

**NEW BOSTON LANDFILL  
BOWIE COUNTY, TEXAS  
TCEQ PERMIT APPLICATION NO. MSW 576C**

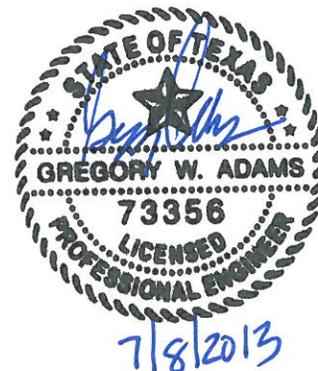
**PERMIT AMENDMENT APPLICATION**

**PART III – FACILITY INVESTIGATION AND DESIGN  
ATTACHMENT J  
COST ESTIMATES FOR CLOSURE AND POSTCLOSURE CARE**

Prepared for

**Waste Management of Texas, Inc.**

July 2013



Prepared by

**BIGGS & MATHEWS ENVIRONMENTAL**

1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
FIRM REGISTRATION No. F-256

TEXAS BOARD OF PROFESSIONAL GEOSCIENTISTS  
FIRM REGISTRATION No. 50222

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### APPENDIX J1

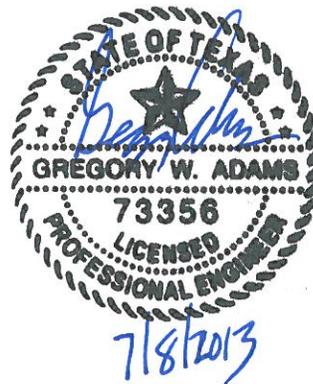
Closure Cost Estimate Calculations

### APPENDIX J2

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### APPENDIX J3

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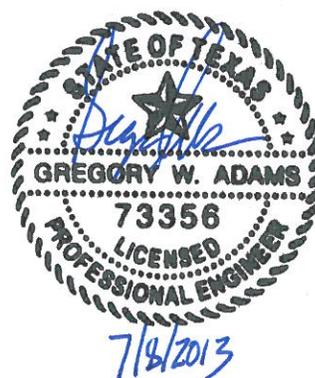
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### TABLES

- J-1 Closure Cost Estimate
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# 1 INTRODUCTION

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*30 TAC §330.63(j)*

This cost estimate for closure and postclosure care provides the information required by 30 TAC §330.63(j) and §330.501 - 330.507.

## 2 CLOSURE COST ESTIMATE

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30 TAC §330.503

This cost estimate shows the cost of hiring a third party to close the largest waste fill area that could potentially be open in the year to follow and those areas that have not received final cover in accordance with the final closure plan at any time during the active life of the site when the extent and manner of site operations would make closure the most expensive. Final cover has been installed over 18.1 acres of the West Disposal Area and details of the cover are documented in the Final Cover Evaluation Reports. Approval dates are shown on Drawing J.1. The largest area ever requiring final cover will include the remaining 35.8 acres in the West Disposal Area and the initial 9.6-acre cell in the North Disposal Area. The combined 45.4 acres requiring final closure are illustrated on Drawing J.1. The closure cost estimate includes the cost for evaluation, design, construction, contract administration, bonds, and legal fees.

Closure activities are outlined in Attachment H – Closure Plan. This cost estimate, in current dollars, generally follows the outline presented in the TCEQ “Cost Estimate Handbook for Closure and Postclosure Care,” Version 1. A summary of the estimated closure costs is presented on Table J-1. Calculations and supporting data for the closure cost estimate are included in Appendix J1. The cost will be adjusted annually as indicated in Section 4.

### **3 POSTCLOSURE CARE COST ESTIMATE**

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*30 TAC §330.507*

The postclosure care period is 30 years for a Type I municipal solid waste facility. During this period, maintenance is required to assure the integrity and effectiveness of the final cover system and monitoring systems, erosion protection, and the stormwater drainage appurtenances. The estimated postclosure care cost is presented on Table J-2.

The postclosure care cost estimates are based on Attachment I – Postclosure Plan and provide a cost for the routine operation, maintenance and monitoring of the final cover system, gas monitoring system, groundwater monitoring system, and stormwater drainage appurtenances. This estimate for routine maintenance and monitoring predicts the cumulative cost throughout the 30-year postclosure care period. Calculations and supporting data for the postclosure care cost estimate are included in Appendix J2. The costs will be adjusted annually as indicated in Section 4.

## 4 COST ESTIMATE ADJUSTMENTS

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30 TAC §330.503 and §330.507

During the active life of the unit, Waste Management of Texas, Inc. (WMTX) will annually adjust the cost estimates for inflation within 60 days prior to the anniversary date of the establishment of the financial instrument(s). The adjustment may be made by recalculating the maximum costs of closure in current dollars, or by using an inflation factor derived from the most recent *Implicit Price Deflator for Gross National Product* published by the United States Department of Commerce in its Survey of Current Business. The inflation factor is the result of dividing the latest published annual deflator by the deflator for the previous year. The first adjustment is made by multiplying the closure and postclosure care cost estimate by the inflation factor. The result is the adjusted closure and postclosure care cost estimate. Subsequent adjustments are made by multiplying the latest adjusted closure and postclosure care estimate by the latest inflation factor.

An increase in the closure or postclosure care cost estimate and the amount of financial assurance will be made if changes to the final closure or postclosure care plan or the landfill conditions increase the maximum cost. A request for an increase in the cost estimate and financial assurance will be submitted as a permit modification. The closure and postclosure care cost will be evaluated annually, to determine if an increase in the closure or postclosure care cost is required as a result of continued landfill development.

A reduction in the closure or postclosure care cost estimate and the amount of financial assurance may be requested if the cost estimate exceeds the maximum costs of closure at any time during the remaining life of the unit or postclosure care remaining over the postclosure care period. WMTX will submit written notice to the executive director of the detailed justification for the reduction of the cost estimates and the amount of financial assurance. A request for reduction in the cost estimate and financial assurance will be submitted as a permit modification.

## 5 FINANCIAL ASSURANCE

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*§§330.503 and 330.507*

Financial assurance for closure and postclosure care for the facility will be established in accordance with 30 TAC Chapter 37, Subchapter R as related to Financial Assurance for Municipal Solid Waste Facilities. The evidence of financial assurance for the facility is provided in Appendix J3.

## TABLES

**Table J-1  
Closure Cost Estimate**

<b>No.</b>	<b>ITEM</b>	<b>COST</b>
<b>1.0</b>	<b>Engineering Costs</b>	
1.1	Topographic Survey	\$ 10,620.80
1.2	Boundary Survey	\$ 6,638.00
1.3	Site Evaluation	\$ 9,957.00
1.4	Development of Plans	\$ 45,400.00
1.5	Administration	\$ 11,000.00
1.6	Inspection and Testing	\$ 272,400.00
1.7	Groundwater Consultant	-
1.8	Permit Compliance Package	\$ 15,000.00
	<b>Engineering Total</b>	<b>\$ 371,015.80</b>
<b>2.0</b>	<b>Construction Costs</b>	
2.1	Final Cover System	
2.1.1	Infiltration Layer	\$ 374,550.00
2.1.2	Flexible Membrane Cover	\$ 1,044,200.00
2.1.3	Drainage Layer	\$ 794,500.00
2.1.4	Erosion Layer	\$ 499,400.00
2.2	LFG Control System	\$ 240,000.00
2.3	Vegetation	\$ 113,500.00
2.4	Site Grading and Drainage	\$ 236,080.00
2.5	Site Fencing and Security	\$ -
2.6	Leachate Collection System	\$ -
2.7	Monitor Wells	\$ -
2.8	Gas Probes	\$ -
2.9	Storage and Transfer Units	\$ 15,000.00
	<b>Construction Total</b>	<b>\$ 3,317,230.00</b>
	<b>Engineering and Construction Total</b>	<b>\$ 3,688,245.80</b>
	<b>Contingency</b>	<b>\$ 368,824.58</b>
<b>3.0</b>	<b>Administrative Costs</b>	
3.1	Contract Performance Bond	\$ 73,764.92
3.2	TCEQ Contract Admin/Legal Fees	\$ 87,543.50
	<b>Total</b>	<b>\$ 4,218,378.80</b>

**\*This closure cost estimate was developed in 2013 dollars.**

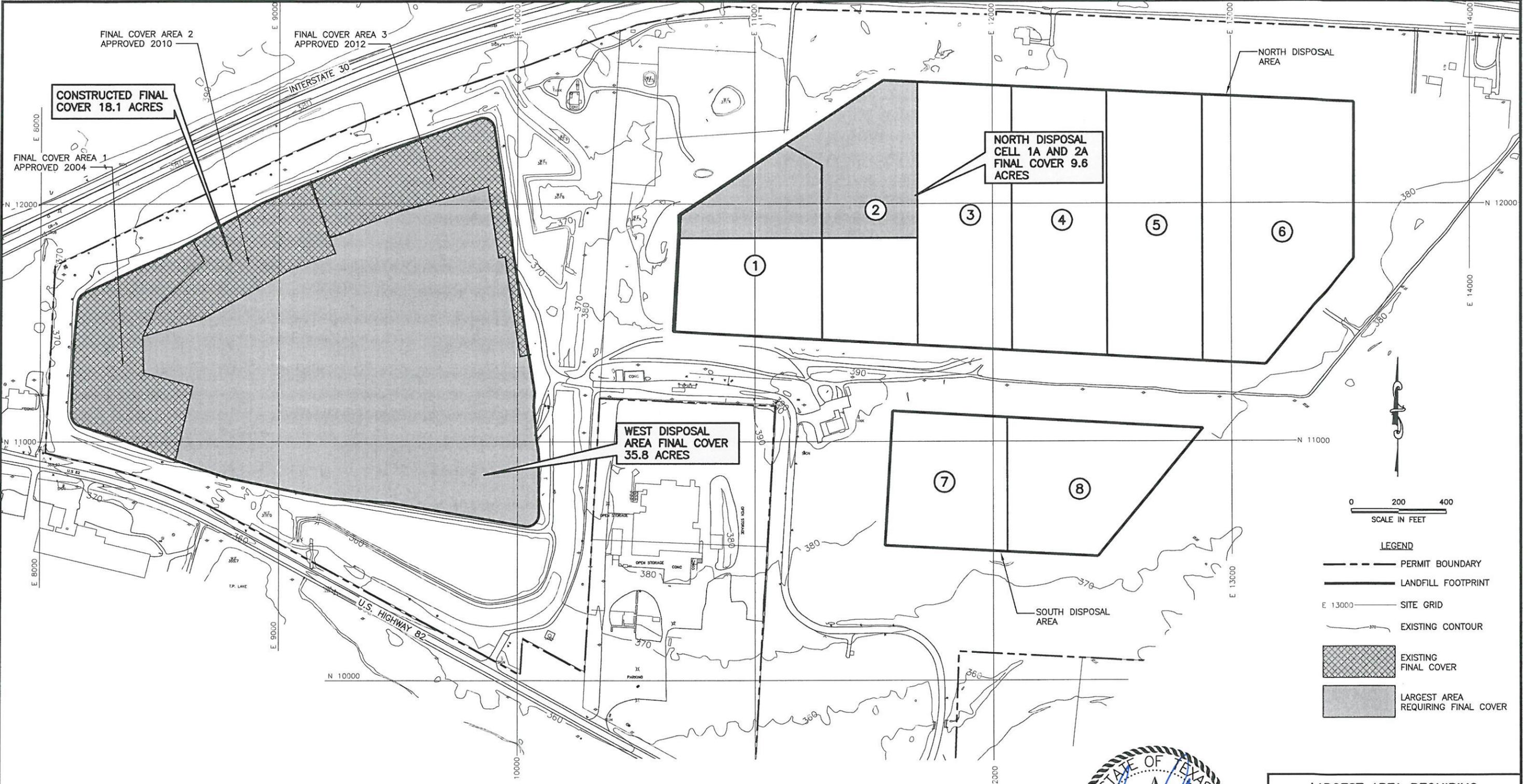
**Table J-2  
Postclosure Care Cost Estimate**

No.	ITEM	ANNUAL COST
1.0	Engineering Costs	\$ 67,892.00
2.0	Construction / Maintenance Costs	\$ 15,875.00
3.0	Leachate Disposal Costs	\$ 4,332.00
4.0	Landfill Gas Management Costs	\$ 15,875.00
	<b>Subtotal</b>	<b>\$ 103,974.00</b>
	10% Contingency	\$ 10,397.40
5.0	Administration	\$ 10,397.40
	<b>Annual Postclosure Costs</b>	<b>\$ 124,768.80</b>
	<b>Total Postclosure Costs</b>	<b>\$ 3,743,064.00</b>

\*This postclosure cost estimate was developed in 2013 dollars.

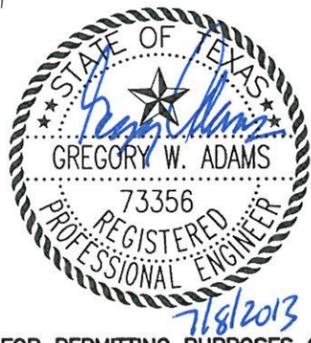
## DRAWINGS

J:\101\05\112\Att J\J.1-LARFC.dwg Layout: J.1 User: mweich



- NOTES:
- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY FLOWN MARCH 5, 2012.
  - PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.

LARGEST AREA REQUIRING FINAL COVER	
WEST DISPOSAL AREA	35.8 ACRES
NORTH DISPOSAL AREA	9.6 ACRES
<b>TOTAL</b>	<b>45.4 ACRES</b>



ISSUED FOR PERMITTING PURPOSES ONLY

**LARGEST AREA REQUIRING FINAL COVER**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**NEW BOSTON LANDFILL**  
**PERMIT AMENDMENT APPLICATION**

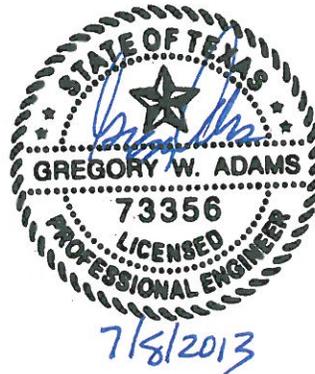


**BIGGS & MATHEWS**  
**ENVIRONMENTAL**  
**CONSULTING ENGINEERS**  
 MANSFIELD • WICHITA FALLS  
 817-563-1144

REVISIONS					TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DSN. GWA	DATE : 6/13	DRAWING <b>J.1</b>
DWN. MJW	SCALE : GRAPHIC	
CHK. GWA	DWG : J.1-LARFC.dwg	

**NEW BOSTON LANDFILL**  
**APPENDIX J1**  
**CLOSURE COST ESTIMATE CALCULATIONS**



Includes pages J1-1 through J1-5

## **CLOSURE COST ESTIMATE CALCULATIONS**

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30 TAC §330.503

The largest area ever requiring final cover is 45.4 acres. This area is illustrated on Drawing J.1. The total area of the landfill requiring final cover will depend upon the stage of development at the time of closure. The closure cost estimate is based on Attachment H – Closure Plan. The following sections describe the line items of the cost estimate calculations.

### **1.0 ENGINEERING COSTS**

The engineering costs include surveying and evaluation of the entire 331.9 acres having to be closed. However, the development of construction plans and construction quality assurance testing is limited to the area requiring final cover construction, as indicated by Drawing J.1.

#### **1.1 Topographic Survey**

A topographic survey will be required to determine the existing grades of the landfill. The topographic survey will be used to evaluate permit compliance and to design the grading, final cover system, and drainage system. The cost of the topographic survey is calculated on a lump sum basis.

#### **1.2 Boundary Survey**

A boundary survey is required for the filing of the affidavit of closure and deed record of any area of the site that has received waste. Other activities include publication of the public notice of closing activities. The cost of the boundary survey is calculated on a lump sum basis.

#### **1.3 Site Evaluation**

A site evaluation will be performed to identify waste disposal areas, analyze drainage and erosion protection, and to determine other site operational features that are not in compliance with the permit. The site evaluation also includes analysis of groundwater samples, gas probes, and review of site operating record. The cost of the site evaluation is based on the entire permit boundary.

#### **1.4 Development of Plans**

The final closure plan will be revised to reflect the changes to the final grading and drainage plans, specifications for vegetation, and design of any other improvements to bring the site into compliance with the permit. Construction plans, specifications, and contract documents will be prepared in suitable detail to allow the project to be

competitively bid. The cost of development of plans is based on the largest area requiring closure.

### **1.5 Administration**

The consultant will advertise the project, receive the bids, evaluate the bids, award the closure construction contract and administer the contract during construction. The cost of administration is calculated based on the lump sum basis.

### **1.6 Closure Inspection and Testing**

Closure inspection and testing includes observations by the professional of record during closure construction, thickness and permeability verifications, and preparation of a closure certification report. The cost of inspection and testing is based on the largest area requiring closure.

### **1.7 Groundwater Consultant**

The groundwater monitoring well system has been developed in Attachment F – Groundwater Sampling and Analysis Plan. It is not anticipated that revisions will be necessary. The cost of a groundwater consultant is not required.

### **1.8 Permits**

The consultant will prepare plans, specifications, and other documents necessary for compliance with applicable federal and state laws and requirements for the proper closure of the site (i.e., Stormwater Pollution Prevention Plan). The cost of permits is calculated based on the lump sum basis.

## **2.0 CONSTRUCTION COSTS**

Construction costs include construction and final closure costs for 45.4 acres as shown on Drawing J.1.

### **2.1 Final Cover System**

The forced final closure scenario assumes that the largest area requiring final cover will include the remainder of the West Disposal Area and the initial sector in the North Disposal Area. Both areas will require the installation of the composite final cover system. The closure plan provides for two optional composite final cover systems. This cost estimate assumes that the more expensive Sideslope Option A will be installed. Option A consist of an 18-inch thick infiltration layer, a double sided geocomposite drainage layer on the sideslopes and an 24-inch thick erosion layer.

#### **2.1.1 Infiltration Layer**

An 18-inch-thick infiltration layer, consisting of a clay material with a maximum permeability of  $1 \times 10^{-5}$  cm/sec, will be constructed over the intermediate cover. The

quantity of material required for the infiltration layer is based on the largest area requiring closure.

#### 2.1.2 Flexible Membrane Cover

A 40-mil LLDPE flexible membrane cover will be installed above the infiltration layer. The quantity of material required for the flexible membrane cover is based on the largest area requiring closure.

#### 2.1.3 Drainage Layer

A double-sided geocomposite drainage layer will be installed as the drainage layer on sideslopes. Although not required on the topslopes, it is included for conservatism. The quantity of material required for the geocomposite is based on the largest area requiring closure.

#### 2.1.4 Erosion Layer

A 24-inch-thick erosion layer, with the top 6 inches capable of sustaining plant growth, will be placed over the geocomposite. The quantity of material required for the erosion layer is based on the largest area requiring closure.

### 2.2 Landfill Gas Control System

An active LFG control system and LFG flare system has been constructed and is in operation in the West Disposal Area. An active LFG control system will be required in the North Disposal Area.

### 2.3 Vegetation

Vegetative erosion protection will be established over the surface of the completed cover and general fill. The costs are based on seeding with native grasses and the application of appropriate fertilizer. The quantity for vegetation requirements is based on the largest area requiring closure.

### 2.4 Site Grading and Drainage

Site grading and drainage includes the final grading at the site, drainage improvements on the landfill cap, and sedimentation controls. The quantity of site grading will depend on the largest area requiring closure.

### 2.5 Site Fencing and Security

Site fencing and security for the entire landfill exists at the permit boundary. No expenses will be incurred for this item.

## **2.6 Leachate Collection System Completion**

At the time of closure, the LCS will have been installed in existing cells. No expenses will be incurred for this item.

## **2.7 Groundwater Monitoring Well Installation**

Groundwater monitoring wells will have been installed during site development. No additional groundwater monitoring wells will be required to be installed.

## **2.8 Landfill Gas Probe Installation**

Landfill gas monitoring probes will have been installed during site development. No additional landfill gas monitoring probes will be required to be installed.

## **2.9 Storage and Transfer Units**

Storage and transfer units include the large item storage area, reusable materials staging area, citizen's convenience area, truck wheel wash, and the leachate storage tank. All waste materials that are processed or stored will be disposed at the active working face prior to closure. The citizen's drop-off area containers will be cleaned. The leachate storage tank will remain on site to collect generated leachate during postclosure conditions.

## **3.0 ADMINISTRATIVE COSTS**

### **3.1 Contract Performance Bond**

The cost of a performance bond is based on 2 percent of the total cost of engineering and construction.

### **3.2 TCEQ Administration of Contracts and Legal Fees**

An amount based on 1 percent of the total cost of engineering and construction has been included to account for TCEQ administration of contracts and legal fees.

## New Boston Landfill CLOSURE COST ESTIMATE

**Required:** Estimate the cost to hire a third party to conduct final closure activities.

- References:**
1. Texas Natural Resources Conservation Commission, *Cost Estimate Handbook for Closure and Postclosure Care*, Version 1, August 1993.
  2. *2012 RS Means Heavy Construction Cost Data*, 26th Annual Edition.
  3. Construction costs from recent similar construction projects and cost estimates from heavy construction contractors.

**Solution:**

Final closure will require construction of final cover over	45.4 total acres
Final closure will require administrative closure of	331.9 acres
Final closure will require the installation of	0 monitor wells
Final closure will require the installation of	0 gas probes
Final closure will require the installation of	9.6 acres of LFG Control System

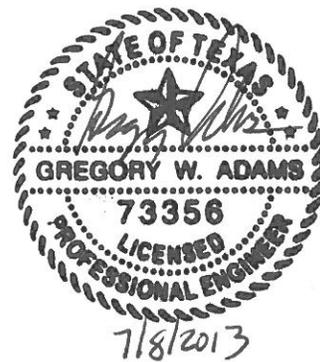
No.	ITEM	QTY	UNIT	UNIT COST	TOTAL COST
<b>1.0</b>	<b>Engineering Costs</b>				
1.1	Topographic Survey	331.9	ac	\$ 32.00	\$ 10,620.80
1.2	Boundary Survey	331.9	ac	\$ 20.00	\$ 6,638.00
1.3	Site Evaluation	331.9	ac	\$ 30.00	\$ 9,957.00
1.4	Development of Plans	45.4	ac	\$ 1,000.00	\$ 45,400.00
1.5	Administration	1	LS	\$ 11,000.00	\$ 11,000.00
1.6	Inspection and Testing	45.4	ac	\$ 6,000.00	\$ 272,400.00
1.7	Groundwater Consultant	0	LS	-	-
1.8	Permit Compliance Package	1	LS	\$ 15,000.00	\$ 15,000.00
	Engineering Total				\$ 371,015.80
<b>2.0</b>	<b>Construction Costs</b>				
2.1	Final Cover System				
2.1.1	Infiltration Layer	45.4	ac	\$ 8,250.00	\$ 374,550.00
2.1.2	Flexible Membrane Cover	45.4	ac	\$ 23,000.00	\$ 1,044,200.00
2.1.3	Drainage Layer	45.4	ac	\$ 17,500.00	\$ 794,500.00
2.1.4	Erosion Layer	45.4	ac	\$ 11,000.00	\$ 499,400.00
2.2	LFG Control System	9.6	ac	\$ 25,000.00	\$ 240,000.00
2.3	Vegetation	45.4	ac	\$ 2,500.00	\$ 113,500.00
2.4	Site Grading and Drainage	45.4	ac	\$ 5,200.00	\$ 236,080.00
2.5	Site Fencing and Security	0	ac	-	-
2.6	Leachate Collection System	0	lf	-	-
2.7	Monitor Wells	0	ea	\$ 5,000.00	-
2.8	Gas Probes	0	ea	\$ 4,000.00	-
2.9	Storage and Transfer Units	1	LS	\$ 15,000.00	\$ 15,000.00
	Construction Total				\$ 3,317,230.00
	Engineering and Construction Total				\$ 3,688,245.80
	Contingency	10	%		\$ 368,824.58
<b>3.0</b>	<b>Administrative Costs</b>				
3.1	Contract Performance Bond	2.0	%		\$ 73,764.92
3.2	TCEQ Contract Admin/Legal Fees	1.0	%		\$ 87,543.50
<b>Total</b>					<b>\$ 4,218,378.80</b>

\*This closure cost estimate was developed in 2013 dollars.

**NEW BOSTON LANDFILL**

**APPENDIX J2**

**POSTCLOSURE CARE COST ESTIMATE CALCULATIONS**



Includes pages J2-1 through J2-3

# **POSTCLOSURE CARE COST ESTIMATE CALCULATIONS**

*30 TAC §330.63(j) and §330.507*

The postclosure care period is 30 years for a Type I municipal solid waste facility. Postclosure cost estimates were developed for the combined areas with final cover in place and largest area requiring closure of 63.8 acres as depicted on Drawing J.1. The postclosure care cost estimate is based on Attachment I – Postclosure Plan. The following sections describe the line items of the postclosure cost estimate calculations.

## **1.0 ENGINEERING COSTS**

### **1.1 Postclosure Plan**

The postclosure plan provides a schedule for routine maintenance of the final cover system, the LCS, and the gas and groundwater monitoring systems. The Postclosure Plan is presented in Attachment I.

### **1.2 Site Inspections**

Annual site inspections will be performed. Site inspections will identify areas experiencing settlement or subsidence, erosion or other drainage related problems, and will note the condition of the LCS, gas control, gas monitoring system, and groundwater monitoring system.

### **1.3 Correctional Plans and Specifications**

Correctional plans and specifications include the costs for a consultant to prepare construction plans and specifications to correct problems identified during the site inspections. This cost is dependent upon the quality of care taken during the closure of the site and ongoing maintenance during previous postclosure care years. The cost may be significantly higher during earlier postclosure care years and be reduced to zero cost during the end of the postclosure care period.

### **1.4 Site Monitoring**

Semiannual groundwater sampling and analysis will be performed for the groundwater monitoring wells. Quarterly gas monitoring will also be performed for the landfill gas monitoring probes and on-site buildings.

## **2.0 CONSTRUCTION/MAINTENANCE COSTS**

Postclosure construction/maintenance will be required to correct problems identified during the site inspections and as specified by the correctional plans and specifications. These costs will also include ongoing site maintenance, cover and drainage maintenance, and annual seeding and mowing costs. Included in this item is the

plugging of the groundwater monitoring wells and gas monitoring probes at the end of the postclosure care period. Also included in this cost is the cleaning and removal of the leachate storage tanks at the end of the postclosure care period.

### **3.0 LEACHATE DISPOSAL**

During the postclosure care period, the volume of leachate being generated should decrease substantially due to the completion of the final cover system. From Attachment D6, Appendix D6-B, an average leachate generation rate of 2,274 gallons per acre per year was used over the postclosure care period to determine the volume of leachate generated during the period. Multiplying the average leachate generation rate by 63.5 acres yields about 144,400 gallons per year with a disposal rate of \$0.03 per gallon for disposal costs through an existing connection to a sanitary sewer system and POTW. An existing storage tank will provide temporary leachate storage in the event that the direct connection is not functional.

### **4.0 LANDFILL GAS MANAGEMENT SYSTEM**

The installed active LFG control system will require routine O&M. The annual O&M cost for the active system is assumed to be \$250.00 per acre. This cost includes correcting problems identified during site inspections, ongoing maintenance of the active system, and repair of the system as necessary. This cost accounts for the installed active LFG control system over the combined 63.5 acres for the area with final cover in place and largest area requiring final cover.

### **5.0 ADMINISTRATION**

The cost for a third party to administer postclosure care activities is assumed at 10 percent of the annual postclosure costs.

## New Boston Landfill POSTCLOSURE COST ESTIMATE

**Required:** Estimate the cost to hire a third party to conduct postclosure care activities.

**References:** 1. Texas Natural Resources Conservation Commission, *Cost Estimate Handbook for Closure and Postclosure Care*, Version 1, August 1993.

**Solution:**

Postclosure care period =	30 years
Permit area =	331.9 acres
Waste footprint <sup>1</sup> =	63.5 acres
Number of monitor wells =	16 wells
Number of gas probes =	13 probes

No.	ITEM	ANNUAL QTY	UNIT	UNIT COST	TOTAL COST
<b>1.0</b>	<b>Engineering Costs</b>				
1.1	Postclosure Plan	NA	LS	\$ -	\$ -
1.2	Site Inspections	331.9	ac	\$ 55.00	\$ 18,254.50
1.3	Correctional Plan and Specifications	63.5	ac	\$ 125.00	\$ 7,937.50
1.4.1	Groundwater Monitoring	32	event	\$ 1,100.00	\$ 35,200.00
1.4.2	Landfill Gas Monitoring	52	event	\$ 125.00	\$ 6,500.00
<b>2.0</b>	<b>Construction / Maintenance Costs</b>	63.5	ac	\$ 250.00	\$ 15,875.00
<b>3.0</b>	<b>Leachate Disposal</b>	144,400	gal	\$ 0.03	\$ 4,332.00
<b>4.0</b>	<b>Landfill Gas Management</b>	63.5	ac	\$ 250.00	\$ 15,875.00
	Subtotal				\$ 103,974.00
	Contingency	10	%		\$ 10,397.40
<b>5.0</b>	<b>Administration</b>	10	%		\$ 10,397.40
	Annual Postclosure Cost				\$ 124,768.80
<b>Total Postclosure Cost</b>					<b>\$ 3,743,064.00</b>

\*This postclosure cost estimate was developed in 2013 dollars.

<sup>1</sup>The waste footprint includes the largest area requiring final cover (45.4 acres) and constructed final cover (18.1 acres).

**NEW BOSTON LANDFILL**

**APPENDIX J3**

**EVIDENCE OF FINANCIAL ASSURANCE**



**WASTE MANAGEMENT**

520 E Corporate Dr Suite 100  
Lewisville, TX 75057  
PO Box 276  
Lewisville, TX 75057  
(214) 626-8800  
(214) 626-8893 Fax

Mr. Zak Covar  
Executive Director  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Re: New Boston Landfill  
Bowie County, Texas  
Permit Amendment Application  
TCEQ Permit Amendment Application No. MSW 576C

Dear Mr. Covar:

This letter is to provide Evidence of Financial Responsibility pursuant to 30 TAC §330.503(b) and §330.507(b) of the Municipal Solid Waste Management Regulations with respect to the above-referenced project.

Waste Management of Texas, Inc. agrees to provide financial assurance for this permit in accordance with the financial assurance schedule developed in Part III, Attachment J - Cost Estimates for Closure and Postclosure Care, or other amount specified by the Texas Commission on Environmental Quality (TCEQ).

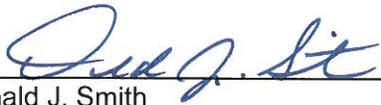
In accordance with §37.8031 the assurance will be provided by, but is not limited to, one or more of the following:

1. Trust Fund
2. Surety Bond Guaranteeing Payment or Performance
3. Letter of Credit
4. Insurance
5. Corporate Guarantee

After this permit amendment application is approved by TCEQ, Waste Management of Texas, Inc. will file the required financial assurance. A copy of the required documentation will be submitted to the executive director of the TCEQ within 60 days from issuance of this permit. The financial assurance will indicate the TCEQ as beneficiary and shall remain in full force and effect throughout the life of the permit.

ATTEST:

Waste Management of Texas, Inc.  
By: Waste Management, Inc.

  
\_\_\_\_\_  
Donald J. Smith  
Texoma Market Area President