



**BRAZOS VALLEY DISPOSAL FACILITY
COLLEGE STATION, BRAZOS COUNTY, TEXAS**

PERMIT APPLICATION

PART III

**ATTACHMENT 8
POST-CLOSURE PLAN**

Prepared for:

**CCAA, LLC
P.O. Box 5449
Bryan, Texas 77805**

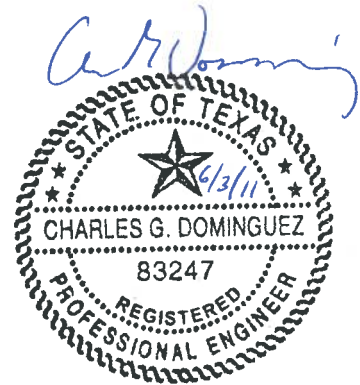
Prepared by:



TEXAS REGISTRATION NUMBER - F-2578

**500 Century Plaza Drive, Suite 190
Houston, Texas 77073
(281) 821-6868**

May 2011



**Golder Associates Inc.
F-2578**

**INTENDED FOR PERMITTING
PURPOSES ONLY**

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1.0 REQUIREMENTS

Post-closure care maintenance will begin at the Brazos Valley 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, gas sampling, 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 the executive director's prior approval.

The post-closure period will be five years following the date of written confirmation from the executive director that the landfill or unit of the landfill has been closed in accordance with the approved Closure Plan, unless the period is decreased or increased by the administrative authority in accordance with 30 TAC §330.463(a). 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 the executive director approves this Post-Closure Plan, it will be kept in the operating record at the Brazos Valley Disposal Facility.

CCAA, LLC (CCAA) and its successors 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, CCAA will correct, as needed, erosion of cover material, lack of vegetative growth, methane migration, and subsidence or ponding of water on the unit. If any of these problems occur after the end of the five-year post-closure care period or persist for longer than the first five years of post-closure care, CCAA will be responsible for their correction until the executive director determines that all problems have been adequately resolved.

If there is evidence of a release from a municipal solid waste unit, the executive director may require an investigation into the nature and extent of the release to assess necessary measures to correct an impact to groundwater.

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 in order 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. As necessary, drainage systems will be regraded and cleared of debris and sediment to facilitate continued performance. At a minimum, maintenance will be performed as needed prior to the next scheduled quarterly inspection.

3.0 GROUNDWATER MONITORING

Groundwater monitoring activities will continue throughout the post-closure care period in accordance with 30 TAC Chapter 330 Subchapter J 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 annually and maintained in accordance with Part III, Attachment 5, Appendix A, 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 inspection of the wells during the annual groundwater monitoring events 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 Chapter 330, Subchapter I, 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 ensuring that monitoring equipment is calibrated according to the manufacturers' recommendations. The need for maintenance will be determined through system inspection 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 required repairs or maintenance.

5.0 POST-CLOSURE LAND USE

Currently, post-closure land use is anticipated to be open space. Post-closure land use will be in accordance with this section and the current 30 TAC Chapter 330, Subchapter T (related to Use of Land over Closed Municipal Solid Waste Landfills).

6.0 COMPLETION OF POST-CLOSURE CARE

After the appropriate post-closure care period has expired, CCAA 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. CCAA will also submit to the executive director, along with the certification for the final unit, 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.

7.0 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.