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

April 4, 2014

U-056-14

[redacted]
Boerne, TX 78015

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

Dear [redacted]:

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your wells (LS-5 and LS-6) on 3/5/14. 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 7655 Curres Creek Road			
3/5/14	Tetrachloroethene (PCE)	1.01F	5
	Trichloroethene (TCE)	2.99	5
	cis-1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70
Well LS-6, located at 7655 Currres Creek Road			
3/5/14	Tetrachloroethene (PCE)	0.76F	5
	Trichloroethene (TCE)	3.19	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 TCE and PCE were identified in the water samples from your wells before granular activated carbon (GAC) filtration. Results from the laboratory analyses are provided as an attachment for the above sampling event. These levels are below the applicable MCL and do not affect usability of your well. 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.

Carbonair Environmental Systems of San Marcos, Texas installed the GAC filtration systems on your wells. The systems will remain in operation for the foreseeable future or until significant reductions in contamination levels are seen in the water in your well 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 this system. CSSA will continue to send a representative every three weeks to exchange the five-micron pre-and post-filters in the system.

Carbonair exchanged the first carbon canister and performed other routine maintenance on your systems on February 5, 2014. 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.

On 3/5/14, CSSA collected samples from your wells LS-5 and LS-6 after the water was processed through the granular activated carbon (GAC) filter system. These samples are representative of the water being delivered to you for daily use. Based on the analytical data, no VOCs related to CSSA's groundwater investigation were identified in the samples after the second carbon canister (A2). A summary of the post-GAC analytical results is provided below. Copies of the laboratory data sheets are attached. CSSA will collect additional confirmation samples on a 6-month basis to confirm the system remains effective.

Date Sampled	**VOC compound**	**Result (ppb)**	**MCL (ppb)**
Well LS-5-A2, located at 7655 Curres Creek Road			
3/5/14	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	cis-1,2-DCE	<0.07 (non-detect)	70
Well LS-6-A2, located at 7655 Curres Creek Road			
3/5/14	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	cis-1,2-DCE	<0.07 (non-detect)	70

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 June 2014.

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

Enclosure

cc: Mr. Greg Lyssy, U.S. EPA Region 6
Mr. Kirk Coulter, TCEQ Central Office
Mr. Jorge Salazar, 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 #: 140311AT-185167
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: LS-5 Lab Sample ID: AY93214 Matrix: Water
% Solids: NA Initial Calibration ID: T140307
Date Received: 06-Mar-14 Date Prepared: 11-Mar-14 Date Analyzed: 11-Mar-14
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	2.99	1		
TETRACHLOROETHENE	0.06	1.4	1.01	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-	103	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	99.7	75-125	
SURROGATE: DIBROMOFLUOROMETH	103	75-125	
SURROGATE: TOLUENE-D8 (S)	95.7	75-125	

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

Comments:

ARF: 72812

AFCEE FORM O-2

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 140313AT-185309
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: LS-5-A2 Lab Sample ID: AY93215 Matrix: Water
% Solids: NA Initial Calibration ID: T140307
Date Received: 06-Mar-14 Date Prepared: 13-Mar-14 Date Analyzed: 13-Mar-14
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	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	0.06	1		U
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-	102	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	98.8	75-125	
SURROGATE: DIBROMOFLUOROMETH	99.1	75-125	
SURROGATE: TOLUENE-D8 (S)	93.9	75-125	

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

Comments:

ARF: 72812

AFCEE FORM O-2

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 140311AT-185167
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: LS-6 Lab Sample ID: AY93212 Matrix: Water
% Solids: NA Initial Calibration ID: T140307
Date Received: 06-Mar-14 Date Prepared: 11-Mar-14 Date Analyzed: 11-Mar-14
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	3.19	1		
TETRACHLOROETHENE	0.06	1.4	0.76	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-	103	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	101	75-125	
SURROGATE: DIBROMOFLUOROMETH	100	75-125	
SURROGATE: TOLUENE-D8 (S)	95.6	75-125	

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

Comments:

ARF: 72812

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 140311AT-185167
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: LS-6-A2 Lab Sample ID: AY93213 Matrix: Water
% Solids: NA Initial Calibration ID: T140307
Date Received: 06-Mar-14 Date Prepared: 11-Mar-14 Date Analyzed: 11-Mar-14
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	0.05	1		U
TETRACHLOROETHENE	0.06	1.4	0.06	1		U
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-	99.0	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	100	75-125	
SURROGATE: DIBROMOFLUOROMETH	98.8	75-125	
SURROGATE: TOLUENE-D8 (S)	95.4	75-125	

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

Comments:

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