



March 26, 2008  
Project No: 07-02-79

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

**Re: Permit Modification to Revise the Groundwater Monitor System – Section 2 of Attachment 5 (Groundwater Characterization Report) and the Groundwater Sampling and Analysis Plan; Ellis County Landfill; MSW Permit No. 1745-B; Ellis County, Texas.**

Dear Dr. Carmichael:

This letter is written to request a permit modification with notice to revise Section 2 of Attachment 5 (Groundwater Characterization Report) and the Groundwater Sampling and Analysis Plan (GWSAP) of TCEQ Municipal Solid Waste Permit No. 1745-B. 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 Ellis County Landfill is located approximately 4 miles north of the City of Ennis and 1.8 miles south of Palmer, Texas on Interstate 45. The facility is a Type I municipal solid waste (MSW) landfill operating under MSW Permit No. 1745-B. The site was originally permitted on June 13, 1988 and is currently owned and operated by Ellis County Landfill

TX, L.P. Groundwater monitoring is currently conducted via ten groundwater monitor wells: MW-1A and MW-3 through MW-11.

## PERMIT MODIFICATION

It is requested that Section 2 of the facility Groundwater Characterization Report for the Ellis County 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 Section 2 of the facility 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 four (4) wells and the installation of six (6) additional point of compliance groundwater monitor wells. The modification also proposes to re-designate two (2) upgradient monitor 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. Per 30 TAC §330.401(b), owners and operators of landfill units shall comply with 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 2 of the facility Groundwater Characterization Report are included as Attachment 4 of this modification request. Clean/replacement pages for the revised Section 2 of the facility Groundwater Characterization Report are included as Attachment 5 of this modification request. Underline/strikeout pages for the revised GWSAP are included as Attachment 6 of this modification request. Clean/replacement pages for the revised GWSAP are included as Attachment 7 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.

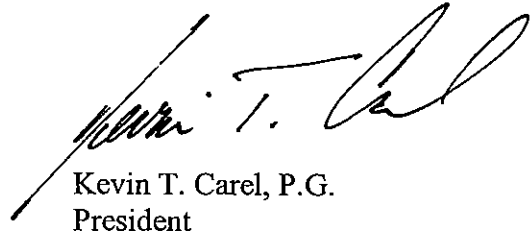
One original and two copies of this modification application are provided for your use. One of the two copies has been provided to the appropriate commission regional office. A copy has been placed in the operating record of the facility.

I, Kevin T. Carel, P.G., am a qualified groundwater scientist as defined in 30 TAC 330.3(120). I trust this information is acceptable. Please call at (817) 337-0112 if you have any questions.

Sincerely,  
THE CAREL CORPORATION



Steven J. Wimmer  
Geologist



Kevin T. Carel, P.G.  
President

- Attachment 1 – TCEQ Part 1 Application Form
- Attachment 2 – Receipt for Fee Payment through TCEQ ePay System
- Attachment 3 – Adjacent Landowners List and Landowners Map
- Attachment 4 – Underline/Strikeout Pages – Revised Section 2 of Attachment 5
- Attachment 5 – Clean/Replacement Pages – Revised Section 2 of Attachment 5
- Attachment 6 – Underline/Strikeout Pages – GWSAP
- Attachment 7 – Clean/Replacement Pages – GWSAP

cc: TCEQ Region 4 Office  
Mark Meadows – Allied Waste Industries  
Mark Allendorf – Allied Waste Industries  
John Helms – Ellis County Landfill

**ATTACHMENT 1**

**TCEQ Part 1 Application Form**