



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

May 14, 2009

U-096-09

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

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your well (RFR-10) on 3/2/09. 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			
3/2/09	Tetrachloroethene (PCE)	8.16	5
	Trichloroethene (TCE)	2.34	5
	<i>cis</i> -1,2-Dichloroethene (DCE)	<0.07 (non-detect)	70

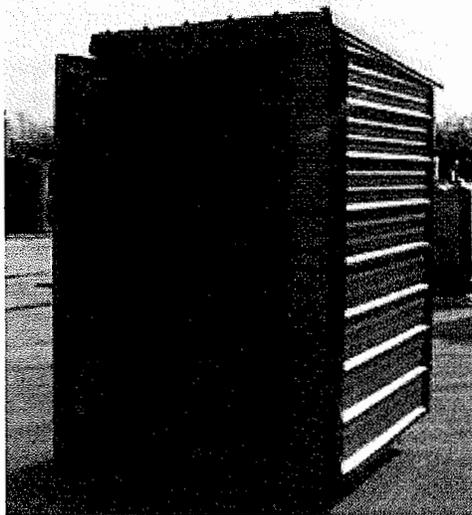
*The "F" qualifier indicates the value is above the laboratory method detection limit, but below the laboratory reporting limit for the compound.

Based on the analytical data, levels of the VOCs PCE and TCE were identified in water samples 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 concentration reported for the VOC PCE is above the MCL and concentrations for VOCs PCE and TCE were above the MCL in the past. Therefore, a filtration system was installed on your well.

As reported previously, the filtration system at RFR-10 was installed by Carbonair Environmental Systems of San Marcos, Texas. 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 be responsible for all costs associated with operation and maintenance of this system. CSSA

will send a representative every 3 weeks to exchange the five-micron pre-and post-filters in the system.

Carbonair performed maintenance on the system on November 20, 2008. Maintenance will be scheduled approximately every six months. To improve the appearance of the system, we would like to have Carbonair install a new enclosure during their next maintenance visit scheduled for the week of May 18, 2009. The enclosure to be installed will be a metal building similar to the picture below. Carbonair estimates that it could take up to 8 hours to remove the existing structure and install the new one, but it will likely take less time. One carbon tank will remain in service while the building is being replaced to avoid water outages.



Carbonair will also exchange the first carbon canister and perform other routine maintenance operations at the same time. 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. Post-GAC samples were collected this event and will be collected again during the September 2009 sampling event.

On 3/2/09, CSSA collected a sample from your well (RFR-10) after the water was processed through the granular activated carbon (GAC) filter system. This sample is representative of the water being delivered to your home for daily use. Based on the analytical data, no VOCs related to CSSA's groundwater investigation were identified in the sample after the second carbon canister (A2) in both GAC units. 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 RFR-10-A2, located at 25490 Old Fredericksburg Rd			
3/2/09	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	<i>cis</i> -1,2-DCE	<0.07 (non-detect)	70
Well RFR-10-B2, located at 25490 Old Fredericksburg Rd			
3/2/09	PCE	<0.06 (non-detect)	5
	TCE	<0.05 (non-detect)	5
	<i>cis</i> -1,2-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.

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, we may contact you in the future to schedule another sampling event for the well listed above.

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 Glare Sanchez, Environmental Program Manager, at (210) 698-5208.

Sincerely,



Jason D. Shirley
Installation Manager

Enclosure

cc: Mr. Greg Lyssy, EPA Region 6
Mr. Sonny Rayos, 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 #: 090309AS-130671
 Lab Name: APPL, Inc Contract #: W9126G07D00280011
 Field Sample ID: RFR-10 Lab Sample ID: AX91930 Matrix: Water
 % Solids: NA Initial Calibration ID: S090305
 Date Received: 04-Mar-09 Date Prepared: 10-Mar-09 Date Analyzed: 10-Mar-09
 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	2.34	1		
Tetrachloroethene	0.06	1.4	8.16	1		
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-d4 (S)	107	69-139	
Surrogate: 4-Bromofluorobenzene (S)	89.8	75-125	
Surrogate: Dibromofluoromethane (S)	105	75-125	
Surrogate: Toluene-D8 (S)	91.3	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D4 (IS)	
Chlorobenzene-D5 (IS)	
Fluorobenzene (IS)	

Comments:

ARF: 58282

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 090309AS-130671
 Lab Name: APPL, Inc Contract #: W9126G07D00280011
 Field Sample ID: RFR-10-A2 Lab Sample ID: AX91931 Matrix: Water
 % Solids: NA Initial Calibration ID: S090305
 Date Received: 04-Mar-09 Date Prepared: 10-Mar-09 Date Analyzed: 10-Mar-09
 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-d4 (S)	110	69-139	
Surrogate: 4-Bromofluorobenzene (S)	98.4	75-125	
Surrogate: Dibromofluoromethane (S)	103	75-125	
Surrogate: Toluene-D8 (S)	99.6	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D4 (IS)	
Chlorobenzene-D5 (IS)	
Fluorobenzene (IS)	

Comments:

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ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 090309AS-130671
 Lab Name: APPL, Inc Contract #: W9126G07D00280011
 Field Sample ID: RFR-10-B2 Lab Sample ID: AX91932 Matrix: Water
 % Solids: NA Initial Calibration ID: S090305
 Date Received: 04-Mar-09 Date Prepared: 10-Mar-09 Date Analyzed: 10-Mar-09
 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-d4 (S)	110	69-139	
Surrogate: 4-Bromofluorobenzene (S)	91.6	75-125	
Surrogate: Dibromofluoromethane (S)	95.8	75-125	
Surrogate: Toluene-D8 (S)	94.3	75-125	

Internal Std	Qualifier
1,4-Dichlorobenzene-D4 (IS)	
Chlorobenzene-D5 (IS)	
Fluorobenzene (IS)	

Comments:

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