DEPARTMENT OF THE ARMY
CAMP STANLEY STORAGE ACTIVITY, MCAAP
25800 RALPH FAIR ROAD, BOERNE, TX 78015-4800

May 27, 2011

U-086-10

Mr. Bryan Smith
Texas Commission on Environmental Quality
Industrial and Hazardous Waste Permits Section
P.O. Box 13087 (MC-130)
Austin, TX 78711-3087

Subject: Biannual Status Report (Month 43 – Month 48, November, 2010 - April, 2011) of the Pilot Study Class V Aquifer Remediation Injection Wells at Camp Stanley Storage Activity, Boerne, Texas, TCEQ Authorization No. 5X2600431; WWC12002216; CN602728206/RN104431655

Dear Mr. Smith:

The Camp Stanley Storage Activity (CSSA), McAlester Army Ammunition Plant, U.S. Army Field Support Command, Army Materiel Command, U.S. Army, is submitting this biannual report summarizing the injection activities performed at the on-post Solid Waste Management Unit (SWMU) B-3 site. The activities performed are part of the planned SWMU B-3 Pilot Study being performed to evaluate the effectiveness of enhanced anaerobic biodegradation (EAB) for treatment of chlorinated compounds in groundwater. The pilot study activities include the injection of recovered groundwater into mulch/gravel filled bioreactor trenches.

This biannual report contains data as specified by the Texas Commission on Environmental Quality (TCEQ) Underground Injection Control (UIC) permit for the months of November, 2010 through April, 2011 (Months 43-48). The biannual reporting data includes monthly samples of the injected groundwater for volatile organic concentrations (VOCs) and total dissolved solids (TDS) and field collected parameters including injection volumes, injection pressures and the pH of recovered groundwater. Data indicates that concentrations of contaminants did not exceed limits specified in 40 CFR §261.24 Table 1 as referenced in CSSA's UIC permit authorization.

Between November 1, 2010 and April 30, 2011 approximately 10,240,430 gallons of groundwater from wells CS-MW16-CC (~3,566,100 gallons), CS-MW16-LGR (~2,240,200 gallons), B3-EXW-01 (~2,037,500 gallons), B3-EXW-02 (~2,396,500) were injected into SWMU B-3 bioreactor trenches 1 and 2. A total of 41,399,289 gallons of recovered groundwater from CS-MW16-LGR, CS-MW16-CC, B3-EXW-01, and B3-EXW-02 have been injected into bioreactor trenches 1 and 2 since normal bioreactor operations began. Samples of the injected groundwater, for this reporting period, were collected on November 18 and December 21, 2010, and January 19, February 24, March 22, and April 19, 2011. Results of analysis are summarized in the attached Table 1. An additional 24,000 gallons of water were injected into trench 4. This additional water was generated for additional monitoring well drilling efforts located on post. The laboratory data packages for characterization of the managed water for the newly drilled monitoring wells CS-MW35-LGR, CS-MW36-LGR and AOC65-SIW-01 are included in the accompanying CD. Field forms which contain operating pressures and pH readings for the reporting period are also attached and the laboratory data packages are included in the accompanying CD.

If you have any questions regarding the information contained in this letter, please feel free to contact Gabriel Moreno-Fergusson, CSSA Environmental Program Manager, at (210) 698-5208 or Ken Rice, Parsons, at (512) 719-6050.

Sincerely,

Jason D. Shirley
Installation Manager

Enclosures

cc: Gabriel Moreno-Fergusson, CSSA Environmental Program Manager
Wayne Elliott, USAE (ltr only)
Julie Burdey, Parsons (ltr only)
Ken Rice, Parsons
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