

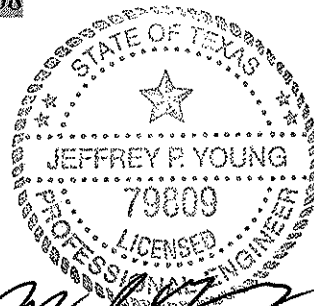
**FORT WORTH SOUTHEAST LANDFILL
TARRANT COUNTY, TEXAS
TCEQ PERMIT NO. MSW-218C**

MAJOR PERMIT AMENDMENT APPLICATION

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

Prepared for
City of Fort Worth
October 2007

Revised August 2008



Prepared by

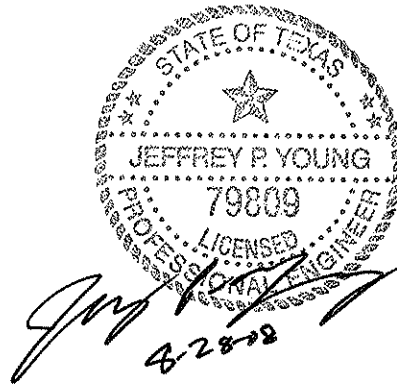
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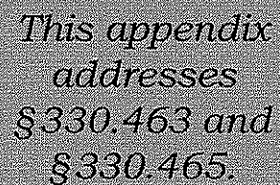
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1 INTRODUCTION

This Postclosure Care Plan has been prepared for the Fort Worth Southeast Landfill consistent with 30 Texas Administrative Code (TAC) Section 330 Subchapter K. The landfill completion plan for this site consists of final contours and drainage features as depicted on Drawing I/IIA.8 – Landfill Completion Plan.



*This appendix
addresses
§330.463 and
§330.465.*

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 ~~permit boundary~~ ~~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 ~~Fort Worth Southeast Landfill~~: ~~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 ~~85~~ ~~90~~ percent coverage.
- Manage surface run-on and run-off, ~~as needed~~, in order to minimize the erosion of the final cover system.
- 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). The City of Fort Worth reserves the right to ~~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 reserves the right to~~ ~~may~~ request TCEQ approval of (1) an alternative monitoring frequency, and (2) an alternative list of parameters to be monitored. ~~Such requests will be based on supporting data available at the time of the request.~~

- 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 reserves the right to ~~may~~ request TCEQ approval of an alternate monitoring frequency. ~~Such a request will be based on supporting data available at the time of the request.~~
- ~~If applicable, m~~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. ~~It is understood that the City of Fort Worth will receive appropriate notification of any such proposed changes prior to the TCEQ's final determination.~~

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.~~

3 PERSON RESPONSIBLE FOR CONDUCTING POSTCLOSURE ACTIVITIES

At the time of development of this document, the following person is responsible for the management of this landfill:

Brian K. Boerner, CHMM
Director, Environmental Management Department
City of Fort Worth
1000 Throckmorton Street
Fort Worth, TX 76102-6311
817-392-8079

Daily operational activities are directed by:

Jane Berry, Environmental Manager
Allied Waste Systems, Inc.
2559 FM 66
Itasca, TX 76055
254-687-2511

The person responsible for conducting postclosure activities is subject to change. However, as part of the closure notification to TCEQ, as required by Title 30 TAC §330.463(b)(3)(B), the City of Fort Worth will notify the TCEQ regarding the responsible person.

4 POSTCLOSURE LAND USE

4.1 Intended Use

There are no current planned uses for the Fort Worth Southeast Landfill after closure. Should use of the closed landfill be considered, plans will be prepared and submitted to the TCEQ for review and approval.

4.2 Constraints on Postclosure Construction

There are no current plans to construct buildings or other structures on the closed Fort Worth Southeast Landfill. Nevertheless, any future construction activities on the closed landfill will be subject to the provisions of §330.955(b), §330.957(b)(2)(A-D), §330.957(d-e), and §330.957(m)(1)(D-F), which require, among other things, prior approval of the TCEQ.

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 III L – Cost Estimate for Closure and Postclosure Care. The estimated postclosure care cost is ~~\$3,745,110~~ \$3,657,329.