



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

August 17, 2012

U-082-12

[REDACTED]

[REDACTED]

San Antonio, TX 78253

SUBJECT: Sampling of Water Wells: LS-5, Located at 7579 Curres Creek Road and LS-6, Located at 7655 Curres Creek Road

Dear [REDACTED]:

Camp Stanley Storage Activity (CSSA) collected groundwater samples from the above listed wells (LS-5 and LS-6) on 6/4/12. These samples were submitted to a laboratory contracted by CSSA's environmental contractor for volatile organic compound (VOC) analysis. This letter provides you with the VOC data from the laboratory results and a formal thank you for your assistance in this groundwater monitoring effort.

An abbreviated summary of analytical results compared to maximum contaminant levels (MCLs) allowed in drinking water by the U.S. EPA under the Safe Drinking Water Act is provided below:

Date Sampled	VOC Compound	Result (ppb)	MCL (ppb)
Well LS-5, located at 7579 Curres Creek Rd.			
6/4/12	Tetrachloroethene (PCE)	1.16F	5
	Trichloroethene (TCE)	3.33	5
	cis-1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well LS-5, Field Duplicate			
6/4/12	Tetrachloroethene (PCE)	1.14F	5
	Trichloroethene (TCE)	3.22	5
	cis-1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well LS-6, located at 7655 Curres Creek Rd.			
6/4/12	Tetrachloroethene (PCE)	1.10F	5
	Trichloroethene (TCE)	3.37	5
	cis-1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70

*The "F" qualifier indicates the value is above the laboratory method detection limit, but below the laboratory reporting limit for the compound.

Based on the analytical data, levels of the VOCs PCE and TCE were identified in the water samples from your wells (LS-5 & LS-6) before granular activated carbon (GAC) filtration. These concentrations are below the applicable MCLs and do not affect usability of your wells. The concentrations reported in your wells LS-5 and LS-6 were above or approaching the MCL for VOCs in the past. Therefore, filtration systems were installed on each of your wells.

The filtration systems were installed by Carbonair Environmental Systems of San Marcos, Texas. These systems will remain in operation for the foreseeable future or until significant reductions in contamination levels are seen in the water in your wells before it enters the filtration system. As we discussed at the time of installation, CSSA will continue to be responsible for all costs associated with operation and maintenance of these systems. CSSA will continue to send a representative every 3 weeks to exchange the five-micron pre-and post-filters in the systems.

Carbonair exchanged the first carbon canister and performed other routine maintenance on your system in July 2012. If you experience any problems with the systems, please let the installer or CSSA know immediately. Carbonair is very responsive and can make additional maintenance visits if needed. Post-GAC samples were not collected this event but are scheduled to be collected again during the September 2012 sampling event.

As part of the ongoing CSSA environmental program, we are continuing to investigate and cleanup VOC source areas on the installation and to track these compounds in groundwater on- and off-post. As part of this effort, your wells are scheduled to be sampled again in September 2012.

Again, we would like to thank you for your cooperation. We regret that your wells have been impacted, but remain committed to making sure your water is safe to use and keeping you informed. If you have any questions concerning this letter, please contact Gabriel Moreno-Fergusson, Environmental Program Manager, at (210) 295-7014.

Sincerely,



Jason D. Shirley
Installation Manager

Enclosures

cc: Mr. Greg Lyssy, EPA Region 6
Mr. Kirk Coulter, TCEQ Central Office
Mr. Henry Karnei, TCEQ Region 13
Ms. Kyle Cunningham, San Antonio Metropolitan Health Dist.
Ms. Julie Burdey, Parsons

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120605AN-167723
 Lab Name: APPL, Inc Contract #: *G012
 Field Sample ID: LS-5 Lab Sample ID: AY62947 Matrix: Water
 % Solids: NA Initial Calibration ID: N120602
 Date Received: 05-Jun-12 Date Prepared: 05-Jun-12 Date Analyzed: 05-Jun-12
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	3.33	1		
TETRACHLOROETHENE	0.06	1.4	1.16	1		F
TRANS-1,2-DCE	0.08	0.6	0.08	1		U
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	97.4	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.5	75-125	
SURROGATE: DIBROMOFLUOROMETH	97.3	75-125	
SURROGATE: TOLUENE-D8 (S)	100	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67960

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120606AN-167734
 Lab Name: APPL, Inc Contract #: *G012
 Field Sample ID: LS-5 FD Lab Sample ID: AY62948 Matrix: Water
 % Solids: NA Initial Calibration ID: N120602
 Date Received: 05-Jun-12 Date Prepared: 06-Jun-12 Date Analyzed: 06-Jun-12
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	3.22	1		
TETRACHLOROETHENE	0.06	1.4	1.14	1		F
TRANS-1,2-DCE	0.08	0.6	0.08	1		U
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	106	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	92.4	75-125	
SURROGATE: DIBROMOFLUOROMETH	104	75-125	
SURROGATE: TOLUENE-D8 (S)	91.1	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67960

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 120606AN-167734
 Lab Name: APPL, Inc Contract #: *G012
 Field Sample ID: LS-6 Lab Sample ID: AY62949 Matrix: Water
 % Solids: NA Initial Calibration ID: N120602
 Date Received: 05-Jun-12 Date Prepared: 06-Jun-12 Date Analyzed: 06-Jun-12
 Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
1,1-DCE	0.12	1.2	0.12	1		U
CIS-1,2-DCE	0.07	1.2	0.07	1		U
TCE	0.05	1.0	3.37	1		
TETRACHLOROETHENE	0.06	1.4	1.10	1		F
TRANS-1,2-DCE	0.08	0.6	0.08	1		U
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	113	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	106	75-125	
SURROGATE: DIBROMOFLUOROMETH	106	75-125	
SURROGATE: TOLUENE-D8 (S)	105	75-125	

Internal Std	Qualifier
1,4-DICHLOROBENZENE-D4 (IS)	
CHLOROBENZENE-D5 (IS)	
FLUOROBENZENE (IS)	

Comments:

ARF: 67960