



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

September 3, 2014

U-100-14

Mr. Jeff Davis  
Texas Commission on Environmental Quality  
Underground Injection Control Permits Section  
Radioactive Materials Division  
P.O. Box 13087 (MC-233)  
Austin, TX 78711-3087

Subject: TCEQ Request for Class V Injection Well Authorization Update at Camp Stanley Storage Activity, Boerne, Texas, TCEQ Authorization Nos. 5X2600408, 5X2600431 & 5X2600645; WWC12002216; CN602728206/RN104431655

Dear Mr. Davis:

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 status update report summarizing the injection activities performed at the on-post Solid Waste Management Unit (SWMU) B-3 site and Area of Concern 65 (AOC-65). A summary of information for each of CSSA's Class V Aquifer Remediation Injection Wells and status is provided in the attached Table 1.

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) 295-7453 or Ken Rice, Parsons, at (512) 719-6050.

Sincerely,

  
Jason D. Shirley  
Installation Manager

Enclosure

cc: Gabriel Moreno-Fergusson, CSSA Environmental Program Manager  
Julie Burdey, Parsons  
Ken Rice, Parsons  
File: 749138.02200

**Table 1**  
**Summary and Status of CSSA's**  
**Class V Aquifer Remediation Injection Wells**

**Table 1 CSSA Class V Injection Well Permit Summary and Status**

TCEQ Authorization No.	Total No. of Class V Injection Wells	Summary of Past Injection Activities				Plugging Information	Status of Authorization
		Purpose of Injections	Injection Date(s)	Volume of Injection (gallons)	Description of Material Injected		
5X26000408	One well: CS-B3-MW01	To evaluate effectiveness of enhanced anaerobic biodegradation for SWMU B-3 pilot study.	March 2006	5 gallons	Potassium iodide tracer and water	CS-B3-MW01 has not been plugged. Currently used as monitoring well	CSSA requested suspension of the authorization on December 21, 2006.
			April 2006 - Suspended	3,170 gallons	<ul style="list-style-type: none"> <li>• Sodium lactate (100 gals);</li> <li>• Vegetable oil emulsion (170 gals);</li> <li>• VOC-impacted groundwater (2,900 gals)</li> </ul>		
5X26000431	Six mulch/gravel filled trenches at SWMU B-3	Bioreactor pilot study at SWMU B-3	April 2007 – Ongoing	92,968,400 gallons	Groundwater recovered from CS-MW16-LGR, CS-MW16-CC, B3-EXW01, B3-EXW02, B3-EXW03, B3-EXW04, and B3-EXW05.	None – no plugging has been completed.	Ongoing
5X26000645	11 wells and one 15-ft deep injection gallery	In-situ chemical oxidation (ISCO) pilot study at AOC-65	August 2012 - Ongoing	75,000 gallons	20% Sodium persulfate solution and sodium hydroxide	None – no plugging has been completed.	Ongoing