

**FORT WORTH SOUTHEAST LANDFILL
TARRANT COUNTY, TEXAS
TCEQ PERMIT NO. MSW-218C**

MAJOR PERMIT AMENDMENT APPLICATION

**PART III – SITE DEVELOPMENT PLAN
APPENDIX IIIK
POSTCLOSURE CARE PLAN**

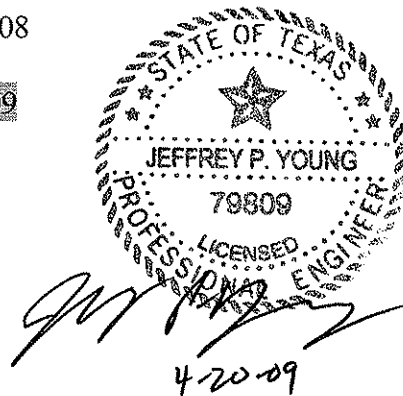
Prepared for

City of Fort Worth

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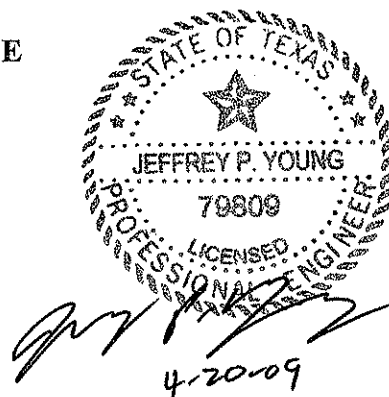
Prepared by

Weaver Boos Consultants, LLC–Southwest
6420 Southwest Blvd., Suite 206
Fort Worth, Texas 76109
817-735-9970

WBC Project No.0120-435-11-48-26

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2 POSTCLOSURE ACTIVITIES

2.1 Monitoring and Maintenance

In accordance with §330.463(b), postclosure care maintenance will commence immediately upon completion of final closure requirements set forth in the Final Closure Plan (Appendix IIIJ). There are no on-site permanent enclosed structures located within the limits of waste; therefore, the requirements in 30 TAC §330.957(m)(1)(D-F) do not apply. Postclosure care maintenance will continue for a period of 30 years unless the TCEQ approves a postclosure period of a different duration. Postclosure care maintenance will consist, at a minimum, of the following requirements carried out by the City of Fort Worth. The minimum frequencies for monitoring and maintenance activities will be consistent with Section 4.23 of Part IV – SOP, unless otherwise noted below.

- Retain the right of entry and maintain all rights-of-way to the closed landfill. Access controls will be inspected on a monthly basis.
- Conduct site inspections a minimum of semiannually after closure.
- Conduct maintenance and/or remediation activities, as needed, in order to maintain the integrity and effectiveness of the final cover, site vegetation, and drainage control systems. Vegetation shall be maintained on the final cover to provide a minimum of 90 percent coverage.
- Manage surface run-on and run-off, as needed, in order to minimize the erosion of the final cover system.
- The outlets of the final cover drainage pipes will be inspected. During wet weather conditions when flow is expected, the pipe outlets will be inspected to verify that flow is occurring. If there is no flow, the pipe will be checked for clogging and flushed or replaced as necessary. Inspections will occur semi-annually after closure.
- Correct the effects of settlement, subsidence, ponded water, erosion, or other events or failures, as needed, in-as-much as these situations are detrimental to the integrity of the closed landfill.
- Maintain and operate the leachate collection system in accordance with §330.331 and §330.333 and the EPA's Design Criteria (i.e., less than 1 foot of leachate over the liner, or approved equivalent design). During postclosure, leachate collection sump levels will be measured on a quarterly basis. System disruptions may occur from time to time; therefore, the head on the liner may exceed the regulatory performance standard of 12 inches above the liner system (as measured by verifying that the leachate level is less than 12 inches above the lip of each sump). Site personnel will list the date and length of time the 12-inch leachate level performance standard was exceeded as well as the cause of the exceedance in the Site Operating Record. If the leachate level performance standard is exceeded for a period greater than 72 hours, the TCEQ region office will be notified of the exceedance.

and informed of the plan to resolve the situation. The City of Fort Worth may submit a demonstration to the TCEQ that leachate will no longer pose a threat to human health and the environment. If the demonstration is approved by the TCEQ, the City of Fort Worth will be allowed to discontinue the maintenance and operation of the leachate collection system.

- Maintain the groundwater monitoring system in accordance with Subchapter J of 30 TAC and monitor groundwater in accordance with an approved Groundwater Sampling and Analysis Plan (refer to Appendix IIIH for the minimum monitoring frequency requirements). However, the City of Fort Worth reserves the may request TCEQ approval of (1) an alternative monitoring frequency, and (2) an alternative list of parameters to be monitored.
- Maintain and operate the perimeter landfill gas monitoring system in accordance with Subchapter I of 30 TAC. In accordance with §371(b)(2), the minimum monitoring frequency will be quarterly. However, the City of Fort Worth may request TCEQ approval of an alternate monitoring frequency.
- Maintain and operate the landfill gas collection and/or control system in accordance with applicable regulations.

2.2 Decreasing Postclosure Period

The length of the postclosure care maintenance period may be decreased by the TCEQ if the City of Fort Worth submits a documented certification signed by an independent licensed professional engineer. The certification will include all applicable documentation demonstrating that the reduced period is sufficient to protect human health and the environment. Applicable documentation may include data from monitoring of groundwater, surface water, leachate levels, and landfill gas. The certified documentation must be reviewed and approved by the TCEQ prior to decreasing the length of the postclosure care maintenance period.

2.3 Increasing Postclosure Period

The length of the postclosure care maintenance period may be increased by the TCEQ if it is determined that the increased duration is necessary to protect human health and the environment.

2.4 Completion of Postclosure Period

Upon completion of the postclosure care maintenance period, the City of Fort Worth will submit to the TCEQ documented certification, signed by an independent licensed professional engineer, verifying that postclosure care maintenance has been completed in accordance with the approved Postclosure Plan. The submittal will include all documentation necessary for certification of completion of postclosure care maintenance. The certification will be placed in the Site Operating Record upon approval. In addition, the City of Fort Worth will submit to the Executive Director a request for voluntary revocation of the facility permit. Approval of voluntary revocation will be placed in the Site Operating Record.

5 POSTCLOSURE COST ESTIMATE

A detailed written cost estimate, in current dollars, of the cost of hiring a third party to conduct postclosure care activities for the municipal solid waste unit, in accordance with the Postclosure Care Plan, is provided in Appendix IIIK – Cost Estimate for Closure and Postclosure Care. The estimated postclosure care cost is \$3,657,329 ~~\$3,774,682~~.