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

November 7, 2016

U-008-17

SUBJECT: Sampling of Water Well RFR-10, Located at 25490 Old Fredericksburg Rd

[redacted]
Boerne, TX 78015

Dear [redacted]

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your well (RFR-10) on 9/6/16. 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 RFR-10, located at 25490 Old Fredericksburg Road			
9/6/16	Tetrachloroethene (PCE)	**6.95**	5
	Trichloroethene (TCE)	4.27	5
	cis-1,2-Dichloroethene (DCE)	0.18F	70

Based on the analytical data, levels of the VOCs PCE, TCE, and cis-1,2-DCE were identified in the water sample from your well before granular activated carbon (GAC) filtration. Results from the laboratory analysis are provided as an attachment for the above sampling event. The concentrations reported for the VOCs PCE and TCE were above the MCL in the past. Therefore, a filtration system was installed on your well.

Carbonair Environmental Systems of San Marcos, Texas installed the GAC filtration system on your well. The system 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 system September 6, 2016. If you experience any problems with the system, please let the installer or CSSA know immediately. Carbonair is very responsive and can make additional maintenance visits if needed.

On 9/6/16, CSSA collected samples from your well RFR-10 after the water was processed through the granular activated carbon (GAC) filter systems. 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 canisters (A2 and B2) of your two GAC systems. 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 Sample	VOC compound	Result	MCL (ppb)
Well RFR-10-A2, located at 25490 Old Fredericksburg Road			
9/6/16	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	cis-1,2-DCE	<0.07 (non-detect)	70
Well RFR-10-A2, field duplicate (FD)			
9/6/16	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	cis-1,2-DCE	<0.07 (non-detect)	70
Well RFR-10-B2, located at 25490 Old Fredericksburg Road			
9/6/16	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 well is scheduled to be sampled again in December 2016.

Again, we would like to thank you for your cooperation. We regret that your well has 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 Felicia Kraintz, Environmental Program Manager, at (210) 295-7067.

Sincerely,

Jason Shirley

Jason D. Shirley
Installation Manager

Enclosure

cc: Mr. Greg Lyssy, EPA Region 6
Ms. Amanda Pirani, TCEQ Central Office
Mr. Jorge Salazar, TCEQ Region 13
Ms. Kyle Cunningham, San Antonio Metropolitan Health Dist.
Ms. Julie Burdey, Parsons

Qualifiers for laboratory data report:
U - The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.
F - Indicates the value is above the laboratory method detection limit, but below the laboratory reporting limit for the compound.

Abbreviations:
MDL – method detection limit
RL – reporting limit
DCE – Dichloroethene
TCE – Trichloroethene

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 160909AT-211660
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10 Lab Sample ID: AZ42531 Matrix: Water
% Solids: NA Initial Calibration ID: T160904
Date Received: 08-Sep-16 Date Prepared: 09-Sep-16 Date Analyzed: 09-Sep-16
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
CIS-1,2-DCE	0.07	1.2	0.18	1		F
TCE	0.05	1.0	4.27	1		
TETRACHLOROETHENE	0.06	1.4	6.95	1		
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	104	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	92.9	75-125	
SURROGATE: DIBROMOFLUOROMETH	98.0	75-125	
SURROGATE: TOLUENE-D8 (S)	98.6	75-125	

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

Comments:
ARF: 80877

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 160909AM-211663
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-A2 Lab Sample ID: AZ42533 Matrix: Water
% Solids: NA Initial Calibration ID: M160903
Date Received: 08-Sep-16 Date Prepared: 09-Sep-16 Date Analyzed: 09-Sep-16
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
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
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	97.8	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	96.3	75-125	
SURROGATE: DIBROMOFLUOROMETH	102	75-125	
SURROGATE: TOLUENE-D8 (S)	102	75-125	

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

Comments:

ARF: 80876

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 160909AM-211663
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-A2 FD Lab Sample ID: AZ42532 Matrix: Water
% Solids: NA Initial Calibration ID: M160903
Date Received: 08-Sep-16 Date Prepared: 09-Sep-16 Date Analyzed: 09-Sep-16
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
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
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	94.6	69-139	
SURROGATE: 4-BROMOFLUOROBENZ	94.7	75-125	
SURROGATE: DIBROMOFLUOROMETH	98.7	75-125	
SURROGATE: TOLUENE-D8 (S)	98.6	75-125	

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

Comments:

ARF: 80876

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 160909AT-211660
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-B2 Lab Sample ID: AZ42534 Matrix: Water
% Solids: NA Initial Calibration ID: T160904
Date Received: 08-Sep-16 Date Prepared: 09-Sep-16 Date Analyzed: 09-Sep-16
Concentration Units: ug/L

Analyte	MDL	RL	Concentration	Dilution	Confirm	Qualifier
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
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	96.8	75-125	
SURROGATE: DIBROMOFLUOROMETH	96.8	75-125	
SURROGATE: TOLUENE-D8 (S)	101	75-125	

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

Comments:

ARF: 80877

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