

PART III, ATTACHMENT 8

POST CLOSURE PLAN

Temple Recycling & Disposal Facility

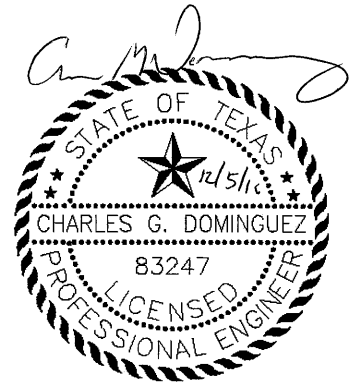
Temple, Bell County, Texas

TCEQ Permit MSW-692B

Owner/Site Operator/Permittee:



City of Temple
201 N. Main
Temple, Texas 76501



GOLDER ASSOCIATES INC.
Professional Engineering Firm
Registration Number F-2578

**INTENDED FOR PERMITTING
PURPOSES ONLY**

Operator:



Waste Management of Texas
9708 Giles Lane
Austin, Texas 78781

Submitted By:

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Appendix III-8A TCEQ Post Closure Care Form



GOLDER ASSOCIATES INC.
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INTENDED FOR PERMITTING

1.0 REQUIREMENTS

Post-closure care maintenance will begin at the Temple Recycling and Disposal Facility immediately upon the date of final closure, as approved by the executive director of the Texas Commission on Environmental Quality (TCEQ). This Post-Closure Plan incorporates plans for final cover system monitoring and maintenance, leachate management, gas management, and groundwater sampling and analysis for the long-term post-closure care of the facility.

These plans describe the monitoring and maintenance activities specific to each management area that will be performed throughout the post-closure period. Any modifications to this plan or other related plans will require prior approval by the executive director. Appendix III-8A, TCEQ Post Closure Care Form, provides guidance for the landfill facility or final facility post-closure care closure plans to meet the requirements in 30 Texas Administrative Code (TAC) Chapter 330, §330.63(i) and as set out under 30 TAC Chapter 330 Subchapter K for a municipal solid waste (MSW) Type I facility.

Following the date of written confirmation by the executive director that the landfill or portion of the landfill has been closed in accordance with the approved Closure Plan, the post-closure period will be 30 years, unless the period is decreased or increased by the administrative authority in accordance with 30 TAC §330.463(b)(2)(A) or (B). During this period, the closure cover will be maintained and monitoring activities will be performed to ensure that the closed facility will continue to retain its integrity and will not pose a threat to human health or the environment. Once approved by the executive director, this Post-Closure Plan will be kept in the operating record at the Temple Recycling and Disposal Facility.

The City of Temple will retain the right-of-entry to the site and shall maintain all rights-of-way throughout the post-closure period. The integrity and effectiveness of the final cover, vegetation, and drainage control systems will be maintained. During the post-closure maintenance period of the site, the City of Temple will conduct maintenance and/or remediation activities required to correct the effects of excessive settlement, subsidence, ponded water, erosion, and other events or failures detrimental to the integrity of the facility control systems and the final cover system.

The name, address, and telephone number of the office responsible for overseeing and conducting the post-closure care maintenance activities at the Temple Recycling and Disposal Facility is given below:

City of Temple
Department of Public Works
3210 East Avenue H, Building A
Temple, Texas 76501
(254) 298-5621

2.0 FINAL COVER SYSTEM MONITORING AND MAINTENANCE

During the post-closure monitoring and maintenance period of the site, the final cover will be inspected quarterly. Monitoring and maintenance activities will be performed to maintain the integrity and effectiveness of the final cover system. Items included in the quarterly assessment will include inspection of the final cover for vegetation, erosion, and functionality of the surface water drainage system. Erosion, cuts, and depressions in the final cover will be noted, as will damage and debris and sediment build-up in the drainage system. Maintenance will include performing final cover repairs to fill erosion cuts and low areas. Drainage systems will be regraded as necessary and cleared of debris and sediment, as needed, to facilitate continued performance. At a minimum, maintenance will be performed as needed prior to the next scheduled inspection.

3.0 GROUNDWATER MONITORING

Groundwater monitoring activities will continue throughout the post-closure care period in accordance with 30 TAC §330.463(b)(1)(C) and the site specific Groundwater Sampling and Analysis Plan (GWSAP). All groundwater monitoring wells that are part of the groundwater monitoring network will be monitored semi-annually and maintained in accordance with Part III, Attachment 5, Appendix III-5B, the GWSAP, unless otherwise approved by the executive director. Maintenance of the groundwater monitoring system will be performed as needed. The need for maintenance will be determined through well inspection during the semi-annual groundwater monitoring event, and will include inspection of items as discussed in the GWSAP. Maintenance will be performed as needed, based on the inspection results, prior to or during the next scheduled sampling event, depending on the extent of the repairs or maintenance required.

4.0 GAS MANAGEMENT

Landfill gas monitoring activities will continue throughout the post-closure care period, in accordance with the requirements of 30 TAC §330.463(b)(1)(D), as conducted during the active facility operations. All structures and permanent gas monitoring probes will be sampled quarterly in accordance with Part III, Attachment 6, the Landfill Gas Management Plan, unless otherwise approved by the executive director. Maintenance and operations of the landfill gas monitoring system will be performed as needed. Particular attention will be paid to ensure that monitoring equipment is calibrated according to the manufacturers' recommendations. The need for maintenance will be determined through inspection of the system during the quarterly sampling event. Maintenance will be performed as needed, based on the inspection results, prior to or during the next scheduled sampling event, depending on the extent of the repairs or maintenance required.

5.0 LEACHATE MANAGEMENT

Leachate collection and disposal activities will continue throughout the post-closure care period as conducted during the active facility operations, in accordance with the requirements of 30 TAC §330.331 and §330.333 and Part III, Attachment 3, the Waste Management Unit Design Report. Maintenance and operation of the leachate collection system will also be conducted in accordance with Part III, Attachment 3. The need for maintenance will be assessed during performance of routine monitoring. In accordance with 30 TAC §330.463(b)(1)(B), the City of Temple may stop managing leachate if the executive director approves a demonstration that leachate no longer poses a threat to human health and the environment.

6.0 POST-CLOSURE LAND USE

Currently, post-closure land use is anticipated to be open space, and will be in accordance with current 30 TAC §330, Subchapter T, related to Use of Land Over Closed Municipal Solid Waste Landfills.

7.0 COMPLETION OF POST-CLOSURE CARE

After the appropriate post-closure care period has expired, the City of Temple will submit to the executive director a documented certification signed by an independent registered professional engineer verifying that post-closure care maintenance is complete in accordance with the Post-Closure Plan. Along with the certification for the final unit, the City of Temple will also submit to the executive director a request for voluntary revocation of the facility permit. Once approved, the certification and all applicable documentation will be included in the site's operating record.

8.0 COST ESTIMATE FOR POST-CLOSURE CARE

A detailed estimate, in current dollars, of the cost of post-closure care maintenance and any corrective action as described in the Post-Closure Plan is included in Part III, Attachment 9, Appendix III-9C.