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

November 30, 2021

U-047-21

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 9/1/21 and 10/27/21. 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			
9/1/21	Tetrachloroethene (PCE)	**8.13**	5
	Trichloroethene (TCE)	4.34	5
	cis-1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70

Based on the analytical data, levels of the VOCs PCE and TCE 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.

Evoqua Water Technologies of Houston, Texas provides maintenance for 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.

Evoqua exchanged the first carbon canister and performed other routine maintenance on your system October 19, 2021. If you experience any problems with the system, please let the installer or CSSA know immediately. Evoqua is very responsive and can make additional maintenance visits if needed.

On 9/1/21, CSSA collected samples from your well RFR-10 after the water was processed through the granular activated carbon (GAC) filter system. Additional samples were collected 10/27/21 after Evoqua performed the carbon exchange service on 10/19/21. 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). 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 (ppb)	MCL (ppb)
Well RFR-10-A2, located at 25490 Old Fredericksburg Road			
9/1/21	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			
9/1/21	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, located at 25490 Old Fredericksburg Road			
10/27/21	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			
10/27/21	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 2021.

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 Gabriel Moreno-Fergusson, Environmental Program Manager, at (210) 295-7067.

Sincerely,

T. Glenn Moore
Installation Manager

Enclosure

cc: Mr. Greg Lyssy, EPA Region 6
Mr. Timothy Brown, 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 #: 210908AL-269244
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10_090121_N1015 Lab Sample ID: BA39814 Matrix: Water
% Solids: NA Initial Calibration ID: 210907
Date Received: 03-Sep-21 Date Prepared: 08-Sep-21 Date Analyzed: 08-Sep-21
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	4.34	1		
TETRACHLOROETHENE	0.06	1.4	8.13	1		
VINYL CHLORIDE	0.08	1.1	0.08	1		U

Surrogate	Recovery	Control Limits	Qualifier
SURROGATE: 1,2-DICHLOROETHANE-	104	81-118	
SURROGATE: 4-BROMOFLUOROBENZ	92.7	85-114	
SURROGATE: DIBROMOFLUOROMETH	99.0	80-119	
SURROGATE: TOLUENE-D8 (S)	94.2	89-112	

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

Comments:

ARF: 97401

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 210908AL-269244
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-A2_090121_N1020 Lab Sample ID: BA39815 Matrix: Water
% Solids: NA Initial Calibration ID: 210907
Date Received: 03-Sep-21 Date Prepared: 08-Sep-21 Date Analyzed: 08-Sep-21
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-	107	81-118	
SURROGATE: 4-BROMOFLUOROBENZ	92.8	85-114	
SURROGATE: DIBROMOFLUOROMETH	100	80-119	
SURROGATE: TOLUENE-D8 (S)	94.8	89-112	

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

Comments:

ARF: 97401

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 210908AL-269244
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-B2_090121_N1025 Lab Sample ID: BA39816 Matrix: Water
% Solids: NA Initial Calibration ID: 210907
Date Received: 03-Sep-21 Date Prepared: 08-Sep-21 Date Analyzed: 08-Sep-21
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-	110	81-118	
SURROGATE: 4-BROMOFLUOROBENZ	94.0	85-114	
SURROGATE: DIBROMOFLUOROMETH	103	80-119	
SURROGATE: TOLUENE-D8 (S)	97.0	89-112	

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

Comments:

ARF: 97401

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 211103AM-269931
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-A2_102721_N1340 Lab Sample ID: BA44455 Matrix: Water
% Solids: NA Initial Calibration ID: 211029
Date Received: 28-Oct-21 Date Prepared: 03-Nov-21 Date Analyzed: 03-Nov-21
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-	102	81-118	
SURROGATE: 4-BROMOFLUOROBENZE	98.9	85-114	
SURROGATE: DIBROMOFLUOROMETH	103	80-119	
SURROGATE: TOLUENE-D8 (S)	104	89-112	

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

Comments:

ARF: 98004

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 211103AM-269931
Lab Name: APPL, Inc Contract #: *G012
Field Sample ID: RFR-10-B2_102721_N1345 Lab Sample ID: BA44456 Matrix: Water
% Solids: NA Initial Calibration ID: 211029
Date Received: 28-Oct-21 Date Prepared: 03-Nov-21 Date Analyzed: 03-Nov-21
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	81-118	
SURROGATE: 4-BROMOFLUOROBENZE	96.7	85-114	
SURROGATE: DIBROMOFLUOROMETH	104	80-119	
SURROGATE: TOLUENE-D8 (S)	101	89-112	

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

Comments:

ARF: 98004

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