       |       |         | <b>\$4,546</b> | <b>\$4,546</b> | <i>facility stormwater basin cleaning</i>  |   |
|  |       |       |         |                |                |  |   |
| <b>PCC-8.17 Culvert Maint/Replace</b>    |       |       |         |                |                | avg culvert = 25' (SLF 11) & 40' (sitewide); various diameters   |   |
| <i>Process Tank Area Culverts</i>        |       |       |         |                |                | <i>0 culverts x 40 feet long = 120 LF</i>  | <i>culverts specific to Process Tank Area areas</i>   |
| <i>Facility-wide Culverts</i>            |       |       |         |                |                | <i>20 culverts x 40 feet long = 800 LF div by 8 units = 100 LF</i>   | <i>culverts in non-specific areas of facility</i>     |
| Culvert Cleaning - 18" diameter avg      | 100   | LF    | \$2.14  | \$214          | \$214          | 100.0 LF   | DEC 2004 rate * deflator (2004-2010)                  |
| Repl Culvert - 18" diam avg (Proc Tank)  | 0     | LF    | \$11.61 | \$0            | \$0            | 0.0 LF @ 0.0 pipe/yr = 0.0 LF  | DEC 2004 rate * deflator (2004-2010)                  |
| Repl Culv't - 18" diam avg (sitewide)    | 40    | LF    | \$22.35 | \$894          | \$894          | 40.0 LF  | DEC 2004 rate * deflator (2004-2010)                  |
| Replace Culvert - Ditch Excavation       | 30    | CY    | \$2.96  | \$89           | \$89           | 40.0 LF x 0.75 CY/LF = 30.0 CY   | DEC 2004 rate * deflator (2004-2010)                  |
| Replace Culvert - Bkfill/Compaction      | 30    | CY    | \$3.86  | \$116          | \$116          | 30.0 CY  | DEC 2004 rate * deflator (2004-2010)                  |
| Subt - Culvert Maint/Replacement         |       |       |         | <b>\$1,313</b> | <b>\$1,313</b> | <i>culvert maintenance and replacement</i>   |   |
| <i>(Subt: Assemb PCC-8.14 thru 8.17)</i> |       |       |         | <b>\$6,325</b> | <b>\$6,325</b> | <i>Process Tank Area storm drainage maintenance &amp; replacement: post-closure &amp; perpetual care frequency are equal</i> |   |

|  |     |    |        |              |              |  |  |
|--|-----|----|--------|--------------|--------------|--|--|
| <b>PCC-8.18 Road Maint/Replace</b>       |     |    |        |              |              | gravel roads = 15 feet wide; asphalt roads = 20 feet wide            |  |
| <i>Process Tank Area Gravel Roads</i>    |     |    |        |              |              | <i>0 LF x 15 feet wide = 1500 SY @ 5% per year = 0.0 SY</i>          |  |
| <i>Facility-wide Asphalt Roads</i>       |     |    |        |              |              | <i>21120 LF x 20 feet wide = 422400 SF @ 1% per year = 4224.0 SF</i> | <i>asphalt roads in non-specific areas of facility</i> |
| Proc Tank Area Gravel Road Repair        | 0   | SY | \$3.12 | \$0          | \$0          | 0.0 SY   | DEC 2004 rate * deflator (2004-2010)                   |
| Facility-wide Asphalt Roads              | 528 | SF | \$1.35 | \$712        | \$712        | 4,224.0 SF div by 8 units = 528.0 SF                                 | DEC 2004 rate * deflator (2004-2010)                   |
| Subt - Road Maint/Replacement            |     |    |        | <b>\$712</b> | <b>\$712</b> | <i>road maintenance and replacement</i>                              |  |
| <i>(Subt: Assemb PCC-8.18 thru 8.18)</i> |     |    |        | <b>\$712</b> | <b>\$712</b> | <i>Process Tank Area road maintenance &amp; replacement</i>          |  |

Total Non-Super hours 56.5

|  |     |       |         |              |              |   |   |
|--|-----|-------|---------|--------------|--------------|---|---|
| <b>PCC-8.19 PPE Use/H&amp;S Planning</b> |     |       |         |              |              | Level C @ 10%; Mod Level C @ 15%; Level D @ 75% for tot non-supv hrs for all tasks; HASP @ 2.5% of non-supv hrs |   |
| PPE Usage - Level D                      | 5.3 | days  | \$0.00  | \$0          | \$0          | 56.5 hours @ 8 hr/day = 7.1 days @ 75% "D" days = 5.3 days  | 75% of non-supv hrs in Level D (used facility price: \$0/day)     |
| PPE Usage - Mod Level C                  | 1.1 | days  | \$9.00  | \$10         | \$10         | 56.5 hours @ 8 hr/day = 7.1 days @ 15% "Mod C" days = 1.1 days  | 15% of non-supv hrs in Mod Level C (used facility price: \$9/day) |
| PPE Usage - Level C                      | 0.7 | days  | \$25.00 | \$18         | \$18         | 56.5 hours @ 8 hr/day = 7.1 days @ 10% "C" days = 0.7 days  | 10% of non-supv hrs in Level C (used facility price: \$25/day)    |
| Health & Safety Officer                  | 1.4 | hours | \$75.00 | \$105        | \$105        | 56.5 hours @ 2.5% hr/hr = 1.4 hours   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subt - PPE Usage/H&S Planning            |     |       |         | <b>\$132</b> | <b>\$132</b> |   |   |
|  |     |       |         |              |              |   |   |
| <b>PCC-8.20 Supervision</b>              |     |       |         |              |              |   |   |
| Foreman                                  | 0   | hours | \$65.00 | \$0          | \$0          | Included in AWTS Assemblies of PCC-1 through PCC-6 and CM-1   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Site Project Manager                     | 0   | hours | \$75.00 | \$0          | \$0          | Included in Gen'l Contractor G&A/Home Office indirect costs   | loaded labor rate: loaded labor rate 2011 3rd party quote         |
| Subtotal - Supervision                   |     |       |         | <b>\$0</b>   | <b>\$0</b>   |   |   |
| <i>(Subt: Assemb PCC-8.19 thru 8.20)</i> |     |       |         | <b>\$132</b> | <b>\$132</b> | supervision, health & safety, and certification   |   |

|   |  |  |  |                 |                 |
|---|--|--|--|-----------------|-----------------|
| <b>PCC 8: Process Tank Area Direct Cost</b> |  |  |  | <b>\$30,600</b> | <b>\$30,600</b> |
|---|--|--|--|-----------------|-----------------|

Overall Site-Wide Post Closure Cost Estimate  
6/6/2012

| PCC-8: Process Tank Area         |                                 |  |                                       |   |
|----------------------------------|---------------------------------|--|---------------------------------------|---|
| Total Cost Summary               |                                 |  |                                       |   |
| Cost Category                    | Proposed Percent of Direct Cost | Proposed Annual Cost Post - Closure Period | Proposed Cost - Annual Perpetual Care | Cost Range  |
| Direct Costs                     |                                 | \$30,600                                   | \$30,600                              |   |
|                                  |                                 |  |                                       |   |
| Plus Indirect Costs/Profit:      |                                 |  |                                       |   |
| Site Activity Management Costs   | 3.00%                           | \$918                                      | \$918.00                              | Included in Gen'l Contractor G&A/Home Office (note: DEC uses 3%)                        |
| Gen'l Contractor G&A/Home Office | 4.00%                           | \$1,224                                    | \$1,224                               | 5% for post-closure. (note: DEC uses 4%)  |
| Pre-Construction Design Costs    | 1.00%                           | \$306                                      | \$306.00                              | For post-closure, design costs minimal and included in Assb 8.20. (note: DEC uses 1%)   |
| Engineering During Construction  | 1.00%                           | \$306                                      | \$306.00                              | For post-closure, design costs minimal and included in Assb 8.20. (note: DEC uses 1%)   |
| General Contractor Profit        | 6.00%                           | \$1,836                                    | \$1,836                               | Contractor Profit included in unit rates & Gen' Cont G&A/Home Office (Note DEC adds 6%) |
| Indirect Costs & Profit          | 15.00%                          | \$4,590                                    | \$4,590                               |   |
|                                  |                                 |  |                                       |   |
| Subtotal - Direct/Indirect Costs |                                 | \$35,190                                   | \$35,190                              |   |
|                                  |                                 |  |                                       |   |
| Plus Contingency                 | 15.00%                          | \$5,279                                    | \$5,279                               | DEC uses 15% applied to total cost  |
|                                  |                                 |  |                                       |   |
| Total - PCC-8: Process Tank Area |                                 | \$40,469                                   | \$40,469                              |   |
|                                  |                                 |  |                                       |   |

### Process Tank Area Years of Post Closure

Years Since Closure

N/A

Post Closure Years Remaining

30

|                                    |  |                    |
|------------------------------------|--|--------------------|
| Post Closure Costs Remaining Years |  | <b>\$1,214,055</b> |
| Post Closure Costs 30-Years        |  | <b>\$1,214,055</b> |

**CLOSURE & POST-CLOSURE COST ESTIMATE**  
**UNIT RATES**

**Unit Rates**  
**Closure & Post-Closure Cost Estimates**  
**CWM Chemical Services, LLC, Model City, New York**

|                                    | DEC - 2004 |              | CWM 2011   |              |                  |
|------------------------------------|------------|--------------|------------|--------------|------------------|
| <b>Labor</b>                       | <b>UOM</b> | <b>Price</b> | <b>UOM</b> | <b>Price</b> | <b>Reference</b> |
| Laborer                            | hours      | \$39.30      | hours      | \$39.00      | ESG, Inc. quote  |
| Maintenance Laborer                |            |              | hours      | \$45.00      | ESG, Inc. quote  |
| Driver                             | hours      | \$40.30      | hours      | \$45.00      | ESG, Inc. quote  |
| Equipment Operator - Medium        | hours      | \$50.70      | hours      | \$45.00      | ESG, Inc. quote  |
| Equipment Operator - Heavy (crane) | hours      | \$52.40      | hours      | \$50.00      | ESG, Inc. quote  |
| Technician/Sampler                 | hours      | \$37.20      | hours      | \$38.00      | ESG, Inc. quote  |
| Sr. Technician/Sampler             | hours      | \$42.50      | hours      | \$50.00      | ESG, Inc. quote  |
| Chemist                            | hours      | \$42.21      | hours      | \$75.00      | ESG, Inc. quote  |
| AWTS Technician                    |            |              | hours      | \$65.00      | ESG, Inc. quote  |
| AWTS Supervisor                    |            |              | hours      | \$85.00      | ESG, Inc. quote  |
| Foreman                            | hours      | \$55.45      | hours      | \$65.00      | ESG, Inc. quote  |
| Site Project Manager               | hours      | \$59.72      | hours      | \$75.00      | ESG, Inc. quote  |
| AWTS Engineer                      |            |              | hours      | \$90.00      | ESG, Inc. quote  |
| Safety Engineer                    | hours      | \$57.82      | hours      | \$75.00      | ESG, Inc. quote  |
| Certification Engineer             | hours      | \$91.55      | hours      | \$130.00     | ESG, Inc. quote  |
| Certification Clerical             | hours      | \$33.65      | hours      | \$45.00      | ESG, Inc. quote  |

|  | DEC - 2004 |              | CWM 2011   |              |  |
|--|------------|--------------|------------|--------------|--|
| <b>Equipment Units</b>                       | <b>UOM</b> | <b>Price</b> | <b>UOM</b> | <b>Price</b> | <b>Reference</b>                           |
| Forklift (12' lift, 2WD, gas)                | hours      | \$17.30      | hour       | \$22.21      | RSM/HC p. 470 (line item 01 54 33 40 2020) |
| Road Tractor (330 HP)                        | hours      | \$30.05      | hour       | \$32.45      | RSM/HC p. 472 (line item 01 54 33 40 7410) |
| Flatbed Trailer (40 ton)                     | hours      | \$17.85      | hour       | \$6.26       | RSM/HC p. 472 (line item 01 54 33 40 6600) |
| Tank Trailer (5K gal - 6K gal)               | hours      | \$18.00      | hour       | \$6.31       | RSM/HC p. 472 (line item 01 54 33 40 6900) |
| Rolloff (30 CY)                              | hours      | \$16.63      | hour       | \$19.02      | dumpster RSM/BC p. 42 (02225-730-0800)     |
| Dump Trailer (20 CY)                         | hours      | \$14.95      | hour       | \$5.20       | RSM/HC p. 469 (line item 01 54 33 20 5400) |
| Small Loader (shovel/backhoe bucket 0.5 CY)  | hours      | \$19.10      | hour       | \$2.12       | RSM/HC p. 468 (line item 01 54 33 20 3860) |
| Medium Loader (1 CY articulated, 70 HP)      | hours      | \$25.28      | hour       | \$14.39      | RSM/HC p. 468 (line item 01 54 33 20 4610) |
| Large Loader (articulated, 185HP)            | hours      | \$39.12      | hour       | \$30.03      | RSM/HC p. 469 (line item 01 54 33 20 4730) |
| Yard Crane (80-ton Truck mounted, hydraulic) | hours      | \$81.80      | hour       | \$86.31      | RSM/HC p. 474 (line item 01 54 33 60 2700) |
| Excavator (3/4 CY bucket)                    | hours      | \$65.50      | hour       | \$29.98      | RSM/HC p. 466 (line item 01 54 33 20 0140) |
| Medium Excavator (2.5 CY bucket)             |            |              | hour       | \$84.09      | RSM/HC p. 467 (line item 01 54 33 20 0320) |
| Large Excavator (4.5 CY bucket)              |            |              | hour       | \$135.93     | RSM/HC p. 477 (line item 01 54 33 20 0330) |
| Hydraulic Hammer (11000 ft-lb)               | hours      | \$18.15      | hour       | \$20.59      | RSM/HC p. 467 (line item 01 54 33 20 0349) |
| Claw Attachment                              | hours      | \$16.15      | hour       | \$2.47       | RSM/HC p. 477 (line item 01 54 33 20 0345) |
| Shears Attachment                            | hours      | \$30.00      | hour       | \$34.40      | 2004 DEC Rate * Implicit Deflator          |
| Welding Equipment (electric, 300 amp)        | hours      | \$8.04       | hour       | \$5.41       | RSM/HC p. 473 (line item 01 54 33 40 7800) |
| Roadway Sweeper                              | hours      | \$55.63      | hour       | \$32.25      | RSM/HC p. 473 (line item 01 54 33 50 3400) |
| Grader (40,000lb Grader)                     | hours      | \$50.00      | hour       | \$45.93      | RSM/HC p. 467 (line item 01 54 33 20 1920) |
| Dozer (200 hp)                               | hours      | \$110.00     | hour       | \$56.38      | RSM/HC p. 468 (line item 01 54 33 20 4260) |
| Backhoe (1 CY)                               | hours      | \$30.50      | hour       | \$19.18      | RSM/HC p. 467 (line item 01 54 33 20 0460) |
| Skid-steer Loader, Wheeled (30 hp loader)    | hours      | \$19.10      | hour       | \$8.23       | RSM/HC p. 469 (line item 01 54 33 20 4880) |



**Unit Rates**  
**Closure & Post-Closure Cost Estimates**  
**CWM Chemical Services, LLC, Model City, New York**

|   |       |          |      |             |  |
|---|-------|----------|------|-------------|--|
| Sheepsfoot Vibratory Roller (340 hp)                        | hours | \$126.50 | hour | \$75.60     | RSM/HC p. 468 (line item 01 54 33 20 3300) |
| Smooth Drum Roller (125 hp)                                 | hours | \$41.65  | hour | \$25.70     | RSM/HC p. 468 (line item 01 54 33 20 3320) |
| Dump Truck (12-ton load)                                    | hours | \$38.25  | hour | \$24.78     | RSM/HC p. 469 (line item 01 54 33 20 5250) |
| Pickup Truck (3/4 ton, 2WD)                                 | hours | \$9.25   | hour | \$10.45     | RSM/HC p. 472 (line item 01 54 33 40 7100) |
| Tool Van  | hours | \$14.25  | hour | \$0.00      | Not Used                                   |
| Pumps 6" (Fac Pond discharge) (6" dia, 30HP)                | hours | \$8.50   | hour | \$12.34     | RSM/HC p. 475 (line item 01 54 33 70 1300) |
| Discharge Piping (8" dia) (Fac Pond discharge)              | LF    | \$0.015  | LF   | \$0.01100   | RSM/HC p. 475 (line item 01 54 33 70 0300) |
| Pumping Equipment (bulk load to tankers)                    | hours | \$62.50  | hour | \$71.67     | 2004 DEC Rate * Implicit Deflator          |
| Drum Shredder   | hours | \$287.50 | hour | \$329.70    | 2004 DEC Rate * Implicit Deflator          |
| Mixing Equipment (Stabilization)                            | hours | \$118.85 | hour | \$136.29    | 2004 DEC Rate * Implicit Deflator          |
| Pressure Washer   | hours | \$8.60   | hour | \$4.04      | RSM/HC p. 471 (line item 01 54 33 40 5450) |
| Vacuum (55-gal wet/dry)                                     | hours | \$18.75  | hour | \$3.41      | RSM/HC p. 473 (line item 01 54 33 40 7800) |
| Pressure/Vacuum Sweeper                                     |       |          | hour | \$22.94     | 2001 Rate * Implicit Deflator              |
| Steam Cleaner (200 gpm) w/ FUEL                             |       |          | hour | \$18.92     | RSM/HC p. 472 (line item 01 54 33 40 6310) |
| Air Compressor (sampling)                                   |       |          | hour | \$2.40      | RSM/HC p. 469 (line item 01 54 33 40 0196) |
| Sampling Supplies   | hours | \$25.00  |      | \$25.00     | DEC 2004 estimate                          |
| Reconditioned drums (lab pack w/ packing)                   | each  | \$100.00 |      | \$114.68    | 2004 DEC Rate * Implicit Deflator          |
| Replacement of Pump Dischg Hose                             | hose  | \$185.00 | hose | \$212.15    | 2004 DEC Rate * Implicit Deflator          |
| Replace Piping - 6" Steel                                   | LF    | \$78.23  | LF   | \$89.71     | 2004 DEC Rate * Implicit Deflator          |
| Pipe Cleaning - 8" diameter                                 | LF    | \$1.87   | LF   | \$2.14      | 2004 DEC Rate * Implicit Deflator          |
| Replace Piping - 3"   | LF    | \$11.73  | LF   | \$13.45     | 2004 DEC Rate * Implicit Deflator          |
| Goulds Submersible SLF-11, 12, RMU1 Secondary (0.5 hp)      |       |          | each | \$850.00    | CWM actual 2011 costs                      |
| Goulds Submersible SLF1-6, SLF7, 10, 11, 12, RMU-1 (1.5 hp) |       |          | each | \$1,382.40  | CWM actual 2011 costs                      |
| Goulds Submersible SLF 1-6 (2.0 hp)                         |       |          | each | \$1,490.00  | CWM actual 2011 costs                      |
| Godwin Submersible RMU-1 active cells (6.0 hp)              |       |          | each | \$5,400.00  | CWM actual 2011 costs                      |
| Godwin Submersible T-160 (30.0 hp)                          |       |          | each | \$14,425.00 | CWM actual 2011 costs                      |
| QED SLF 1-6 (air operated)                                  |       |          | each | \$2,950.00  | CWM actual 2011 costs                      |
| Grunfos GWES & SLF 1-6 (2.0 hp)                             |       |          | each | \$1,490.00  | CWM actual 2011 costs                      |
| IR Centrifugal SLF 12 OWS (15 hp)                           |       |          | each | \$12,000.00 | CWM actual 2011 costs                      |
| IR Centrifugal SLF 12 (20 hp)                               |       |          | each | \$12,000.00 | CWM actual 2011 costs                      |
| QED Air Lift (gw mon wells)                                 |       |          | each | \$900.00    | CWM actual 2011 costs                      |

| Kiln Dust/Additives/Encap Cont'rs    | DEC   |            | CWM 2011 |            | Reference                                    |
|--------------------------------------|-------|------------|----------|------------|--|
|                                      | UOM   | Price      | UOM      | Price      |  |
| Cement Kiln Dust (not inc. delivery) | tons  | \$6.85     |          |            | Included in combined rate                    |
| Cement Kiln Dust - Delivery Cost     | loads | \$300.00   |          |            | for cost of material & delivery below        |
| Portland cement                      | tons  | \$82.00    |          |            |  |
| Cement Kiln Dust - Inc. Delivery     |       |            | tons     | \$48.00    | CWM actual 2011 costs                        |
| Stabilization Costs                  |       |            | tons     | \$25.00    | CWM actual 2011 costs inc. labor & equipment |
| Absorbent Additive                   | CY    | \$33.75    |          | \$38.70    | 2004 DEC Rate * Implicit Deflator            |
| Encapsulation Container - Macro Box  | units | \$850.00   | units    | \$1,000.00 | CWM actual 2011 costs                        |
| Dismantle/Cut/Load Ductwork          | LF    | \$1.87     | LF       | \$2.14     | 2004 DEC Rate * Implicit Deflator            |
| Dismantle/Cut/Load Baghouses         | Each  | \$6,156.00 | Each     | \$7,340.17 | 2001 Rate * Implicit Deflator                |
| Grout Cracks/Joints - Conc Cover     | SF    | \$7.65     | SF       | \$8.77     | 2004 DEC Rate * Implicit Deflator            |
| Patch Concrete - Concrete Cover      | SF    | \$2.18     | SF       | \$2.50     | 2004 DEC Rate * Implicit Deflator            |
| Seal Cracks - Asphalt Cover          | SY    | \$5.60     | SY       | \$6.42     | 2004 DEC Rate * Implicit Deflator            |
| Replace Asphalt Cover                | SF    | \$1.18     | SF       | \$1.35     | 2004 DEC Rate * Implicit Deflator            |

**Unit Rates**  
**Closure & Post-Closure Cost Estimates**  
**CWM Chemical Services, LLC, Model City, New York**

|                          |     |         |    |          |                                   |
|--------------------------|-----|---------|----|----------|-----------------------------------|
| Replace 80-mil HDPE      | SF  | \$2.49  | SF | \$2.86   | 2004 DEC Rate * Implicit Deflator |
| Perimeter Fence          | LF  | \$38.00 | LF | \$20.000 | Site Experience 2010 Rate         |
| Electrical Costs - Pumps | KWH | \$0.075 |    | \$0.086  | 2004 DEC Rate * Implicit Deflator |

| Other Direct Costs                         | DEC   |            | CWM 2011 |            | Reference  |
|--|-------|------------|----------|------------|--|
|  | UOM   | Price      | UOM      | Price      |  |
| PPE Usage - Level D                        |       |            | days     | \$0.00     | Standard Work Clothes - Site Experience                |
| PPE Usage - Modified Level C               | days  | \$9.00     | days     | \$9.00     | Tyvek, gloves, overboots - Site Experience             |
| PPE Usage - Level C                        | days  | \$25.00    | days     | \$25.00    | Respirator, Tyvek, gloves, overboots - Site Experience |
| Decon Equipment (52 SF/hr)                 | hours | \$105.95   | hours    | \$121.50   | 2004 DEC Rate * Implicit Deflator                      |
| Decon Water Disposal - Onsite              | gals  | \$0.1042   |          |            | See AWT-2010 table                                     |
| Aqueous Treatment - Onsite - Mild - DMB    | gals  | \$0.1042   |          |            | See AWT-2010 table                                     |
| Aq Treatment - Onsite-Highly contaminated  | gals  | \$1.3930   |          |            | See AWT-2010 table                                     |
| Diver Inspection SPDES                     |       |            | each     | \$4,000.00 | Based on 2010 site rate of \$3,500                     |
| Lab'r/EO/loader to handle bio-media        | hours | \$115.25   | hours    | \$132.17   | 2004 DEC Rate * Implicit Deflator                      |
| Dismantle Tank/Return to Manuf. Fac Tank 3 | each  | \$5,500.00 | each     | \$6,307.28 | 2004 DEC Rate * Implicit Deflator                      |
| Labpacks (55-gal recon. steel)             | each  | \$100.00   | each     | \$114.68   | 2004 DEC Rate * Implicit Deflator                      |

| Soil Borrow - Material & Delivery - Fac Ponds | DEC   |        | CWM 2011 |       | Reference                    |
|---|-------|--------|----------|-------|------------------------------|
|   | UOM   | Price  | UOM      | Price |                              |
| Soil Borrow - Material & delivery             | CY    | \$8.85 |          |       | See RMU-1 Closure Unit Rates |
| Offsite Borrow - Transportation Cost          | miles | \$1.60 |          |       | See RMU-1 Closure Unit Rates |
| Offsite Borrow - Material Cost                | CY    | \$6.85 |          |       | See RMU-1 Closure Unit Rates |

| Fac Ponds       | DEC |         | CWM 2011 |         | Reference                         |
|-----------------|-----|---------|----------|---------|-----------------------------------|
|                 | UOM | Price   | UOM      | Price   |                                   |
| Seed/Fertilize  | MSF | \$64.50 | MSF      | \$73.97 | 2004 DEC Rate * Implicit Deflator |
| Seed/Vegetation |     |         |          |         | Included above                    |
| Fertilize       |     |         |          |         | Included above                    |

**Cost References:**

"RSM/HC" refers to the RSMeans "Heavy Construction Cost Data", 2009 Edition (rates adjusted f

"RSM/UP" refers to the RSMeans "Environmental Remediation Cost Data - Unit Price", 2004 Edition (rates adjusted for inflation)

"RSM/BC" refers to the RSMeans "Building Construction Cost Data", 2003 Edition (rates adjusted for inflation)

**Rate Adjustment for inflation:**

2011 Rate = 110.992 (2010 GDP) ÷ 96.786 (2004 GDP) = 1.147

2011 Rate = 110.992 (2010 GDP) ÷ 90.727 (2001 GDP) = 1.223

Last Revised on January 23, 2012

**Analytical Cost Unit Rates**  
**Closure & Post-Closure Cost Estimates**  
**CWM Chemical Services, LLC, Model City, New York**

| Outfall 001                               | DEC 2004 |            | CWM 2001 |            | CWM 2011 (2) |            |           |                          |
|---|----------|------------|----------|------------|--------------|------------|-----------|--------------------------|
| Laboratory - SPDES Prequalification       | UOM      | Price      | UOM      | Price      | UOM          | Price      | Frequency | Reference                |
| Surfactants (MBAS)                        | samp     | \$36.50    |          |            | samp         | \$28.33    | 3/event   | Avg. of three lab quotes |
| BOD-5                                     | samp     | \$30.00    | samp     | \$14.00    | samp         | \$30.00    | 3/event   | Avg. of three lab quotes |
| Total Suspended Solids (TSS)              | samp     | \$10.35    | samp     | \$9.00     | samp         | \$13.33    | 3/event   | Avg. of three lab quotes |
| Settleable Solids                         | samp     | \$13.10    | samp     | \$5.00     | samp         | \$13.33    | 3/event   | Avg. of three lab quotes |
| Ammonia (NH <sub>3</sub> )                | samp     | \$27.00    | samp     | \$9.00     | samp         | \$22.67    | 3/event   | Avg. of three lab quotes |
| Phosphorous                               |          |            |          |            | samp         | \$20.00    | 3/event   | Avg. of three lab quotes |
| TON (TKN-NH3)                             |          |            |          |            | samp         | \$41.67    | 3/event   | Avg. of three lab quotes |
| Cyanide                                   |          |            | samp     | \$139.00   | samp         | \$35.00    | 3/event   | Avg. of three lab quotes |
| Alkalinity as CaCO <sub>3</sub>           |          |            |          |            | samp         | \$15.33    | 3/event   | Avg. of three lab quotes |
| TOC                                       | samp     | \$23.50    |          |            | samp         | \$31.67    | 3/event   | Avg. of three lab quotes |
| Semi-volatile organics (625)              | samp     | \$472.50   | samp     | \$193.00   | samp         | \$208.33   | 3/event   | Avg. of three lab quotes |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) | samp     | \$224.66   | samp     | \$65.00    | samp         | \$133.33   | 3/event   | Avg. of three lab quotes |
| VOCs (624)                                | samp     | \$203.56   | samp     | \$96.00    | samp         | \$105.00   | 3/event   | Avg. of three lab quotes |
| Oil & Grease (1631)                       |          |            | samp     | \$38.00    | samp         | \$21.67    | 3/event   | Avg. of three lab quotes |
| Sulfates                                  | samp     | \$17.40    |          |            | samp         | \$21.00    | 3/event   | Avg. of three lab quotes |
| Sulfides                                  |          |            |          |            | samp         | \$25.00    | 3/event   | Avg. of three lab quotes |
| total Phenols                             |          |            | samp     | \$139.00   | samp         | \$26.67    | 3/event   | Avg. of three lab quotes |
| Priority Pollutant Metals (200.7) *       | samp     | \$307.99   |          |            | samp         | \$188.00   | 3/event   | Avg. of three lab quotes |
| Mercury (245.1)                           |          |            |          |            | samp         | \$25.00    | 3/event   | Avg. of three lab quotes |
| Mercury (1631B)                           |          |            |          |            | samp         | \$111.67   | 3/event   | Avg. of three lab quotes |
| Ca/Mg Hardness (200.7)                    |          |            |          |            | samp         | \$24.33    | 3/event   | Avg. of three lab quotes |
| Specific Conductance                      | samp     | \$11.23    | samp     | \$10.00    | samp         | \$13.33    | 3/event   | Avg. of three lab quotes |
| pH  | samp     | \$6.15     | samp     | \$10.00    | samp         | \$10.67    | 3/event   | Avg. of three lab quotes |
| Total Dissolved solids (TDS)              |          |            | samp     | \$9.00     | samp         | \$15.00    | 3/event   | Avg. of three lab quotes |
| TDVS (total dissolved volatile solids)    |          |            |          |            | samp         | \$23.33    | 3/event   | Avg. of three lab quotes |
| Fluoride                                  |          |            |          |            | samp         | \$19.33    | 3/event   | Avg. of three lab quotes |
| Chlorine                                  |          |            |          |            | samp         | \$19.33    | 3/event   | Avg. of three lab quotes |
| Residual Chlorine                         |          |            |          |            | samp         | \$15.00    | 3/event   | Avg. of two lab quotes   |
| NO <sub>2</sub>                           |          |            |          |            | samp         | \$21.00    | 3/event   | Avg. of three lab quotes |
| NO <sub>3</sub>                           |          |            |          |            | samp         | \$19.33    | 3/event   | Avg. of three lab quotes |
| Temperature                               | samp     | \$10.87    |          |            | samp         | field **   | 3/event   | Avg. of three lab quotes |
| Dissolved Oxygen                          | samp     | \$25.72    | samp     | \$10.00    | samp         | field **   | 3/event   | Avg. of three lab quotes |
| Sampling Equipment                        | hours    | \$25.00    |          |            | samp         | \$25.00    |           |                          |
| Sampling Supplies                         | samp     | \$25.00    |          |            | samp         | \$25.00    |           |                          |
| Acute Toxicity/Bioassay                   | samp     | \$2,000.00 | samp     | \$2,000.00 |              | \$3,800.00 | one/event | Actual 2010 costs        |

Note: Analyses based on current approved SPDES Permit

**Analytical Cost Unit Rates**  
**Closure & Post-Closure Cost Estimates**  
**CWM Chemical Services, LLC, Model City, New York**

\* Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, Ag, Sn, Ti, V, Zn, Se, Sr

\*\* Field measurement

(1) Third Part Contract laboratory rates for 2011. Average of 3 quotes.

| <b>OUTFALLS 002, 003, 004</b>             | <b>DEC</b> |              | <b>CWM 2001</b> |              | <b>CWM 2011 (2)</b> |              |                  |                             |
|---|------------|--------------|-----------------|--------------|---------------------|--------------|------------------|-----------------------------|
| <b>Laboratory - SPDES</b>                 | <b>UOM</b> | <b>Price</b> | <b>UOM</b>      | <b>Price</b> | <b>UOM</b>          | <b>Price</b> | <b>Frequency</b> | <b>Reference</b>            |
| pH  |            |              | samp            | \$10.00      | samp                | \$10.67      | weekly           | Avg. of three lab quotes    |
| Specific Conductance                      |            |              | samp            | \$10.00      | samp                | \$13.33      | weekly           | Avg. of three lab quotes    |
| Total Suspended Solids (TSS)              |            |              | samp            |              | samp                | \$13.33      | weekly           | Avg. of three lab quotes    |
| Total Dissolved solids                    |            |              | samp            | \$9.00       | samp                | \$15.00      | weekly           | Avg. of three lab quotes    |
| Settleable Solids                         |            |              | samp            | \$5.00       | samp                | \$13.33      | daily            | Avg. of three lab quotes    |
| BOD-5                                     |            |              | samp            | \$14.00      | samp                | \$31.67      | monthly          | Avg. of three lab quotes    |
| Dissolved Oxygen                          |            |              | samp            | \$10.00      | samp                | \$17.50      | monthly          | Avg. of two lab quotes      |
| Ammonia (NH <sub>3</sub> )                |            |              | samp            | \$9.00       | samp                | \$22.67      | monthly          | Avg. of three lab quotes    |
| VOCs (624)                                |            |              | samp            | \$96.00      | samp                | \$105.00     | 2/month          | Avg. of three lab quotes    |
| Oil & Grease (1631)                       |            |              | samp            | \$38.00      | samp                | \$40.00      | 2/month          | Avg. of three lab quotes    |
| Copper                                    |            |              | samp            | \$5.00       | samp                | \$17.67      | monthly          | Avg. of three lab quotes    |
| Zinc                                      |            |              | samp            | \$5.00       | samp                | \$17.67      | monthly          | Avg. of three lab quotes    |
| Phenols                                   |            |              | samp            | \$12.00      | samp                | \$26.67      | monthly          | Avg. of three lab quotes    |
| Pesticides/PCBs (608) (MDL 65 PPT (ng/l)) |            |              | samp            | \$56.00      | samp                | \$133.33     | weekly           | Avg. of three lab quotes    |
| 2-Chloroethyl vinyl ether                 |            |              |                 |              | samp                | \$86.67      | 2/month          | Avg. of three lab quotes    |
| Dichlorodifluoromethane                   |            |              |                 |              | samp                | \$75.00      | 2/month          | Avg. of two lab quotes **** |
| Methylene chloride                        |            |              |                 |              | samp                | \$75.00      | 2/month          | Avg. of two lab quotes **** |

Note: Analyses based on current approved SPDES Permit

|   | <b>DEC</b> |              | <b>CWM 2001</b> |              | <b>CWM 2011 (2)</b> |              | <b>Reference</b>         |
|---|------------|--------------|-----------------|--------------|---------------------|--------------|--------------------------|
| <b>Laboratory- Other</b>  | <b>UOM</b> | <b>Price</b> | <b>UOM</b>      | <b>Price</b> | <b>UOM</b>          | <b>Price</b> |                          |
| Chemical Characterization (for leachate primaries)**              |            |              | samp            | \$1,200.00   | samp                | \$181.67     | Avg. of three lab quotes |
| Priority Poll'nt Organics soil/Organic Priority Pollutants (OPP)* | samp       | \$472.50     | samp            | \$345.00     | samp                | \$615.00     | Avg. of three lab quotes |
| Pest/PCBs Soil  | samp       | \$224.66     | samp            | \$56.00      | samp                | \$131.67     | Avg. of three lab quotes |
| PCB Analysis/Wipe Test (SW 8081/8082)                             | samp       | \$167.13     | samp            | \$70.00      | samp                | \$83.33      | Avg. of three lab quotes |
| Priority Pollutant Acid Extractable (Base Neutral)                |            |              | samp            | \$193.00     | samp                | \$195.00     | Avg. of three lab quotes |
| Priority Pollutant VOCs   | samp       | \$203.56     | samp            | \$96.00      | samp                | \$105.00     | Avg. of three lab quotes |
| VOC Analysis (EPA 624)  | samp       | \$203.56     | samp            | \$96.00      | samp                | \$105.00     | Avg. of three lab quotes |
| VOC Site Specific (VOCs)  |            |              | samp            | \$96.00      | samp                | \$105.00     | Avg. of three lab quotes |
| TCLP/Priority Pollutant Metals ***                                |            |              | samp            | \$108.00     | samp                | \$160.00     | Avg. of three lab quotes |
| TCLP (Metals/VOCs/Semi-VOCs)                                      | samp       | \$661.00     | samp            | \$239.00     | samp                | \$446.67     | Avg. of three lab quotes |

**Analytical Cost Unit Rates  
Closure & Post-Closure Cost Estimates  
CWM Chemical Services, LLC, Model City, New York**

|   |      |            |      |            |      |            |                          |
|---|------|------------|------|------------|------|------------|--------------------------|
| TCLP (RCRA EPA 1311)  | samp | \$585.00   | samp | \$239.00   | samp | \$348.33   | Avg. of three lab quotes |
| TCLP VOCs   |      |            | samp | \$131.00   | samp | \$145.00   | Avg. of three lab quotes |
| Total Priority Pollutants (TPP)   |      |            | samp | \$472.00   | samp | \$633.33   | Avg. of three lab quotes |
| Priority Pollutant Metals soil  | samp | \$307.99   | samp | \$108.00   | samp | \$158.33   | Avg. of three lab quotes |
| Toxic Metals, Cyanide, Phenols (Metals)   |      |            | samp | \$139.00   | samp | \$155.00   | Avg. of three lab quotes |
| 6NYCRR Part 371, Appendix 33 Constituents/USEPA 40CFR Part 264 Append IX (soil) | samp | \$1,200.00 | samp | \$1,200.00 | samp | \$1,226.67 | Avg. of three lab quotes |

\* OPP analysis includes Priority Pollutant Volatile Organic, PCB, Pesticides, SVOCs, and Priority Pollutant metals, cyanide.

\*\* Chemical Characterization includes, but is not limited to, analysis for PCBs and VOCs.

\*\*\* Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn

\*\*\*\* - Tested in one 624 run.

Transportation & Disposal Unit Rates  
Closure & Post-Closure Cost Estimates  
CWM Chemical Services, LLC, Model City, New York

|  |                        |  |          | DEC Estimate       |                    |                    |  | CWM Estimate       |                    |  |   |
|--|------------------------|--|----------|--------------------|--------------------|--------------------|--|--------------------|--------------------|--|---|
| Waste Type                                     | Disposal Method        | CWM Assumed Disposal Site  | UOM      | 2004 Per Unit Cost | NYS Deflator: 2010 | 2010 Per Unit Cost | Reference  | 2001 Per unit cost | 2011 Per unit cost | Reference  |   |
| Lab Packs (<55 gal)                            | Incineration           | WTI, OH  | pound    | \$2.43             | 1.147              | \$2.79             | avg of 3 unit prices                               | \$1.50             | \$1.91             | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing   |   |
| Misc. Labpacks - Landfill off-site             | Landfill               |  | Lab Pack | \$292.00           | 1.147              | \$334.92           | avg of 3 unit prices                               |                    | \$341.00           | DEC 2004 Estimate accounting for inflation & CWM 2011 cost comparison industry pricing based on currrent market conditions |   |
| Bulk Non-PCB Org Liquids                       | Incineration           | Veolia ES Technical Solutions (Veolia) Port Arthur, TX Treatment Complex | pound    |                    | 1.147              | \$0.00             |  |                    | \$0.35             | HWC/ETC 2004 & Current third party rate  |   |
|  |                        |  | gal      | \$3.55             | 1.147              | \$4.07             | avg of 3 unit prices                               | \$2.80             | \$3.15             | HWC/ETC 2004 & Current third party rate  |   |
| PCB organic phase liquids                      | Incineration           | Veolia ES Technical Solutions (Veolia) Port Arthur, TX Treatment Complex | pound    |                    | 1.147              | \$0.00             |  | \$0.28             | \$0.52             | HWC/ETC 2004 & Current third party rate  |   |
|  |                        |  | gal      | \$4.88             | 1.147              | \$5.60             | avg of 5 unit prices                               | \$2.80             | \$4.68             | HWC/ETC 2004 & Current third party rate  |   |
| PCB water phase liquids                        | Incineration           | Veolia Port Arthur, TX   | pound    | n/c                | 1.147              |                    |  | \$0.28             | \$0.52             | HWC/ETC 2004 & Current third party rate  |   |
|  |                        |  | gal      | n/c                | 1.147              |                    |  | \$3.30             | \$4.33             | HWC/ETC 2004 & Current third party rate  |   |
| SLF-7 Leachate                                 | Deep Well Injection    | WM Vickery   | pound    | n/c                | 1.147              |                    |  |                    | \$0.25             |  |   |
|  |                        |  | gal      | n/c                | 1.147              |                    |  |                    | \$0.03             |  |   |
| Bulk PCB solids/sludges                        | Incineration           | Veolia Port Arthur, TX   | pound    | \$0.73             | 1.147              | \$0.84             | avg of 3 unit prices                               | \$0.60             | \$0.64             | Current CWM 2011 third party rate  |   |
| Bulk PCB Solids                                | Landfill               |  | ton      | \$86.25            | 1.147              | \$98.93            | avg of 2 unit prices                               |                    | \$90.00            | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions                                |   |
| Bulk RCRA Solids                               | Landfill-w/treatment   | Michigan   | ton      | \$130.00           | 1.147              | \$149.11           | HWRC '03 for landfill bulk haz waste w/o treatment |                    | \$133.00           | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions                                | Stab Waste/Fac Pond Sediment/Hazardous Waste Resource Center/Environmental Technology Council (ETC) |
|  | Landfill-w/o treatment | Michigan   | ton      | \$86.25            | 1.147              | \$98.93            | avg of 2 unit prices                               |                    | \$90.00            | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions                                |   |
| Tanks/Tank System Debris/Macro-Box/RCRA Debris | Landfill               | Michigan   | CF       | \$10.90            | 1.147              | \$12.50            | RS Means   |                    | \$12.50            | DEC 2004 Estimate accounting for inflation   | material placed in macro-box onsite   |
|  |                        |  | CY       |                    | 1.147              | \$0.00             |  |                    | \$337.50           | DEC 2004 Estimate accounting for inflation   |   |
| Large PCB Transformer                          | Landfill               | Michigan   | CY       | \$294.00           | 1.147              | \$337.22           | RS Means   |                    | \$12.50            | DEC 2004 Estimate accounting for inflation   |   |
|  |                        |  | CF       |                    | 1.147              | \$0.00             |  |                    | \$337.50           | DEC 2004 Estimate accounting for inflation   |   |
| Offsite Disposal - Concrete Debris/Non-Haz     | Landfill               | New York State 'D' Landfill  | tons     | \$27.00            | 1.147              | \$30.97            | EPA Data   |                    | \$35.00            | Non-Haz Disposal/Site Experience   |   |
| Drum PCB Solids                                | Landfill               | Michigan   | drum     | \$98.75            | 1.147              | \$113.27           | avg of 2 unit prices                               |                    | \$100.00           | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions                                |   |
| Drum RCRA Solids                               | Landfill               | Michigan   | drum     | \$98.75            | 1.147              | \$113.27           | avg of 2 unit prices                               |                    | \$100.00           | HWC/ETC 2004 & CWM 2011 cost comparison industry pricing based on current market conditions                                |   |
| Carbon Regeneration                            | n/a                    | Siemans  | pound    | \$0.265            | 1.147              | \$0.30             | avg of 2 unit prices                               | \$0.2813           | \$0.37             | Current third party rate (Seimans) - Actual Cost Site Experience   | CWM rate includes transport   |

2010 Rate = 110.654 (2010 GDP) ÷ 96.77 (2004 GDP)

HWC/ETC 2004 = Hazardous Waste Resource Center/Environmental Technology Council (ETC)

Transportation & Disposal Unit Rates  
Closure & Post-Closure Cost Estimates  
CWM Chemical Services, LLC, Model City, New York

TRANSPORTATION COSTS (add to facility list as per above)

| Facility            | UOM   | Distance to Facility from Model City<br>Facility |
|---------------------|-------|--|
|                     |       |  |
| CWM Port Arthur, TX | miles | 1529   |
| Resource Recovery   | miles | 440  |
| WTI, OH             | miles | 255  |
| WM Vickery          | miles | 295  |
| Wayne Disposal, MI  | miles | 385  |
| Siemans             | miles | 232  |
| Modern              | miles | 5  |
|                     |       |  |

|           |       |
|-----------|-------|
| 2004-2009 | 1.134 |
| 2004-2010 | 1.147 |
| 2001-2010 | 1.223 |
| 2009-2010 | 1.012 |

| Equipment Type       | UOM  | 2001 Cost per loaded mile | 2011 Cost per<br>loaded mile |
|----------------------|------|---------------------------|------------------------------|
| Van Trailer          | mile | \$2.70                    | \$3.25                       |
| Dump Trailer         | mile | \$3.25                    | \$2.70                       |
| Flatbed              | mile | \$3.50                    | \$3.50                       |
| Tanker truck         | mile | \$3.50                    | \$3.50                       |
| Roll-off Transporter | mile | \$3.25                    | \$3.25                       |

Leachate and Site Waters Treatment  
Costs

| Summary costs (without labor and<br>maintenance): | Treatment \$/Gal. |
|---|-------------------|
| SLF 1-6   | \$1.8244          |
| SLF 7   | \$0.2195          |
| SLF 10  | \$0.2195          |
| SLF 11  | \$0.3532          |
| SLF 12  | \$0.1526          |
| RMU-1   | \$0.0178          |
| Site Waters                                       | \$0.0313          |
| Groundwater                                       | \$0.1526          |
| OTHER   | \$0.1526          |
| Total   | \$0.0453          |

Note: Leachate treatment costs from unit costs table  
AWTS Labor in Assembly 13.0 - third Party leachate treatment costs to operate facility

**Leachate Treatment Unit Rates  
Closure & Post-Closure Cost Estimates  
CWM Chemical Services, LLC, Model City, New York**

**AQUEOUS WASTEWATER TREATMENT (AWT): Variable Cost**

Assume fixed cost = 0; labor/maintenance excluded and separately estimated.

Variable cost = oil and filter cake disposal, reagents.

**Based upon actual 2010 volumes, actual treatment and disposal costs as invoiced.**

2010 cost for transportation and disposal of leachate oil and filter cake

(Leachate oil to Port Arthur; 100% of filter cake to Port Arthur, 0% of filter cake to Stablex):

|                | Leachate<br>Oil (lb.) | Filter Cake (lb.)<br>to Port Arthur | Filter Cake (lb.)<br>to Stablex | Filter Cake (lb.)<br>Overall |
|----------------|-----------------------|-------------------------------------|---------------------------------|------------------------------|
| Disposal       | \$ 0.52               | \$ 0.34                             |                                 | \$ 0.34                      |
| Transportation | \$ 0.24               | \$ 0.13                             |                                 | \$ 0.13                      |
| Total          | \$ 0.76               | \$ 0.47                             |                                 | \$ 0.47                      |

Total 2010 gallons generated:

|             | Total<br>Gallons | % Oil<br>* | Gallons<br>Oil | % Aqueous | Gallons<br>Aqueous |
|-------------|------------------|------------|----------------|-----------|--------------------|
| SLF 1-6     | 114,110          | 25         | 28,528         | 75        | 85,583             |
| SLF 7       | 51,800           | 1          | 518            | 99        | 51,282             |
| SLF 10      | 61,325           | 1          | 613            | 99        | 60,712             |
| SLF 11      | 143,283          | 3          | 4,298          | 97        | 138,985            |
| SLF 12      | 37,765           | 0          | -              | 100       | 37,765             |
| RMU-1       | 14,666,777       | 0          | -              | 100       | 14,666,777         |
| Site Waters | 1,445,496        | 0          | -              | 100       | 1,445,496          |
| Groundwater | 616,760          | 0          | -              | 100       | 616,760            |
| OTHER       | 814,435          | 0          | -              | 100       | 814,435            |
| Total       | 17,951,751       | -          | 33,957         | -         | 17,917,794         |

\* = Based on outbound shipments of profile X0024 to Port Arthur, TX

**2010 reagent cost: Carbon = \$318,400 Carbon + treatment chemicals = \$398,000**

Reagent cost includes carbon, sulfuric acid, hydrochloric acid, ferrous sulfate and lime.

RMU-1 = **\$0.0178 /gal.**

Site Waters (90% carbon only) =

**\$0.0219 /gal.**

SLF 1-6, 7, 10, 11, 12, groundwater + other =

**\$0.0586 /gal.**

Assume 1 lb. of filter cake generated for every 5 gallons of leachate treated.

**Disposal of leachate oils:**

Leachate oil is 9 lb./gallon.

|         | Gallons<br>Oil | Disposal<br>Cost/lb. | Density<br>lb./gal. | Total<br>Cost |
|---------|----------------|----------------------|---------------------|---------------|
| SLF 1-6 | 28,528         | 0.76                 | 9                   | \$ 195,128    |
| SLF 7   | 518            | 0.76                 | 9                   | \$ 3,543      |
| SLF 10  | 613            | 0.76                 | 9                   | \$ 4,195      |
| SLF 11  | 4,298          | 0.76                 | 9                   | \$ 29,402     |
| Total   | 33,957         | -                    | -                   | \$ 232,268    |



**Leachate Treatment Unit Rates**  
**Closure & Post-Closure Cost Estimates**  
**CWM Chemical Services, LLC, Model City, New York**

**Disposal of filter cake:**

|                 | Gallons<br>Aqueous | Filter Cake<br>(1 lb/5 gal) | Disposal<br>Cost/lb. | Total<br>Cost |
|-----------------|--------------------|-----------------------------|----------------------|---------------|
| SLF 1-6         | 85,583             | 17,117                      | \$ 0.47              | \$ 8,045      |
| SLF 7           | 51,282             | 10,256                      | \$ 0.47              | \$ 4,821      |
| SLF 10          | 60,712             | 12,142                      | \$ 0.47              | \$ 5,707      |
| SLF 11          | 138,985            | 27,797                      | \$ 0.47              | \$ 13,065     |
| SLF 12          | 37,765             | 7,553                       | \$ 0.47              | \$ 3,550      |
| RMU-1           | 14,666,777         | -                           | \$ 0.47              | \$ -          |
| 10% Site Waters | 144,550            | 28,910                      | \$ 0.47              | \$ 13,588     |
| Groundwater     | 616,760            | 123,352                     | \$ 0.47              | \$ 57,975     |
| OTHER           | 814,435            | 162,887                     | \$ 0.47              | \$ 76,557     |
| Total           | 16,616,847         | 390,014                     | \$ 0.47              | \$ 183,307    |

**Reagent Cost:**

|             | Gallons<br>Aqueous | Reagent<br>Cost/gal | Total<br>Cost |
|-------------|--------------------|---------------------|---------------|
| SLF 1-6     | 85,583             | \$ 0.0586           | \$ 5,014      |
| SLF 7       | 51,282             | \$ 0.0586           | \$ 3,005      |
| SLF 10      | 60,712             | \$ 0.0586           | \$ 3,557      |
| SLF 11      | 138,985            | \$ 0.0586           | \$ 8,143      |
| SLF 12      | 37,765             | \$ 0.0586           | \$ 2,213      |
| RMU-1       | 14,666,777         | \$ 0.0178           | \$ 260,629    |
| Site Waters | 1,445,496          | \$ 0.0219           | \$ 31,587     |
| Groundwater | 616,760            | \$ 0.0586           | \$ 36,135     |
| OTHER       | 814,435            | \$ 0.0586           | \$ 47,717     |
| Total       | 17,917,794         |                     | \$ 398,000    |

**Summary costs (without labor and maintenance):**

|             | Oil<br>(\$) | Filter<br>Cake (\$) | Reagents<br>(\$) | Total<br>Cost (\$) | Gallons    | Treatment<br>\$/Gal. |
|-------------|-------------|---------------------|------------------|--------------------|------------|----------------------|
| SLF 1-6     | \$ 195,128  | \$ 8,045            | \$ 5,014         | \$ 208,187         | 114,110    | \$1.8244             |
| SLF 7       | \$ 3,543    | \$ 4,821            | \$ 3,005         | \$ 11,368          | 51,800     | \$0.2195             |
| SLF 10      | \$ 4,195    | \$ 5,707            | \$ 3,557         | \$ 13,459          | 61,325     | \$0.2195             |
| SLF 11      | \$ 29,402   | \$ 13,065           | \$ 8,143         | \$ 50,609          | 143,283    | \$0.3532             |
| SLF 12      | \$ -        | \$ 3,550            | \$ 2,213         | \$ 5,763           | 37,765     | \$0.1526             |
| RMU-1       | \$ -        | \$ -                | \$ 260,629       | \$ 260,629         | 14,666,777 | \$0.0178             |
| Site Waters | \$ -        | \$ 13,588           | \$ 31,587        | \$ 45,175          | 1,445,496  | \$0.0313             |
| Groundwater | \$ -        | \$ 57,975           | \$ 36,135        | \$ 94,111          | 616,760    | \$0.1526             |
| OTHER       | \$ -        | \$ 76,557           | \$ 47,717        | \$ 124,274         | 814,435    | \$0.1526             |
| Total       | \$ 232,268  | \$ 183,307          | \$ 398,000       | \$ 813,574         | 17,951,751 | \$0.0453             |

**POST CLOSURE LEACHATE GENERATION RATE  
ESTIMATES**

LEACHATE GENERATION RATES  
MODIFIED LINEAR REGRESSION OF SLF 1-6

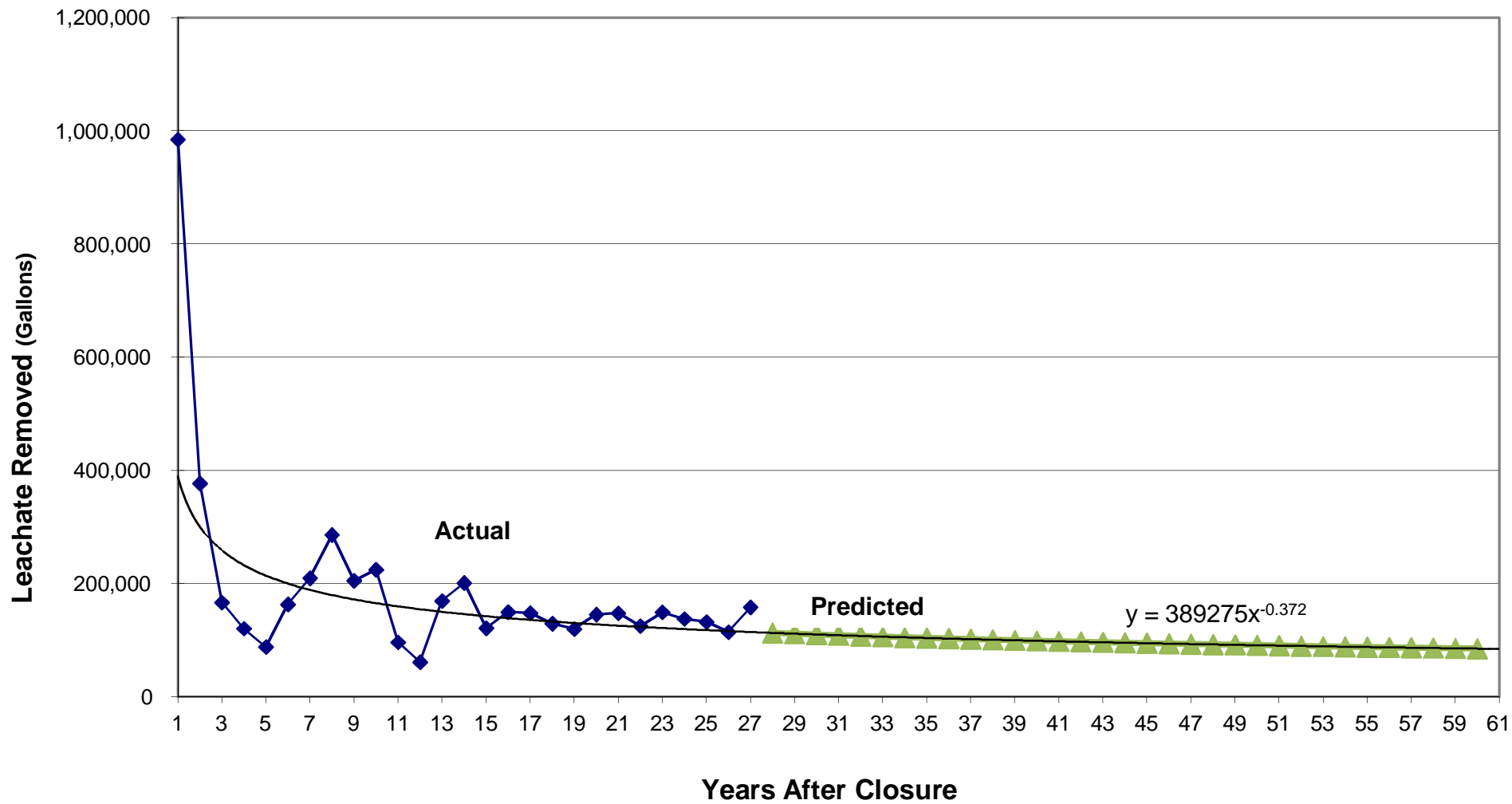
Correlation of Yearly Flows VS. Time (Gal/Yr)

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 1                      | 1985 | 984,600                      |                                 |
| 2                      | 1986 | 376,724                      |                                 |
| 3                      | 1987 | 166,413                      |                                 |
| 4                      | 1988 | 120,377                      |                                 |
| 5                      | 1989 | 87,839                       |                                 |
| 6                      | 1990 | 163,109                      |                                 |
| 7                      | 1991 | 209,380                      |                                 |
| 8                      | 1992 | 285,905                      |                                 |
| 9                      | 1993 | 205,017                      |                                 |
| 10                     | 1994 | 224,322                      |                                 |
| 11                     | 1995 | 96,113                       |                                 |
| 12                     | 1996 | 60,998                       |                                 |
| 13                     | 1997 | 169,171                      |                                 |
| 14                     | 1998 | 201,010                      |                                 |
| 15                     | 1999 | 121,108                      |                                 |
| 16                     | 2000 | 149,532                      |                                 |
| 17                     | 2001 | 147,799                      |                                 |
| 18                     | 2002 | 128,995                      |                                 |
| 19                     | 2003 | 119,500                      |                                 |
| 20                     | 2004 | 145,171                      |                                 |
| 21                     | 2005 | 147,496                      |                                 |
| 22                     | 2006 | 124,872                      |                                 |
| 23                     | 2007 | 149,140                      |                                 |
| 24                     | 2008 | 137,476                      |                                 |
| 25                     | 2009 | 132,155                      |                                 |
| 26                     | 2010 | 114,110                      |                                 |
| 27                     | 2011 | 158,011                      |                                 |
| 28                     | 2012 |                              | 112,697                         |
| 29                     | 2013 |                              | 111,236                         |
| 30                     | 2014 |                              | 109,842                         |
| 31                     | 2015 |                              | 108,510                         |
| 32                     | 2016 |                              | 107,236                         |
| 33                     | 2017 |                              | 106,015                         |
| 34                     | 2018 |                              | 104,845                         |
| 35                     | 2019 |                              | 103,720                         |
| 36                     | 2020 |                              | 102,639                         |
| 37                     | 2021 |                              | 101,598                         |
| 38                     | 2022 |                              | 100,595                         |
| 39                     | 2023 |                              | 99,628                          |
| 40                     | 2024 |                              | 98,694                          |
| 41                     | 2025 |                              | 97,791                          |
| 42                     | 2026 |                              | 96,919                          |
| 43                     | 2027 |                              | 96,074                          |
| 44                     | 2028 |                              | 95,256                          |
| 45                     | 2029 |                              | 94,463                          |
| 46                     | 2030 |                              | 93,694                          |
| 47                     | 2031 |                              | 92,947                          |
| 48                     | 2032 |                              | 92,222                          |
| 49                     | 2033 |                              | 91,517                          |
| 50                     | 2034 |                              | 90,832                          |
| 51                     | 2035 |                              | 90,166                          |
| 52                     | 2036 |                              | 89,517                          |
| 53                     | 2037 |                              | 88,884                          |
| 54                     | 2038 |                              | 88,269                          |
| 55                     | 2039 |                              | 87,668                          |
| 56                     | 2040 |                              | 87,082                          |
| 57                     | 2041 |                              | 86,511                          |
| 58                     | 2042 |                              | 85,953                          |
| 59                     | 2043 |                              | 85,408                          |
| 60                     | 2044 |                              | 84,876                          |
| 61                     | 2045 |                              | 84,356                          |

138,178   Average of previous 5-years  
111,258   Predicted average of years 28 through 30  
94,984   Predicted average of years 31 through 60

Notes:  
Golder calculated the predicted leachate removed using a power trendline based on actual data from previous years.

## SLF 1-6 Leachate Comparison



# LEACHATE GENERATION RATES

## MODIFIED LINEAR REGRESSION OF SLF 7

Correlation of Yearly Flows VS. Time (Gal/Yr)

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 1                      | 1985 | 533,700                      |                                 |
| 2                      | 1986 | 254,603                      |                                 |
| 3                      | 1987 | 76,870                       |                                 |
| 4                      | 1988 | 25,587                       |                                 |
| 5                      | 1989 | 36,480                       |                                 |
| 6                      | 1990 | 32,588                       |                                 |
| 7                      | 1991 | 37,770                       |                                 |
| 8                      | 1992 | 42,317                       |                                 |
| 9                      | 1993 | 35,407                       |                                 |
| 10                     | 1994 | 33,039                       |                                 |
| 11                     | 1995 | 37,352                       |                                 |
| 12                     | 1996 | 47,543                       |                                 |
| 13                     | 1997 | 57,610                       |                                 |
| 14                     | 1998 | 47,891                       |                                 |
| 15                     | 1999 | 44,672                       |                                 |
| 16                     | 2000 | 31,491                       |                                 |
| 17                     | 2001 | 30,773                       |                                 |
| 18                     | 2002 | 37,864                       |                                 |
| 19                     | 2003 | 29,061                       |                                 |
| 20                     | 2004 | 36,777                       |                                 |
| 21                     | 2005 | 56,037                       |                                 |
| 22                     | 2006 | 35,733                       |                                 |
| 23                     | 2007 | 25,324                       |                                 |
| 24                     | 2008 | 33,134                       |                                 |
| 25                     | 2009 | 69,850                       |                                 |
| 26                     | 2010 | 51,800                       |                                 |
| 27                     | 2011 | 74,050                       |                                 |
| 28                     | 2012 |                              | 30,319                          |
| 29                     | 2013 |                              | 29,808                          |
| 30                     | 2014 |                              | 29,323                          |
| 31                     | 2015 |                              | 28,861                          |
| 32                     | 2016 |                              | 28,421                          |
| 33                     | 2017 |                              | 28,001                          |
| 34                     | 2018 |                              | 27,599                          |
| 35                     | 2019 |                              | 27,215                          |
| 36                     | 2020 |                              | 26,846                          |
| 37                     | 2021 |                              | 26,493                          |
| 38                     | 2022 |                              | 26,153                          |
| 39                     | 2023 |                              | 25,826                          |
| 40                     | 2024 |                              | 25,512                          |
| 41                     | 2025 |                              | 25,209                          |
| 42                     | 2026 |                              | 24,916                          |
| 43                     | 2027 |                              | 24,634                          |
| 44                     | 2028 |                              | 24,361                          |
| 45                     | 2029 |                              | 24,098                          |
| 46                     | 2030 |                              | 23,843                          |
| 47                     | 2031 |                              | 23,596                          |
| 48                     | 2032 |                              | 23,357                          |
| 49                     | 2033 |                              | 23,125                          |
| 50                     | 2034 |                              | 22,900                          |
| 51                     | 2035 |                              | 22,681                          |
| 52                     | 2036 |                              | 22,469                          |

50,832 Average of previous 5-years  
 29,817 Predicted average of years 28 through 30  
 24,297 Predicted average of years 31 through 60

**LEACHATE GENERATION RATES**  
**MODIFIED LINEAR REGRESSION OF SLF 7**  
Correlation of Yearly Flows VS. Time (Gal/Yr)

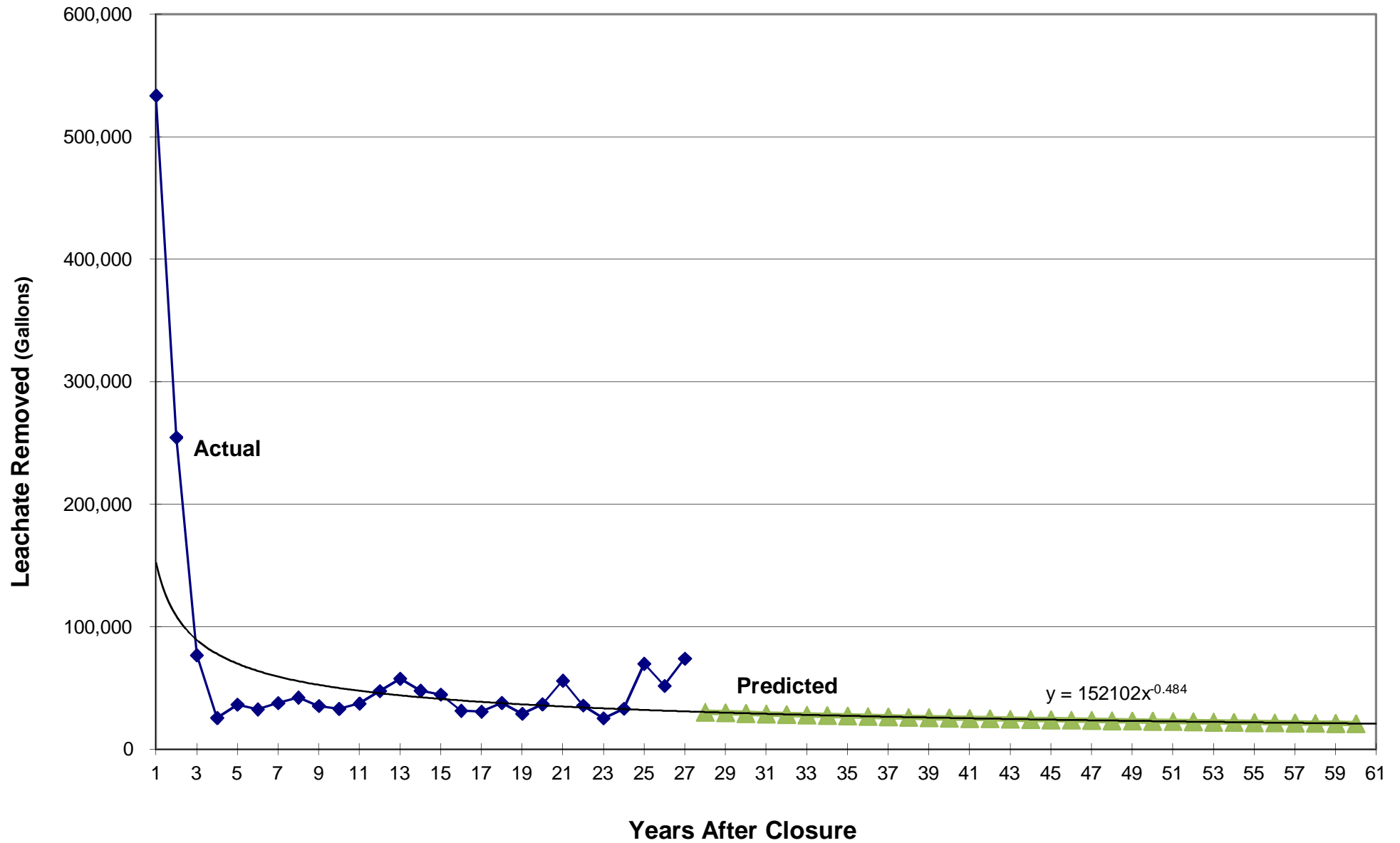
| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 53                     | 2037 |                              | 22,263                          |
| 54                     | 2038 |                              | 22,063                          |
| 55                     | 2039 |                              | 21,868                          |
| 56                     | 2040 |                              | 21,678                          |
| 57                     | 2041 |                              | 21,493                          |
| 58                     | 2042 |                              | 21,313                          |
| 59                     | 2043 |                              | 21,137                          |
| 60                     | 2044 |                              | 20,966                          |
| 61                     | 2045 |                              | 20,799                          |

Notes:

Golder calculated the predicted leachate removed using a power trendline based on actual data from previous years.

Prior to August 2008, both SLF 7 and SLF 11 leachates were collected in tank T-108, and it was assumed that the total leachate volume in this tank was comprised of 15% SLF 7 and 85% SLF 11, based upon historical information. Since August 2008, SLF 7 and SLF 11 leachate have been collected and measured separately in tanks T-107 and T-108, respectively.

# SLF 7 Leachate Comparison



# LEACHATE GENERATION RATES

## MODIFIED LINEAR REGRESSION OF SLF 10

Correlation of Yearly Flows VS. Time (Gal/Yr)

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 1                      | 1987 | 133,922                      |                                 |
| 2                      | 1988 | 38,562                       |                                 |
| 3                      | 1989 | 50,951                       |                                 |
| 4                      | 1990 | 69,142                       |                                 |
| 5                      | 1991 | 56,254                       |                                 |
| 6                      | 1992 | 54,185                       |                                 |
| 7                      | 1993 | 36,156                       |                                 |
| 8                      | 1994 | 40,954                       |                                 |
| 9                      | 1995 | 28,508                       |                                 |
| 10                     | 1996 | 40,881                       |                                 |
| 11                     | 1997 | 35,356                       |                                 |
| 12                     | 1998 | 44,324                       |                                 |
| 13                     | 1999 | 32,525                       |                                 |
| 14                     | 2000 | 40,717                       |                                 |
| 15                     | 2001 | 41,516                       |                                 |
| 16                     | 2002 | 45,940                       |                                 |
| 17                     | 2003 | 36,090                       |                                 |
| 18                     | 2004 | 71,937                       |                                 |
| 19                     | 2005 | 64,899                       |                                 |
| 20                     | 2006 | 60,493                       |                                 |
| 21                     | 2007 | 58,348                       |                                 |
| 22                     | 2008 | 54,879                       |                                 |
| 23                     | 2009 | 48,204                       |                                 |
| 24                     | 2010 | 61,325                       |                                 |
| 25                     | 2011 | 76,115                       |                                 |
| 26                     | 2012 |                              | 46,127                          |
| 27                     | 2013 |                              | 45,985                          |
| 28                     | 2014 |                              | 45,848                          |
| 29                     | 2015 |                              | 45,716                          |
| 30                     | 2016 |                              | 45,589                          |
| 31                     | 2017 |                              | 45,467                          |
| 32                     | 2018 |                              | 45,349                          |
| 33                     | 2019 |                              | 45,234                          |
| 34                     | 2020 |                              | 45,124                          |
| 35                     | 2021 |                              | 45,017                          |
| 36                     | 2022 |                              | 44,913                          |
| 37                     | 2023 |                              | 44,812                          |
| 38                     | 2024 |                              | 44,714                          |
| 39                     | 2025 |                              | 44,619                          |
| 40                     | 2026 |                              | 44,526                          |
| 41                     | 2027 |                              | 44,436                          |
| 42                     | 2028 |                              | 44,349                          |
| 43                     | 2029 |                              | 44,263                          |
| 44                     | 2030 |                              | 44,180                          |
| 45                     | 2031 |                              | 44,098                          |
| 46                     | 2032 |                              | 44,019                          |
| 47                     | 2033 |                              | 43,941                          |
| 48                     | 2034 |                              | 43,866                          |
| 49                     | 2035 |                              | 43,791                          |
| 50                     | 2036 |                              | 43,719                          |
| 51                     | 2037 |                              | 43,648                          |
| 52                     | 2038 |                              | 43,579                          |
| 53                     | 2039 |                              | 43,511                          |
| 54                     | 2040 |                              | 43,444                          |

59,774 Average of previous 5-years  
45,853 Predicted average of years 26 through 30  
44,132 Predicted average of years 31 through 60



# LEACHATE GENERATION RATES

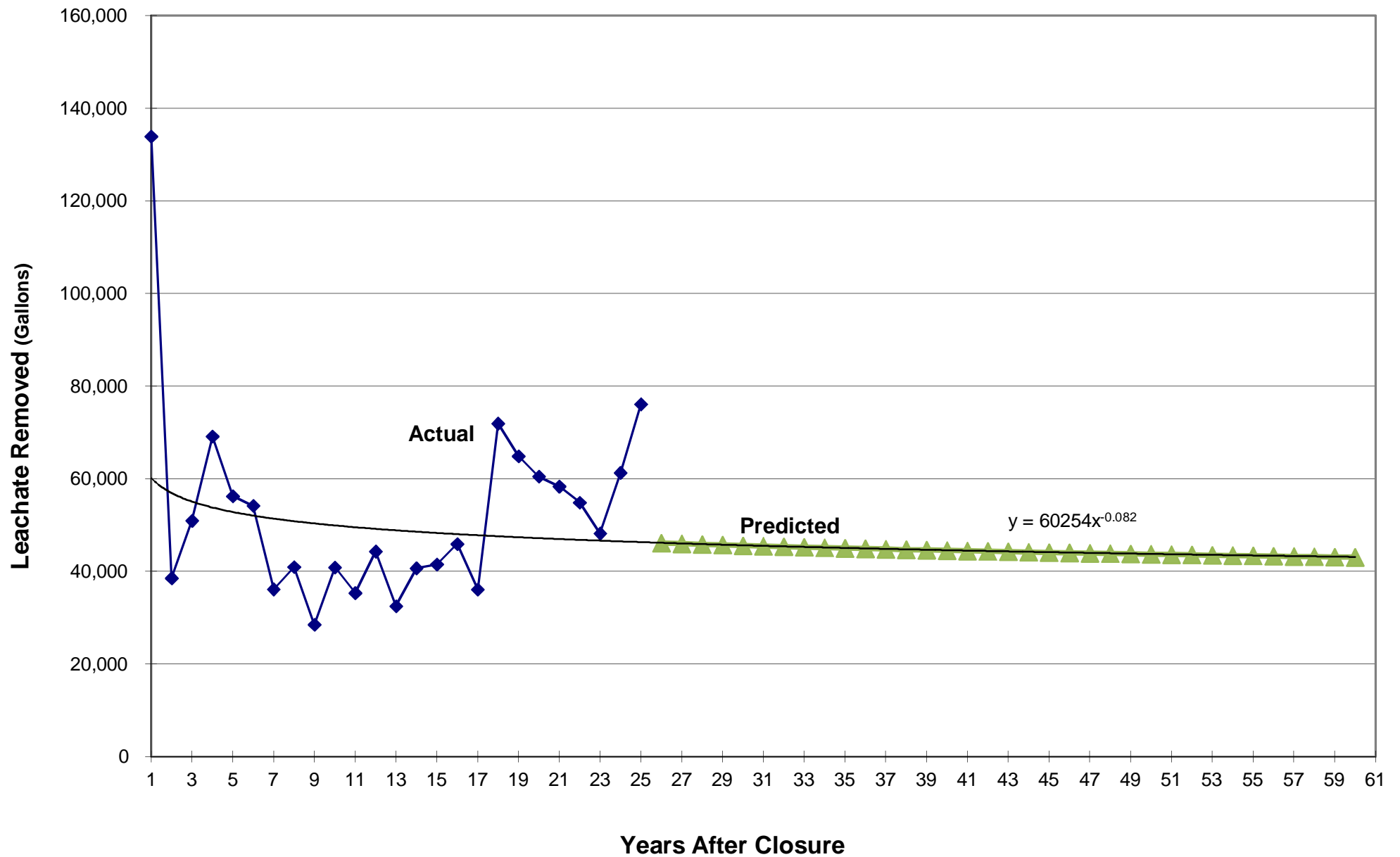
## MODIFIED LINEAR REGRESSION OF SLF 10

Correlation of Yearly Flows VS. Time (Gal/Yr)

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 55                     | 2041 |                              | 43,379                          |
| 56                     | 2042 |                              | 43,315                          |
| 57                     | 2043 |                              | 43,252                          |
| 58                     | 2044 |                              | 43,190                          |
| 59                     | 2045 |                              | 43,130                          |
| 60                     | 2046 |                              | 43,070                          |

Notes:  
Golder calculated the predicted leachate removed using a power trendline based on actual data from previous years.

# SLF 10 Leachate Comparison



**LEACHATE GENERATION RATES**  
**MODIFIED LINEAR REGRESSION OF SLF 11**

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 1                      | 1992 | 686,761                      |                                 |
| 2                      | 1993 | 550,320                      |                                 |
| 3                      | 1994 | 572,622                      |                                 |
| 4                      | 1995 | 503,300                      |                                 |
| 5                      | 1996 | 377,071                      |                                 |
| 6                      | 1997 | 251,147                      |                                 |
| 7                      | 1998 | 229,441                      |                                 |
| 8                      | 1999 | 253,144                      |                                 |
| 9                      | 2000 | 178,441                      |                                 |
| 10                     | 2001 | 174,368                      |                                 |
| 11                     | 2002 | 214,570                      |                                 |
| 12                     | 2003 | 164,681                      |                                 |
| 13                     | 2004 | 208,406                      |                                 |
| 14                     | 2005 | 317,546                      |                                 |
| 15                     | 2006 | 202,487                      |                                 |
| 16                     | 2007 | 143,502                      |                                 |
| 17                     | 2008 | 150,829                      |                                 |
| 18                     | 2009 | 137,678                      |                                 |
| 19                     | 2010 | 143,283                      |                                 |
| 20                     | 2011 | 163,002                      |                                 |
| 21                     | 2012 |                              | 144,071                         |
| 22                     | 2013 |                              | 140,275                         |
| 23                     | 2014 |                              | 136,741                         |
| 24                     | 2015 |                              | 133,441                         |
| 25                     | 2016 |                              | 130,350                         |
| 26                     | 2017 |                              | 127,449                         |
| 27                     | 2018 |                              | 124,717                         |
| 28                     | 2019 |                              | 122,141                         |
| 29                     | 2020 |                              | 119,705                         |
| 30                     | 2021 |                              | 117,398                         |
| 31                     | 2022 |                              | 115,209                         |
| 32                     | 2023 |                              | 113,129                         |
| 33                     | 2024 |                              | 111,148                         |
| 34                     | 2025 |                              | 109,260                         |
| 35                     | 2026 |                              | 107,457                         |
| 36                     | 2027 |                              | 105,733                         |
| 37                     | 2028 |                              | 104,083                         |
| 38                     | 2029 |                              | 102,502                         |
| 39                     | 2030 |                              | 100,985                         |
| 40                     | 2031 |                              | 99,528                          |
| 41                     | 2032 |                              | 98,128                          |
| 42                     | 2033 |                              | 96,780                          |
| 43                     | 2034 |                              | 95,481                          |
| 44                     | 2035 |                              | 94,230                          |
| 45                     | 2036 |                              | 93,022                          |
| 46                     | 2037 |                              | 91,856                          |
| 47                     | 2038 |                              | 90,729                          |
| 48                     | 2039 |                              | 89,639                          |
| 49                     | 2040 |                              | 88,584                          |
| 50                     | 2041 |                              | 87,563                          |
| 51                     | 2042 |                              | 86,573                          |
| 52                     | 2043 |                              | 85,614                          |
| 53                     | 2044 |                              | 84,683                          |
| 54                     | 2045 |                              | 83,779                          |
| 55                     | 2046 |                              | 82,901                          |
| 56                     | 2047 |                              | 82,048                          |

147,659 Average of previous 5-years  
129,629 Predicted average of years 21 through 30  
94,026 Predicted average of years 31 through 60

LEACHATE GENERATION RATES  
MODIFIED LINEAR REGRESSION OF SLF 11

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 57                     | 2048 |                              | 81,219                          |
| 58                     | 2049 |                              | 80,412                          |
| 59                     | 2050 |                              | 79,627                          |
| 60                     | 2051 |                              | 78,863                          |

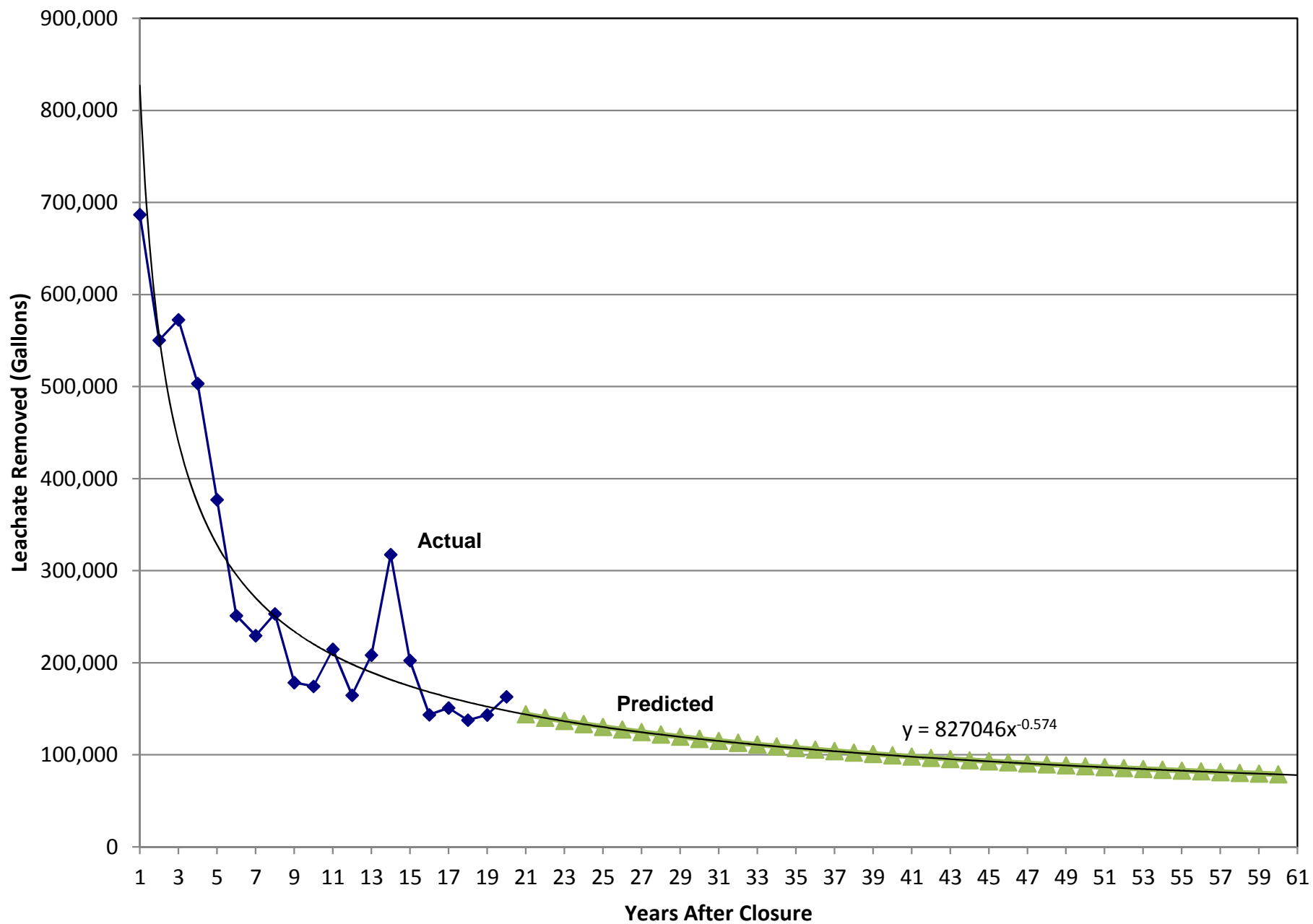
Notes:

Golder calculated the predicted leachate removed using a power trendline based on actual data from previous years.

Prior to August 2008, both SLF 7 and SLF 11 leachates were collected in tank T-108, and it was assumed that the total leachate volume in this tank was comprised of 15% SLF 7 and 85% SLF 11, based upon historical information. Since August 2008, SLF 7 and SLF 11 leachate have been collected and measured separately in tanks T-107 and T-108, respectively.

The reported 2005 volume is likely due to the lowering of the leachate compliance level for SLF 11 from one foot over the top of operations layer to one foot over the top of the primary liner.

# SLF 11 Leachate Comparison



# LEACHATE GENERATION RATES MODIFIED LINEAR REGRESSION OF SLF 12

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 1                      | 1996 | 578,847                      |                                 |
| 2                      | 1997 | 363,240                      |                                 |
| 3                      | 1998 | 194,073                      |                                 |
| 4                      | 1999 | 114,015                      |                                 |
| 5                      | 2000 | 142,807                      |                                 |
| 6                      | 2001 | 77,273                       |                                 |
| 7                      | 2002 | 61,321                       |                                 |
| 8                      | 2003 | 67,446                       |                                 |
| 9                      | 2004 | 66,410                       |                                 |
| 10                     | 2005 | 86,658                       |                                 |
| 11                     | 2006 | 69,430                       |                                 |
| 12                     | 2007 | 62,631                       |                                 |
| 13                     | 2008 | 43,816                       |                                 |
| 14                     | 2009 | 45,318                       |                                 |
| 15                     | 2010 | 37,765                       |                                 |
| 16                     | 2011 | 46,868                       |                                 |
| 17                     | 2012 |                              | 37,826                          |
| 18                     | 2013 |                              | 35,833                          |
| 19                     | 2014 |                              | 34,045                          |
| 20                     | 2015 |                              | 32,430                          |
| 21                     | 2016 |                              | 30,966                          |
| 22                     | 2017 |                              | 29,632                          |
| 23                     | 2018 |                              | 28,410                          |
| 24                     | 2019 |                              | 27,288                          |
| 25                     | 2020 |                              | 26,253                          |
| 26                     | 2021 |                              | 25,296                          |
| 27                     | 2022 |                              | 24,408                          |
| 28                     | 2023 |                              | 23,581                          |
| 29                     | 2024 |                              | 22,811                          |
| 30                     | 2025 |                              | 22,090                          |
| 31                     | 2026 |                              | 21,415                          |
| 32                     | 2027 |                              | 20,780                          |
| 33                     | 2028 |                              | 20,183                          |
| 34                     | 2029 |                              | 19,621                          |
| 35                     | 2030 |                              | 19,090                          |
| 36                     | 2031 |                              | 18,587                          |
| 37                     | 2032 |                              | 18,111                          |
| 38                     | 2033 |                              | 17,659                          |
| 39                     | 2034 |                              | 17,230                          |
| 40                     | 2035 |                              | 16,822                          |
| 41                     | 2036 |                              | 16,433                          |
| 42                     | 2037 |                              | 16,062                          |
| 43                     | 2038 |                              | 15,708                          |
| 44                     | 2039 |                              | 15,370                          |
| 45                     | 2040 |                              | 15,047                          |
| 46                     | 2041 |                              | 14,737                          |
| 47                     | 2042 |                              | 14,440                          |
| 48                     | 2043 |                              | 14,154                          |
| 49                     | 2044 |                              | 13,881                          |
| 50                     | 2045 |                              | 13,618                          |
| 51                     | 2046 |                              | 13,365                          |
| 52                     | 2047 |                              | 13,121                          |
| 53                     | 2048 |                              | 12,887                          |
| 54                     | 2049 |                              | 12,661                          |
| 55                     | 2050 |                              | 12,442                          |

47,280 Average of previous 5-years

28,634 Predicted average of years 17 through 30

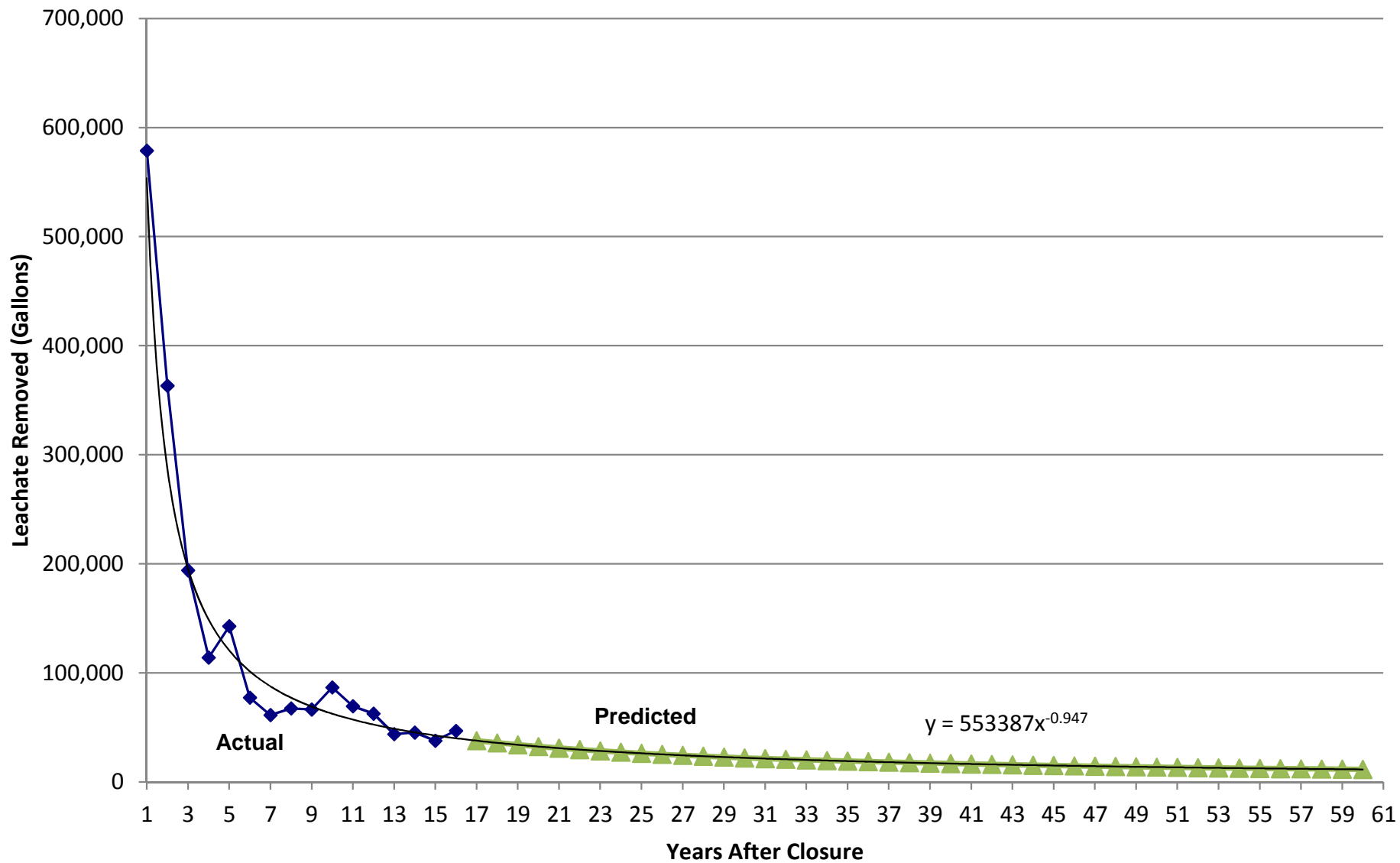
15,421 Predicted average of years 31 through 60

LEACHATE GENERATION RATES  
MODIFIED LINEAR REGRESSION OF SLF 12

| Years<br>After Closure | Year | Leachate Removed<br>(Actual) | Leachate Removed<br>(Predicted) |
|------------------------|------|------------------------------|---------------------------------|
| 56                     | 2051 |                              | 12,232                          |
| 57                     | 2052 |                              | 12,029                          |
| 58                     | 2053 |                              | 11,832                          |
| 59                     | 2054 |                              | 11,642                          |
| 60                     | 2055 |                              | 11,458                          |

Note:  
Golder calculated the predicted leachate removed using a power trendline based on actual data from previous years.

## SLF 12 Leachate Comparison





**LEACHATE GENERATION RATES**  
**MODIFIED LINEAR REGRESSION OF RMU-1**

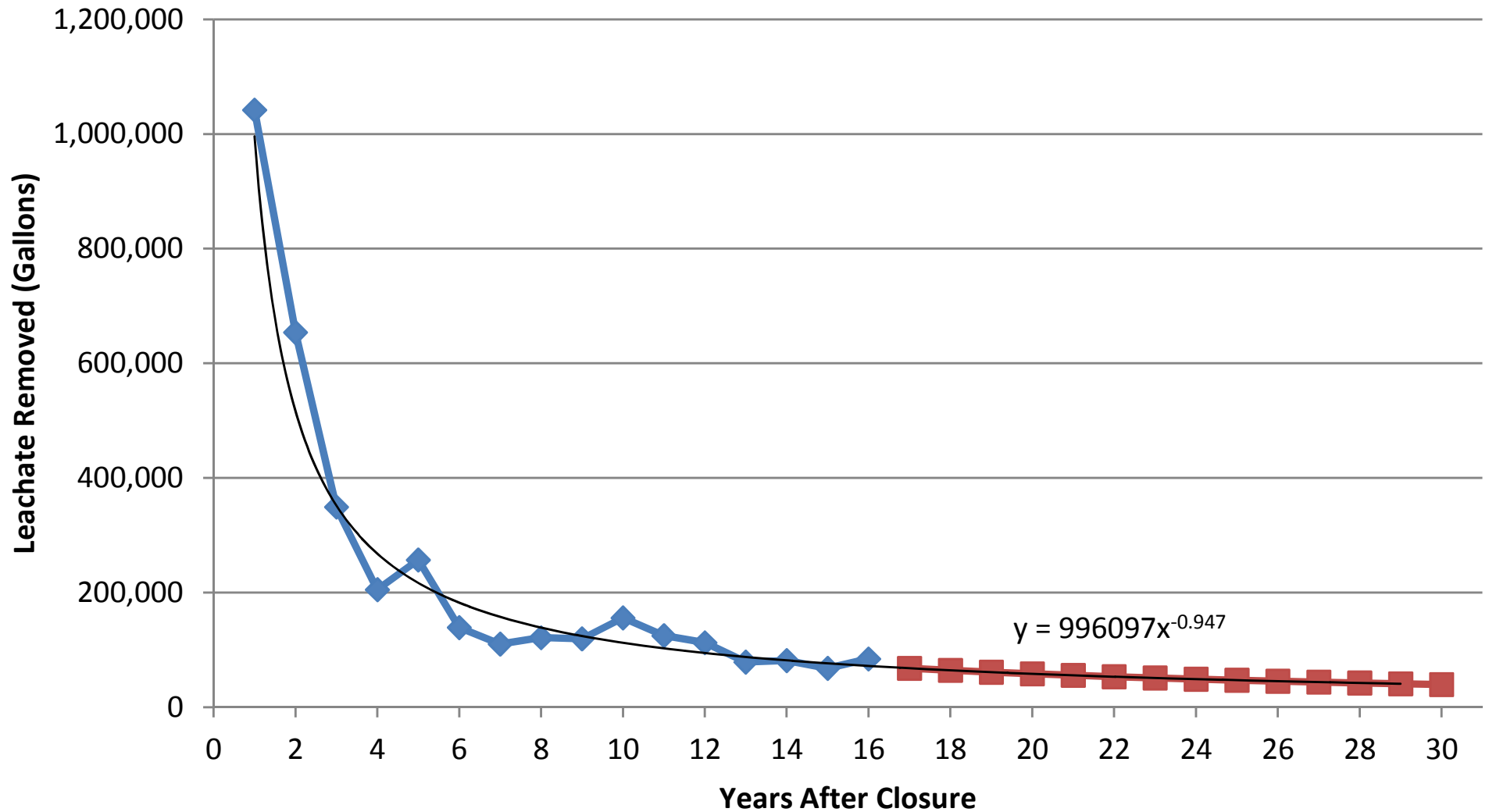
| Years<br>After Closure | Year | Leachate<br>Removed<br>(Actual) | Leachate Removed<br>(Predicted) | SLF-12 leachate<br>removed per acre    |
|------------------------|------|---------------------------------|---------------------------------|--|
| 1                      | 2015 | n/a                             | 1,041,925                       | 26311.2                                |
| 2                      | 2016 | n/a                             | 653,832                         | 16510.9                                |
| 3                      | 2017 | n/a                             | 349,331                         | 8821.5                                 |
| 4                      | 2018 | n/a                             | 205,227                         | 5182.5                                 |
| 5                      | 2019 | n/a                             | 257,053                         | 6491.2                                 |
| 6                      | 2020 | n/a                             | 139,091                         | 3512.4                                 |
| 7                      | 2021 | n/a                             | 110,378                         | 2787.3                                 |
| 8                      | 2022 | n/a                             | 121,403                         | 3065.7                                 |
| 9                      | 2023 | n/a                             | 119,538                         | 3018.6                                 |
| 10                     | 2024 | n/a                             | 155,984                         | 3939.0                                 |
| 11                     | 2025 | n/a                             | 124,974                         | 3155.9                                 |
| 12                     | 2026 | n/a                             | 112,736                         | 2846.9                                 |
| 13                     | 2027 | n/a                             | 78,869                          | 1991.6                                 |
| 14                     | 2028 | n/a                             | 81,572                          | 2059.9                                 |
| 15                     | 2029 | n/a                             | 67,977                          | 1716.6                                 |
| 16                     | 2030 | n/a                             | 84,362                          | 2130.4                                 |
| 17                     | 2031 | n/a                             | 68,087                          | 147527.2 Average of years 0 through 30 |
| 18                     | 2032 | n/a                             | 64,500                          |  |
| 19                     | 2033 | n/a                             | 61,280                          |  |
| 20                     | 2034 | n/a                             | 58,375                          |  |
| 21                     | 2035 | n/a                             | 55,739                          |  |
| 22                     | 2036 | n/a                             | 53,337                          |  |
| 23                     | 2037 | n/a                             | 51,138                          |  |
| 24                     | 2038 | n/a                             | 49,118                          |  |
| 25                     | 2039 | n/a                             | 47,256                          |  |
| 26                     | 2040 | n/a                             | 45,533                          |  |
| 27                     | 2041 | n/a                             | 43,934                          |  |
| 28                     | 2042 | n/a                             | 42,447                          |  |
| 29                     | 2043 | n/a                             | 41,059                          |  |
| 30                     | 2044 | n/a                             | 39,762                          |  |
| 31                     | 2045 | n/a                             | 38,546                          |  |
| 32                     | 2046 | n/a                             | 37,405                          |  |
| 33                     | 2047 | n/a                             | 36,330                          |  |
| 34                     | 2048 | n/a                             | 35,318                          |  |
| 35                     | 2049 | n/a                             | 34,361                          |  |
| 36                     | 2050 | n/a                             | 33,457                          |  |
| 37                     | 2051 | n/a                             | 32,600                          |  |
| 38                     | 2052 | n/a                             | 31,787                          |  |
| 39                     | 2053 | n/a                             | 31,014                          |  |
| 40                     | 2054 | n/a                             | 30,280                          |  |
| 41                     | 2055 | n/a                             | 29,580                          |  |
| 42                     | 2056 | n/a                             | 28,912                          |  |
| 43                     | 2057 | n/a                             | 28,275                          |  |
| 44                     | 2058 | n/a                             | 27,666                          |  |
| 45                     | 2059 | n/a                             | 27,084                          |  |
| 46                     | 2060 | n/a                             | 26,526                          |  |
| 47                     | 2061 | n/a                             | 25,991                          |  |
| 48                     | 2062 | n/a                             | 25,478                          |  |
| 49                     | 2063 | n/a                             | 24,985                          |  |
| 50                     | 2064 | n/a                             | 24,512                          |  |
| 51                     | 2065 | n/a                             | 24,057                          |  |
| 52                     | 2066 | n/a                             | 23,618                          |  |
| 53                     | 2067 | n/a                             | 23,196                          |  |

**LEACHATE GENERATION RATES  
MODIFIED LINEAR REGRESSION OF RMU-1**

| Years<br>After Closure | Year | Leachate<br>Removed<br>(Actual) | Leachate Removed<br>(Predicted) | SLF-12 leachate<br>removed per acre |
|------------------------|------|---------------------------------|---------------------------------|-------------------------------------|
| 54                     | 2068 | n/a                             | 22,789                          |                                     |
| 55                     | 2069 | n/a                             | 22,396                          |                                     |
| 56                     | 2070 | n/a                             | 22,017                          |                                     |
| 57                     | 2071 | n/a                             | 21,652                          |                                     |
| 58                     | 2072 | n/a                             | 21,298                          |                                     |
| 59                     | 2073 | n/a                             | 20,956                          |                                     |
| 60                     | 2074 | n/a                             | 20,625                          |                                     |

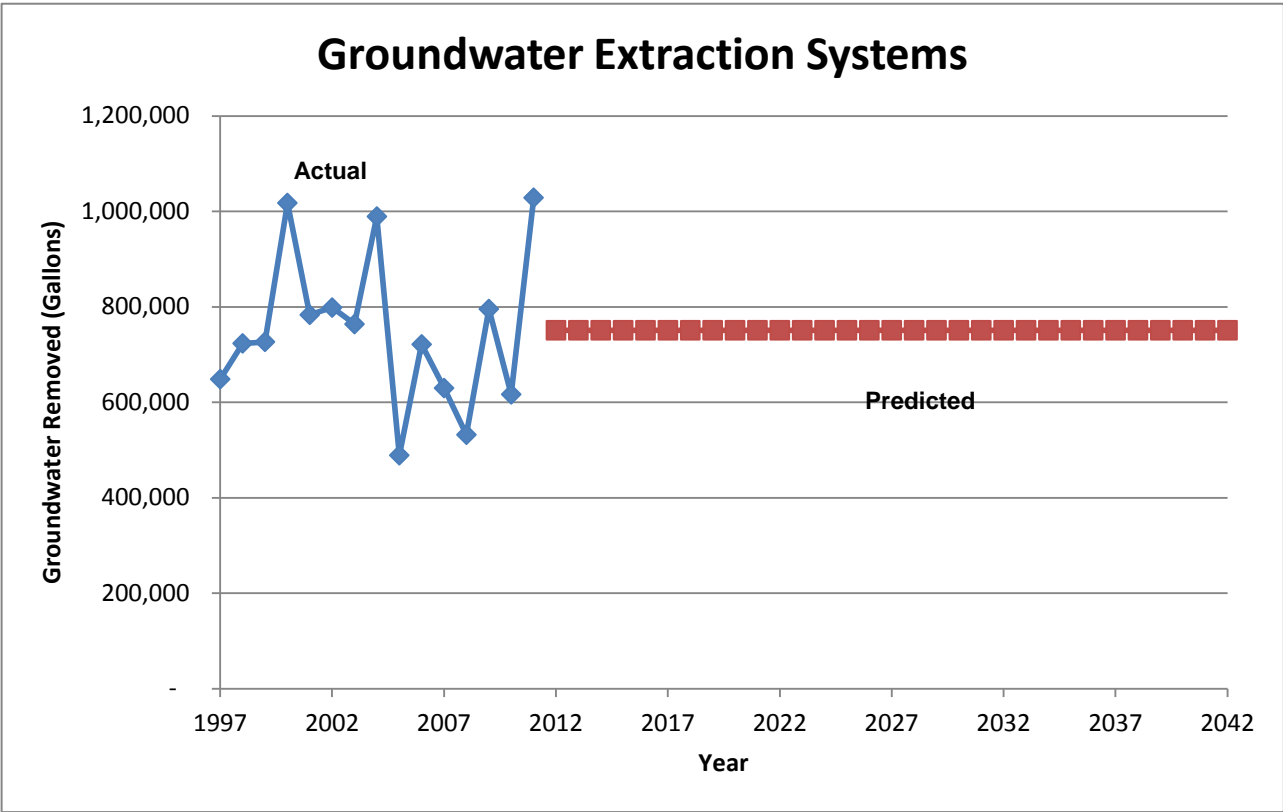
Note:  
Model based on the per acre generation rate of SLF-12 for each year since closure. The generation rate per acre for SLF-12 was applied to RMU-1 since both landfills are of similar construction. For years after the 16 years since closure of SLF-12, Golder calculated the predicted leachate removed using a power trendline based on actual data from years 0-16.

# RMU-1 Leachate Comparison



**GROUNDWATER GENERATION RATES**  
**CORRECTIVE ACTION GROUNDWATER EXTRACTION**

| Year    | Groundwater Removed |
|---------|---------------------|
| 1997    | 648,587             |
| 1998    | 723,512             |
| 1999    | 726,726             |
| 2000    | 1,017,667           |
| 2001    | 783,387             |
| 2002    | 798,540             |
| 2003    | 763,900             |
| 2004    | 989,309             |
| 2005    | 489,129             |
| 2006    | 721,440             |
| 2007    | 629,893             |
| 2008    | 532,148             |
| 2009    | 795,555             |
| 2010    | 616,760             |
| 2011    | 1,028,720           |
| Average | 751,018             |



## SITE WATERS GENERATION RATES HISTORICAL RATES

| Year | Site Water Treated<br>(Actual) |
|------|--------------------------------|
| 1996 | 578,847                        |
| 1997 | 363,240                        |
| 1998 | 194,073                        |
| 1999 | 114,015                        |
| 2000 | 142,807                        |
| 2001 | 1,009,787                      |
| 2002 | 1,048,265                      |
| 2003 | 940,415                        |
| 2004 | 1,398,225                      |
| 2005 | 1,135,950                      |
| 2006 | 1,110,722                      |
| 2007 | 1,499,845                      |
| 2008 | 1,432,420                      |
| 2009 | 1,270,595                      |
| 2010 | 1,445,496                      |
| 2011 | 1,393,391                      |

1,408,349 Average of previous 5-years

