



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

November 2, 2017

U-006-18

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

[REDACTED]
[REDACTED]
25490 Old Fredericksburg Road
Boerne, TX 78015

Dear M [REDACTED]

Camp Stanley Storage Activity (CSSA) collected groundwater samples from your well (RFR-10) on 9/21/17. 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 | | | |
| 9/21/17 | Tetrachloroethene (PCE) | 17.63 | 5 |
| | Trichloroethene (TCE) | 11.03 | 5 |
| | <i>cis</i> -1,2-Dichloroethene (DCE) | 0.35F | 70 |

Based on the analytical data, levels of the VOCs PCE, TCE, and *cis*-1,2-DCE were identified in the 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 concentrations reported for the VOCs PCE and TCE were above the MCL in the past. Therefore, a filtration system was installed on your well.

ProAct Services Corporation (formerly 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.

ProAct exchanged the first carbon canister and performed other routine maintenance on your system September 20, 2017. If you experience any problems with the system, please let the installer or CSSA know immediately. ProAct is very responsive and can make additional maintenance visits if needed.

On 9/21/17, CSSA collected samples from your well RFR-10 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 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) |
|---|---------------------|--------------------|-----------|
| RFR-11-A2, located at 25490 Old Fredericksburg Road | | | |
| 9/21/17 | PCE | <0.06 (non-detect) | 5 |
| | TCE | <0.05 (non-detect) | 5 |
| | <i>cis</i> -1,2-DCE | <0.07 (non-detect) | 70 |
| RFR-11-B2, located at 25490 Old Fredericksburg Road | | | |
| 9/21/17 | PCE | <0.06 (non-detect) | 5 |
| | TCE | <0.05 (non-detect) | 5 |
| | <i>cis</i> -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 2017.

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 D. Shirley
Installation Manager

Enclosure

- cc: Mr. Greg Lyssy, EPA Region 6
- Mr. Paul Gregorio, 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 #: 170925AM-222283
 Lab Name: APPL, Inc Contract #: *G012
 Field Sample ID: RFR-10 Lab Sample ID: AZ61366 Matrix: Water
 % Solids: NA Initial Calibration ID: M170923A
 Date Received: 22-Sep-17 Date Prepared: 25-Sep-17 Date Analyzed: 25-Sep-17
 Concentration Units: ug/L

| Analyte | MDL | RL | Concentration | Dilution | Confirm | Qualifier |
|-------------------|------|-----|---------------|----------|---------|-----------|
| CIS-1,2-DCE | 0.07 | 1.2 | 0.35 | 1 | | F |
| TCE | 0.05 | 1.0 | 11.03 | 1 | | |
| TETRACHLOROETHENE | 0.06 | 1.4 | 17.63 | 1 | | |
| VINYL CHLORIDE | 0.08 | 1.1 | 0.08 | 1 | | U |

| Surrogate | Recovery | Control Limits | Qualifier |
|--------------------------------|----------|----------------|-----------|
| SURROGATE: 1,2-DICHLOROETHANE- | 95.6 | 69-139 | |
| SURROGATE: 4-BROMOFLUOROBENZ | 97.2 | 75-125 | |
| SURROGATE: DIBROMOFLUOROMETH | 97.5 | 75-125 | |
| SURROGATE: TOLUENE-D8 (S) | 105 | 75-125 | |

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

Comments:

ARF: 83815

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 170925AM-222283
 Lab Name: APPL, Inc Contract #: *G012
 Field Sample ID: RFR-10-A2 Lab Sample ID: AZ61372 Matrix: Water
 % Solids: NA Initial Calibration ID: M170923A
 Date Received: 22-Sep-17 Date Prepared: 25-Sep-17 Date Analyzed: 25-Sep-17
 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- | 92.9 | 69-139 | |
| SURROGATE: 4-BROMOFLUOROBENZ | 114 | 75-125 | |
| SURROGATE: DIBROMOFLUOROMETH | 97.7 | 75-125 | |
| SURROGATE: TOLUENE-D8 (S) | 119 | 75-125 | |

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

Comments:

ARF: 83813

AFCEE
ORGANIC ANALYSES DATA SHEET 2
RESULTS

Analytical Method: EPA 8260B Preparatory Method: 5030B AAB #: 170925AM-222283
 Lab Name: APPL, Inc Contract #: *G012
 Field Sample ID: RFR-10-B2 Lab Sample ID: AZ61373 Matrix: Water
 % Solids: NA Initial Calibration ID: M170923A
 Date Received: 22-Sep-17 Date Prepared: 25-Sep-17 Date Analyzed: 25-Sep-17
 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- | 98.5 | 69-139 | |
| SURROGATE: 4-BROMOFLUOROBENZ | 102 | 75-125 | |
| SURROGATE: DIBROMOFLUOROMETH | 101 | 75-125 | |
| SURROGATE: TOLUENE-D8 (S) | 100 | 75-125 | |

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

Comments:

ARF: 83813

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

PCE – Tetrachloroethene