



March 26, 2008
Project No: 07-02-81

Richard C. Carmichael, Ph.D., P.E., CIH
MC 124
Municipal Solid Waste Permits Section
Texas Commission on Environmental Quality (TCEQ)
P. O. Box 13087
Austin, Texas 78711-3087

Re: Permit Modification to Revise the Groundwater Monitor System — Permit Attachments 4 (Geology Report) and 5 (Groundwater Characterization Report) and the Groundwater Sampling and Analysis Plan; Mexia Landfill; MSW Permit No. 1558-A; Limestone County, Texas.

Dear Dr. Carmichael:

This letter is written on behalf of the Mexia Landfill to request a permit modification with notice to revise Permit Attachments 4 (Geology Report) and 5 (Groundwater Characterization Report) and the Groundwater Sampling and Analysis Plan (GWSAP) of TCEQ Municipal Solid Waste Permit No. 1558-A. Specifically, this modification addresses the Groundwater Monitoring Systems requirements of 30 Texas Administrative Code (TAC) §330.403 of the 2006 revised 30 TAC Subchapter J rules governing groundwater monitoring and corrective action (effective March 27, 2006). Per 30 TAC §330.401(b), owners and operators of landfill units shall comply with the 2006 revisions to this subchapter by applying for a permit modification with public notice in accordance with §305.70(l) of this title to revise any inconsistent permit provisions within two years from the effective date (March 27, 2006) of the 2006 revisions. The modification with notice is submitted in accordance with 30 TAC §330.70(l). The TCEQ Part I Application Form is provided as Attachment 1. In addition, and in accordance with 30 TAC §330.59(h)(1), a payment of \$150 has been made online through the TCEQ ePay system, and a copy of the receipt is included in Attachment 2. Per §330.70(e)(5), an adjacent landowners map and landowners list is provided as Attachment 3. Site information and details of the permit modification request are provided in the following sections.

SITE INFORMATION

The Mexia Landfill is located at 3048 LCR 460, in the city of Mexia, in Limestone County, Texas. The site is operated by Mexia Landfill TX, LP, under Municipal Solid Waste Landfill Permit Number 1558-A. Groundwater monitoring is currently conducted via fourteen monitor wells.

PERMIT MODIFICATION

It is requested that relevant sections of Attachment 4 and Attachment 5 of the Mexia Landfill Permit be modified to revise the groundwater monitor well network in accordance with 30 TAC §330.403. It is requested that the GWSAP be modified to comply with rule revisions adopted March 27, 2006. The information required pursuant to §305.70(e) is provided below:

1. A description of the proposed change:

The modification provides a revised groundwater monitor well network in accordance with the 2006 revisions to Subchapter J Groundwater Monitoring and Corrective Action, effective March 27, 2006. Specifically, the modification addresses 30 TAC §330.403 Groundwater Monitoring Systems. The modification provides narrative to relevant sections of the facility Geology Report and Groundwater Characterization Report which describes the proposed monitor well network, provides supporting information and incorporates supporting figures. The modification also provides new pages for those whose page numbers changed as a result of the revisions/additions. A figure highlighting the facility point of compliance and proposed monitor well network is also included in the revised facility Groundwater Characterization Report.

The GWSAP has been modified to comply with rule revisions adopted March 27, 2006. Analytical parameters for detection monitoring have been revised to match the list of constituents of Appendix I of 40 CFR §258 as adopted by the TCEQ rules. The GWSAP has also been modified to address reporting procedures according to the new rule requirements.

The modification proposes the decommissioning of two (2) wells, the installation of two (2) additional point of compliance groundwater monitor wells, and the designation of three (3) existing wells as piezometers.

2. An explanation detailing why the change is necessary:

The modification is necessary to comply with new 30 TAC Subchapter J regulations (effective March 27, 2006), specifically 30 TAC §330.403(a) that states a groundwater monitoring system must be installed that consists of a sufficient number of wells, installed at appropriate locations and depths, to yield representative groundwater samples from the uppermost aquifer as defined in §330.3 of this title, and 30 TAC 330.403(a)(2) that requires the point of compliance monitoring system must include wells installed to allow determination of the quality of groundwater passing the point of compliance in the uppermost aquifer. A certified groundwater monitor well system is currently in place and operation that fulfilled former applicable requirements and regulations.

the 2006 revisions to Subchapter J by applying for a permit modification with public notice in accordance with §305.70(l) to revise any inconsistent permit provisions within two years from the effective date of the 2006 revisions. The permit modification is provided in response to the referenced regulatory provision, not due to any finding that the current network is technically deficient within the framework it was originally designed.

3. Appropriate revisions to all applicable narrative pages and drawings of the permit:

Underline/strikeout pages for the revised Section 6 of the facility Geology Report are included as Attachment 4 of this modification request. Clean/replacement pages for the revised Section 6 of the facility Geology Report are included as Attachment 5 of this modification request. Underline/strikeout pages for the revised sections of the facility Groundwater Characterization Report are included as Attachment 6 of this modification request. Clean/replacement pages for the revised sections of the facility Groundwater Characterization Report are included as Attachment 7 of this modification request. Underline/strikeout pages for the revised GWSAP are included as Attachment 8 of this modification request. Clean/replacement pages for the revised GWSAP are included as Attachment 9 of this modification request.

4. A reference made to the specific provision under which the modification application is being made:

The proposed modification with notice is required under 30 TAC §330.401(b) and 30 TAC §330.403. The modification is allowable and in accordance with 30 TAC §305.70(l).

5. A landowners map and an updated landowners list as required under §330.52(b)(4)(D) and (b)(5).

A landowners list and map is provided as Attachment 3.

One original and two copies of this modification application are provided for your use. One of the two copies has been provided to the appropriate commission regional office. A copy has been placed in the operating record of the facility.

