

Monitoring Plan for  
**Camp Stanley Storage Activity**

Public Water System Identification Number: 0150117

25800 Ralph Fair Rd.

Boerne, Texas 78015



**Responsible Official:**

Jason Shirley, Installation Manager  
(210) 295-7416

**Water Supply Contact:**

Felicia Kraintz, Environmental Manager  
(210) 295-7014  
Dan Rangel, Water Operator  
(210) 295-7320

**Emergency Contact:**

Security 24 hours  
(210) 295-7408

Revised: January 6, 2016

## Summary of Revisions

### **September 2015 Revisions**

- 1- Responsible Official was changed from Mr. Paul Smith (who retired) to Mr. Jason Shirley, Installation Manager.
- 2- Section 4, Lead-Copper, was changed to reflect LCR004 (TCEQ ID Number LCR1201516) deactivation and selection of LCR011 as its replacement.
- 3- Section 4, Lead-Copper, was changed to reflect LCR001 (TCEQ ID Number LCR1201519) deactivation and selection of LCR012 as its replacement.

### **January 2016 Revisions**

- 4- CS-9 was removed from the system as it has been plugged and abandoned in August/September 2015.
- 5- CS-10 gas chlorine was removed and the well was converted to Sodium Hypochlorite Disinfection System.
- 6- Water Supply Contact was changed from Mr. Gabriel Moreno-Fergusson (who transferred to another facility) to Ms. Felicia Krintz, Environmental Manager. Added Dan Rangel, Water Operator, to the front page.



## Table of Contents

Description of System .....	1
A. Raw Water Sampling.....	1
B. In-Plant Sampling .....	3
C. Entry Point Sampling.....	3
1. Disinfectant Entering the Distribution System.....	4
2. Organics, Inorganics, and Radionuclides.....	4
3. Chlorine Dioxide .....	5
4. Chlorite .....	5
5. Bromate.....	5
D. Distribution System Sampling.....	5
1. Coliform Samples .....	7
1. Disinfectant Residual-Free Chlorine.....	8
2. Disinfection Byproducts (DBPs)-TTHM and HAAS.....	9
3. Lead-Copper .....	9
4. Asbestos .....	10
5. Chlorine Dioxide .....	11
6. Chlorite.....	11
E. Lab Approval Form.....	11
Camp Stanley Water System Components .....	12
Appendix A - Laboratory Certification	
Appendix B - TCEQ Letters on Sampling Schedule	
Appendix C - Lead and Copper Sampling Requirements	

## Description of System

*Camp Stanley Storage Activity owns and operates four groundwater wells. We are a community water system that serves 130 people with 79 connections, 15 are residential connections.*

### A. Raw Water Sampling

Source	TCEQ Source ID	Sample Site	Notes
Well CS-1	G0150117A	Wellhead	
Well CS-10	G0150117C	Wellhead	
Well CS-12	G0150117H	Wellhead	
Well CS-13	G0150117I	Wellhead	Expected to be on line in 2016
CS-MW1-CC**		Wellhead	Monitoring Well
CS-MW2-CC**		Wellhead	Monitoring Well
CS-MW17-LGR**		Wellhead	Monitoring Well
CS-MW4-LGR**		Wellhead	Monitoring Well
CS-MW21-LGR**		Wellhead	Monitoring Well

**\*\* These wells are monitoring wells required to be sampled based on testing requirements under the “TCEQ Conditionally Approved for Construction” for Well CS13 Letter from TCEQ, CN600126262; RN100662840 dated October 30, 2012.**

#### *a-b. Frequency and Location*

Per agreement with the TCEQ on October 30, 2012, we are required to collect a raw water sample at well CS-13 on a monthly basis, during the first year of operation. The well has been installed, but the housing, disinfection, and distribution systems have not been constructed. Those facilities are expected to be complete in 2016. As part of the agreement, we will conduct raw water sampling from CS-13 and surrounding monitoring wells for the 12 months of operation, in accordance with Table 1. This sampling is to ensure that CS-13 will not be impacted by groundwater contamination (VOCs, metals, microbial) elsewhere on the facility.

**Table 1 - Well Monitoring Schedule (per TCEQ  
– October 30, 2012)**

<b>Timeline</b>	<b>Frequency (events/year)</b>	<b>Wells</b>	<b>Monitoring Parameters*</b>	<b>Aquifer Segment</b>
0 -12 Months	Monthly (12)	CS-13	VOCs, Metals, Microbial	Lower Glen Rose/ Cow Creek
	Monthly (12)	CS-MW17-LGR	VOCs, Metals	Lower Glen Rose
	Quarterly (4)	CS-MW4-LGR	VOCs, Metals	Lower Glen Rose
		CS-MW21-LGR	VOCs, Metals	Lower Glen Rose
		CS-MW1-CC	VOCs, Metals, Microbial	Cow Creek
		CS-MW2-CC	VOCs, Metals, Microbial	Cow Creek

We collect raw water coliform samples after any distribution system positive coliform sample per the Groundwater Rule effective December 1, 2009.

*c. Method*

Coliform samples are sent to the following lab:

San Antonio Testing Lab, Certification #TX 2742005A  
1610 S. Laredo St., San Antonio, TX 78207, (210) 229-9920

A copy of the laboratory certification is located in Appendix A.

*d. Compliance*

We are in compliance with this requirement if samples are collected from well CS-13 every month for a period of one year after the system is constructed, commissioned, and placed into service.

Other than the wells associated with the conditional approval for construction of CS-13, we are not required to collect raw water samples unless we get a distribution system coliform positive. There are sample taps on all well heads.

## **B. In-Plant Sampling**

We have no treatment other than chlorination. We use sodium hypochlorite disinfection systems.

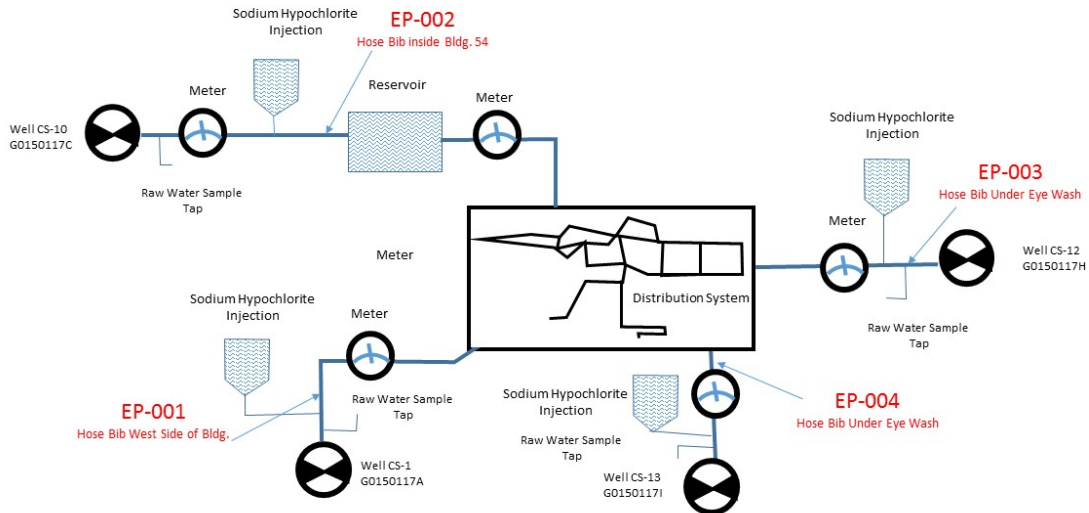
<b>Well</b>	<b>Treatment</b>	<b>Comments</b>
CS-1	Sodium hypochlorite solution	Chlorinated at the well house.
CS-10	Sodium hypochlorite solution	Chlorinated at Bldg. 54.
CS-12	Sodium hypochlorite solution	Chlorinated at the well house.
CS-13	Sodium Hypochlorite solution pending construction	Chlorinated at the well house pending construction

## **C. Entry Point Sampling**

<b>Entry Point</b>	<b>Sample Site</b>	<b>Source</b>	<b>Plant Name/Source ID</b>
EP-001	Hose bib on west side of Well CS-1, inside the fence	Well water from Lower Glen Rose Aquifer	Well CS-1 G0150117A
EP-002	Hose bib inside chlorination room (on the line feeding the eye wash on west wall)	Well water from Lower Glen Rose & Cow Creek Aquifers	Well CS-10 G0150117C
EP-003	Hose bib under eye wash, south wall of the well house	Well water from Lower Glen Rose & Cow Creek Aquifers	Well CS-12 G0150117H
EP-004 **	Hose bib under the eye wash east wall of the well house pending construction	Well water from Lower Glen Rose & Cow Creek Aquifers	Well CS-13 G0150117I

Note: \*\* - CS13 has been installed, but the housing, disinfection, and distribution systems have not been constructed. Those facilities are expected to be completed in 2016.

# Entry Points Schematic Diagram



## 1. Disinfectant Entering the Distribution System

This system uses free chlorine in the distribution system.

### *a-c. Frequency, Location, and Method*

We have analyzers inline which send data to our monitoring system. Current readings and trends are checked on weekdays by the water operators, and equipment is adjusted on site as needed. On site checks and calibrations are made on a weekly basis.

### *d. Compliance calculations*

Our system uses only groundwater and is not required to monitor the disinfectant residual at the entry points to the distribution system.

## 2. Organics, Inorganics, and Radionuclides

### *a. Frequency*

The TCEQ's sampling contractor collects these samples. Letters informing the system of changes in sampling schedule are in Appendix B.

*b. Location*

The contaminant concentrations at each entry point are measured at the applicable sampling site (see table and map above).

*c. Method*

Samples will be sent to a certified lab by the TCEQ's sampling contractor.

*d. Compliance calculations*

The system is in compliance when the concentrations of primary and secondary pollutant levels are reliably and consistently less than the regulatory maximum contaminant levels. The TCEQ will inform the system of violations. Copies of any letters informing the system are in Appendix B.

**3. Chlorine Dioxide**

Chlorine dioxide is not used in this PWS, so this requirement does not apply.

**4. Chlorite**

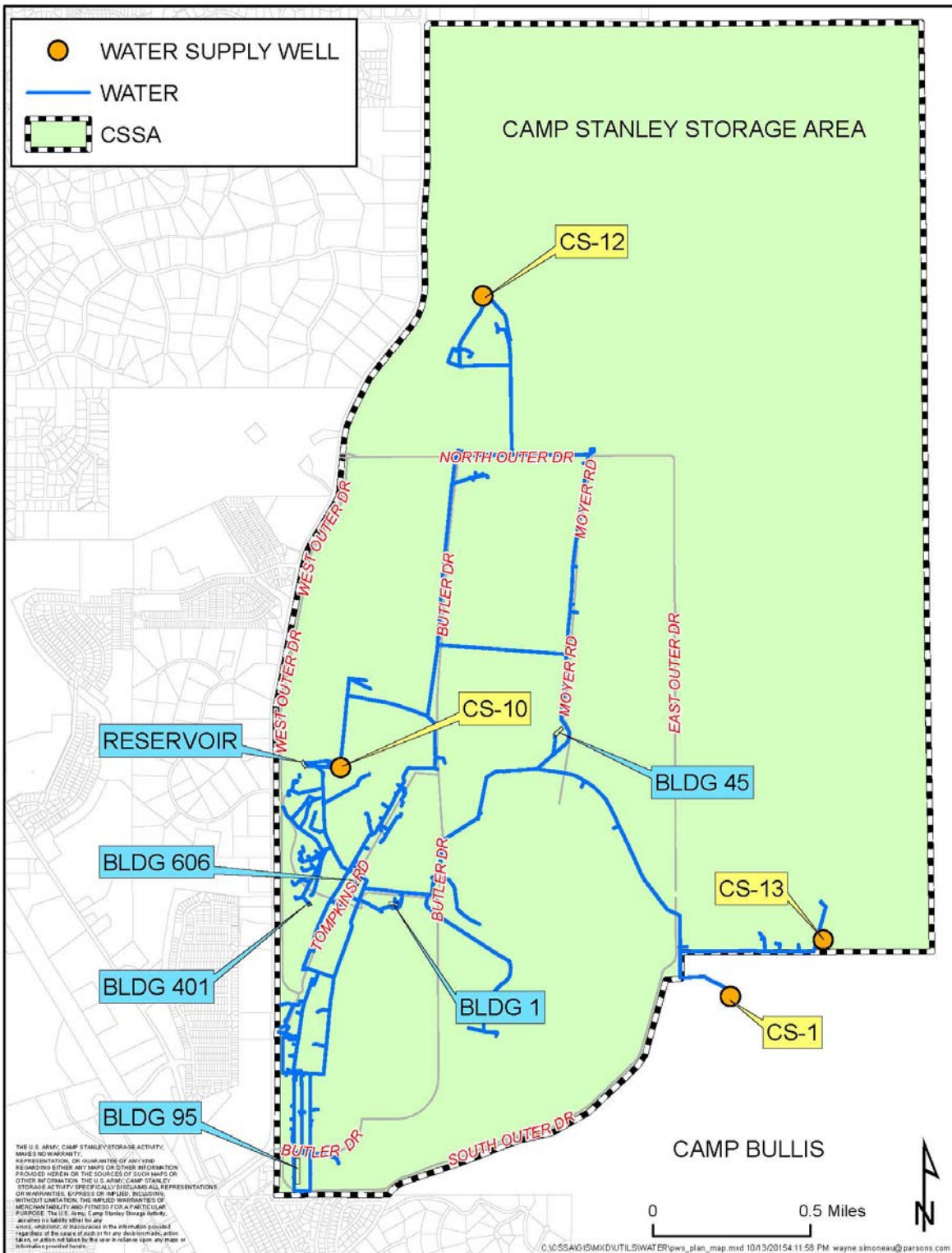
Chlorite is not used in this PWS, so this requirement does not apply.

**5. Bromate**

Ozone is not used at this PWS, so this requirement does not apply.

***D. Distribution System Sampling***

The distribution system is supplied with four wells; CS-1, CS-10, CS-12, and CS-13. Raw water from well CS-10 is chlorinated at Building 54 (EP-002) and the treated water is pumped into a 660,000 gallon below-ground storage tank (clear well). The water is gravity fed into a distribution system consisting of 79 connections. Wells CS-1, CS-12 and CS-13 are chlorinated at the well houses (EP-001, EP-003, and EP-004) and pump directly into the distribution system. All water is disinfected with free chlorine. The map below shows the wells, storage, chlorination, entry points and sampling sites of the distribution system.



# 1. Coliform Samples

## a. Frequency

One coliform sample is collected each month from one of the sample points listed below.

## b. Location

Coliform samples are rotated through the locations below.

Address	Sampling Site
Building 45 – Ammo Shipment/Receiving	Sample tap on the South-West side of the building
Building 606 - Environmental	Sample tap in the back of bay 2 of the building
Building 401 - Quarters	Sample tap on the east side of garage door
Building 1 - Headquarters	Sample tap on the Left side of the front entrance
Building 95 – Shipping and Receiving	Sample tap in the utility closet south of the break room marked “PWS SAMPLING LOCATION”

## c. Method

Coliform samples are sent to the following lab:

San Antonio Testing Lab, Certification #TX 2742005A  
1610 S. Laredo St., San Antonio, TX 78207, (210) 229-9920

A copy of the laboratory certification is located in Appendix A.

## d. Compliance calculations

The system is in compliance if:

- no repeat samples are fecal or *E. coli* positive,
- no repeat sample following a fecal or *E. coli* positive routine sample is positive for total coliform,
- no more than one of the annual routine samples are total coliform positive and none of the repeats are fecal or *E. coli* positive.

In the event of a line break and/or the water system pressure falls below 20 psi, the section of line will be isolated, chlorinated, flushed and sampled in accordance with AWWA Standard C651-05.



## 2. Disinfectant Residual-Free Chlorine

### a. Frequency

Whenever a sample is taken to determine microbial presence, the disinfectant residual must be determined in the field as the sample is taken.

The disinfectant residual is also measured once every seven days and any time there is a leak or breakage of a line in the distribution system.

### b. Location

The five coliform sampling sites listed above are also used for measuring disinfectant residual.

Address	Sampling Site
Building 45 – Ammo Shipment/Receiving	Sample tap on the South-West side of the building
Building 606 - Environmental	Sample tap in the back of bay 2 of the building
Building 401 - Quarters	Sample tap on the east side of garage door
Building 1 - Headquarters	Sample tap on the Left side of the front entrance
Building 95 – Shipping and Receiving	Sample tap in the utility closet south of the break room marked “PWS SAMPLING LOCATION”

### c. Method

Chlorine is measured using a colorimeter/DPD; Hach Pocket Colorimeter II.

### d. Compliance calculations

The system complies with the reporting requirements for disinfectant residual by keeping records of disinfectant monitoring, providing these records to the TCEQ compliance investigator upon request, and by sending in the Disinfectant Level Quarterly Operating Report (DLQOR) every quarter.

The system is in compliance with the minimum residual requirement if the free chlorine residual throughout the distribution system is always greater than 0.2 mg/L and the maximum residual disinfectant level (MRDL) for the running annual average of all samples taken in the distribution system is less than 4.0 mg/L.

### 3. Disinfection Byproducts (DBPs)-TTHM and HAAS

#### *a. Frequency*

The TCEQ's sampling contractor collects these samples. These samples are scheduled to be collected every 3 years. Letters informing the system of changes in sampling schedule are in Appendix B.

#### *b. Location*

Disinfection byproducts are sampled at the locations listed.

<b>Entry Point</b>	<b>Sampling Site</b>	<b>Location</b>
DBP2-02	AST fire hydrant	Fire hydrant south of Building 4
DBP2-01	Building 95	Break room
DBP2-03	Building 711	Break room

#### *c. Method*

Samples are taken to a certified lab by TCEQ's sampling contractor.

#### *d. Compliance calculations*

The system is in compliance if the average samples results from the year are less than the maximum contaminant level.

### 4. Lead-Copper

#### *a. Frequency*

The TCEQ will inform the system when sampling must occur. Currently 5 samples per year collected. Letters stating the system's required sampling for Lead and Copper are in Appendix C.

*b. Location*

Lead-copper samples are collected at the locations listed.

Sample Point ID	Sample Site/Location	Type of Site	Status
LCR001	Building 201 utility	Other	DEACTIVATED (Sept 18, 2014)
LCR002	Building 44 kitchen	Other	(R)egular Sample Site
LCR003	Building 606 kitchen	Other	(R)egular Sample Site
LCR004	Building 91 N	Other	DEACTIVATED
LCR005	Building 95 kitchen	Other	(R)egular Sample Site
LCR006	Building 45 Kitchen	Other	(B)ack-up Site
LCR007	Building 601 Break Area	Other	(B)ack-up Site
LCR008	Building 1 Kitchen	Other	(B)ack-up Site
LCR009	Building 92 Kitchen	Other	(B)ack-up Site
LCR010	Building 603 Kitchen	Other	(B)ack-up Site
LCR011	Building 210 Kitchen	Other	(R)egular Sample Site
LCR012	Building 73 Kitchen	Other	(R)egular Sample Site

All of our sites fall into the *other* category because all of our residences have water softeners and did not qualify; therefore, we used office and warehouse sites. All sites have been approved by TCEQ.

*c. Method*

Per TCEQ instructions, samples are mailed to a certified lab.

*d. Compliance calculations*

A system is in compliance with the lead-copper requirements if TCEQ does not inform the system that it is out of compliance.

## **5. Asbestos**

All asbestos cement piping was disconnected from the water system. One sample every 9 years will be collected.

*a. Frequency*

The TCEQ's contractor will collect samples for asbestos.

*b. Location*

Asbestos samples are collected at the locations listed below.

DS01	Distribution Sites
------	--------------------

*c. Method*

The TCEQ's contractor will send asbestos samples to a certified lab.

*d. Compliance calculations*

The system is in compliance if the maximum contaminant level of 7 million fibers (longer than 10 mm) per liter is not exceeded. The TCEQ will notify us of any violation.

**6. Chlorine Dioxide**

Chlorine dioxide is not used in this PWS, so this requirement does not apply.

**7. Chlorite**

Chlorite is not used in this PWS, so this requirement does not apply.

***E. Lab Approval Form***

Samples will be submitted with the TCEQ-approved form to the laboratory.

## Camp Stanley Water System Components

### Well CS-1

1. Well Depth: 432 ft
2. Pump Depth: 404 ft
3. Type of Pump: Submersible pump
4. Production Capacity: 73 gpm
5. Groundwater Source: Middle Trinity Aquifer (Lower Glen Rose)

### Well CS-12

1. Well Depth: 460 ft
2. Pump Depth: 449 ft
3. Type of Pump: Submersible pump
4. Production Capacity: 100 gpm
5. Groundwater Source: Middle Trinity Aquifer (Lower Glen Rose and Cow Creek)

### Well CS-10

1. Well Depth: 580 ft
2. Pump Depth: 554 ft
3. Type of Pump: Submersible pump
4. Production Capacity: 103 gpm
5. Groundwater Source: Middle Trinity Aquifer (Lower Glen Rose and Cow Creek)

### Well CS-13

1. Well Depth: 580 ft
2. Pump Depth: 546 ft
3. Type of Pump: Submersible Pump
4. Production Capacity: 110 gpm
5. Groundwater Source: Middle Trinity Aquifer (Lower Glen Rose and Cow Creek)

**APPENDIX A**  
**SAN ANTONIO LABORATORY CERTIFICATION LETTER**



## Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to



### San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current location(s) and accreditation status for particular methods and analyses ([www.tceq.texas.gov/goto/lab](http://www.tceq.texas.gov/goto/lab)). Accreditation does not imply that a product, process, system or person is approved by the Texas Commission on Environmental Quality.

**Certificate Number:** T104704360-15-11

**Effective Date:** 10/1/2015

**Expiration Date:** 9/30/2016

A handwritten signature in black ink, appearing to read "R. A. Hyle".

Executive Director Texas Commission on  
Environmental Quality



# Texas Commission on Environmental Quality

## NELAP - Recognized Laboratory Fields of Accreditation



San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Drinking Water**

**Method** CPI International Colitag™ Test

Analyte	AB	Analyte ID	Method ID
Total coliforms	TX	2500	60030004

**Method** EPA 300.0

Analyte	AB	Analyte ID	Method ID
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Sulfate	TX	2000	10053006

**Method** Idexx Laboratories SimPlate®

Analyte	AB	Analyte ID	Method ID
Heterotrophic plate count	TX	2555	60032602

**Method** SM 2510 B

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	20048004

**Method** SM 2540 C

Analyte	AB	Analyte ID	Method ID
Residue-filterable (TDS)	TX	1955	20049803

**Method** SM 9222 A, B, C

Analyte	AB	Analyte ID	Method ID
Total coliforms	TX	2500	20198009

**Method** SM 9222 D

Analyte	AB	Analyte ID	Method ID
Fecal coliforms (enumeration)	TX	2530	20037405

**Method** SM 9223

Analyte	AB	Analyte ID	Method ID
Total coliforms	TX	2500	20037609





# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Non-Potable Water**

Method	AB	Analyte ID	Method ID
<b>Method EPA 1010</b>			
Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606
<b>Method EPA 1311</b>			
Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806
<b>Method EPA 1312</b>			
Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003
<b>Method EPA 1664</b>			
Analyte	AB	Analyte ID	Method ID
n-Hexane Extractable Material (HEM) (O&G)	TX	1803	10127807
<b>Method EPA 200.7</b>			
Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10013806
Antimony	TX	1005	10013806
Arsenic	TX	1010	10013806
Barium	TX	1015	10013806
Beryllium	TX	1020	10013806
Boron	TX	1025	10013806
Cadmium	TX	1030	10013806
Calcium	TX	1035	10013806
Chromium	TX	1040	10013806
Cobalt	TX	1050	10013806
Copper	TX	1055	10013806
Iron	TX	1070	10013806
Lead	TX	1075	10013806
Magnesium	TX	1085	10013806
Manganese	TX	1090	10013806
Molybdenum	TX	1100	10013806
Nickel	TX	1105	10013806



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

Phosphorus	TX	1910	10013806
Selenium	TX	1140	10013806
Silica as SiO2	TX	1990	10013806
Silver	TX	1150	10013806
Sodium	TX	1155	10013806
Strontium	TX	1160	10013806
Thallium	TX	1165	10013806
Tin	TX	1175	10013806
Titanium	TX	1180	10013806
Vanadium	TX	1185	10013806
Zinc	TX	1190	10013806

#### Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

#### Method EPA 350.2

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10064003

#### Method EPA 360.1

Analyte	AB	Analyte ID	Method ID
Oxygen, dissolved	TX	1880	10069008

#### Method EPA 425.1

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	10080601



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

#### Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Boron	TX	1025	10155201
Phosphorus	TX	1910	10155201
Sodium	TX	1155	10155201

#### Method EPA 608

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10103603
4,4'-DDE	TX	7360	10103603
4,4'-DDT	TX	7365	10103603
Aldrin	TX	7025	10103603
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10103603
alpha-Chlordane	TX	7240	10103603
Aroclor-1016 (PCB-1016)	TX	8880	10103603
Aroclor-1221 (PCB-1221)	TX	8885	10103603
Aroclor-1232 (PCB-1232)	TX	8890	10103603
Aroclor-1242 (PCB-1242)	TX	8895	10103603
Aroclor-1248 (PCB-1248)	TX	8900	10103603
Aroclor-1254 (PCB-1254)	TX	8905	10103603
Aroclor-1260 (PCB-1260)	TX	8910	10103603
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10103603
Chlordane (tech.)	TX	7250	10103603
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10103603
Dieldrin	TX	7470	10103603
Endosulfan I	TX	7510	10103603
Endosulfan II	TX	7515	10103603
Endosulfan sulfate	TX	7520	10103603
Endrin	TX	7540	10103603
Endrin aldehyde	TX	7530	10103603
Endrin ketone	TX	7535	10103603
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10103603



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

gamma-Chlordane	TX	7245	10103603
Heptachlor	TX	7685	10103603
Heptachlor epoxide	TX	7690	10103603
Methoxychlor	TX	7810	10103603
Toxaphene (Chlorinated camphene)	TX	8250	10103603

### Method EPA 624

Analyte	AB	Analyte ID	Method ID
1,1,1-Trichloroethane	TX	5160	10107207
1,1,2,2-Tetrachloroethane	TX	5110	10107207
1,1,2-Trichloroethane	TX	5165	10107207
1,1-Dichloroethane	TX	4630	10107207
1,1-Dichloroethylene	TX	4640	10107207
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10107207
1,2-Dichlorobenzene	TX	4610	10107207
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10107207
1,2-Dichloropropane	TX	4655	10107207
1,3-Dichlorobenzene	TX	4615	10107207
1,4-Dichlorobenzene	TX	4620	10107207
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10107207
2-Chloroethyl vinyl ether	TX	4500	10107207
Acrolein (Propenal)	TX	4325	10107207
Acrylonitrile	TX	4340	10107207
Benzene	TX	4375	10107207
Bromodichloromethane	TX	4395	10107207
Bromoform	TX	4400	10107207
Carbon tetrachloride	TX	4455	10107207
Chlorobenzene	TX	4475	10107207
Chlorodibromomethane	TX	4575	10107207
Chloroethane (Ethyl chloride)	TX	4485	10107207
Chloroform	TX	4505	10107207



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

cis-1,3-Dichloropropene	TX	4680	10107207
Ethylbenzene	TX	4765	10107207
Methyl bromide (Bromomethane)	TX	4950	10107207
Methyl chloride (Chloromethane)	TX	4960	10107207
Methylene chloride (Dichloromethane)	TX	4975	10107207
Tetrachloroethylene (Perchloroethylene)	TX	5115	10107207
Toluene	TX	5140	10107207
trans-1,2-Dichloroethylene	TX	4700	10107207
trans-1,3-Dichloropropylene	TX	4685	10107207
Trichloroethene (Trichloroethylene)	TX	5170	10107207
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10107207
Vinyl chloride	TX	5235	10107207

### Method EPA 625

Analyte	AB	Analyte ID	Method ID
1,2,4,5-Tetrachlorobenzene	TX	6715	10107401
1,2,4-Trichlorobenzene	TX	5155	10107401
1,2-Dichlorobenzene	TX	4610	10107401
1,2-Diphenylhydrazine	TX	6220	10107401
1,3-Dichlorobenzene	TX	4615	10107401
1,4-Dichlorobenzene	TX	4620	10107401
2,4,6-Trichlorophenol	TX	6840	10107401
2,4-Dichlorophenol	TX	6000	10107401
2,4-Dimethylphenol	TX	6130	10107401
2,4-Dinitrophenol	TX	6175	10107401
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10107401
2-Chloronaphthalene	TX	5795	10107401
2-Chlorophenol	TX	5800	10107401
2-Methylphenol (o-Cresol)	TX	6400	10107401
2-Nitrophenol	TX	6490	10107401
4-Chloro-3-methylphenol	TX	5700	10107401



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

4-Chlorophenyl phenylether	TX	5825	10107401
4-Methylphenol (p-Cresol)	TX	6410	10107401
4-Nitrophenol	TX	6500	10107401
Acenaphthene	TX	5500	10107401
Acenaphthylene	TX	5505	10107401
Anthracene	TX	5555	10107401
Benzidine	TX	5595	10107401
Benzo(a)anthracene	TX	5575	10107401
Benzo(a)pyrene	TX	5580	10107401
Benzo(b)fluoranthene	TX	5585	10107401
Benzo(g,h,i)perylene	TX	5590	10107401
Benzo(k)fluoranthene	TX	5600	10107401
bis(2-Chloroethoxy)methane	TX	5760	10107401
bis(2-Chloroethyl) ether	TX	5765	10107401
bis(2-Chloroisopropyl) ether	TX	5780	10107401
bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP)	TX	6065	10107401
Butyl benzyl phthalate	TX	5670	10107401
Chrysene	TX	5855	10107401
Dibenz(a,h) anthracene	TX	5895	10107401
Diethyl phthalate	TX	6070	10107401
Dimethyl phthalate	TX	6135	10107401
Di-n-butyl phthalate	TX	5925	10107401
Di-n-octyl phthalate	TX	6200	10107401
Fluoranthene	TX	6265	10107401
Fluorene	TX	6270	10107401
Hexachlorobenzene	TX	6275	10107401
Hexachlorobutadiene	TX	4835	10107401
Hexachlorocyclopentadiene	TX	6285	10107401
Hexachloroethane	TX	4840	10107401
Indeno(1,2,3-cd) pyrene	TX	6315	10107401



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: *Non-Potable Water*

Isophorone	TX	6320	10107401
Naphthalene	TX	5005	10107401
Nitrobenzene	TX	5015	10107401
n-Nitrosodimethylamine	TX	6530	10107401
n-Nitrosodi-n-propylamine	TX	6545	10107401
n-Nitrosodiphenylamine	TX	6535	10107401
Pentachlorophenol	TX	6605	10107401
Phenanthrene	TX	6615	10107401
Phenol	TX	6625	10107401
Pyrene	TX	6665	10107401
Pyridine	TX	5095	10107401

### Method EPA 8081

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10178606
4,4'-DDE	TX	7360	10178606
4,4'-DDT	TX	7365	10178606
Aldrin	TX	7025	10178606
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178606
alpha-Chlordane	TX	7240	10178606
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178606
Chlordane (tech.)	TX	7250	10178606
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178606
Dieldrin	TX	7470	10178606
Endosulfan I	TX	7510	10178606
Endosulfan II	TX	7515	10178606
Endosulfan sulfate	TX	7520	10178606
Endrin	TX	7540	10178606
Endrin aldehyde	TX	7530	10178606
Endrin ketone	TX	7535	10178606
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178606



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

gamma-Chlordane	TX	7245	10178606
Heptachlor	TX	7685	10178606
Heptachlor epoxide	TX	7690	10178606
Methoxychlor	TX	7810	10178606
Toxaphene (Chlorinated camphene)	TX	8250	10178606
<b>Method EPA 8082</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007
Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007
PCBs (total)	TX	8870	10179007
<b>Method EPA 8260</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
1,1,1,2-Tetrachloroethane	TX	5105	10184404
1,1,1-Trichloroethane	TX	5160	10184404
1,1,2,2-Tetrachloroethane	TX	5110	10184404
1,1,2-Trichloroethane	TX	5165	10184404
1,1-Dichloroethane	TX	4630	10184404
1,1-Dichloroethylene	TX	4640	10184404
1,1-Dichloropropene	TX	4670	10184404
1,2,3-Trichlorobenzene	TX	5150	10184404
1,2,3-Trichloropropane	TX	5180	10184404
1,2,4-Trichlorobenzene	TX	5155	10184404
1,2,4-Trimethylbenzene	TX	5210	10184404
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184404
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184404
1,2-Dichlorobenzene	TX	4610	10184404





# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Non-Potable Water**

1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184404
1,2-Dichloropropane	TX	4655	10184404
1,3,5-Trimethylbenzene	TX	5215	10184404
1,3-Dichlorobenzene	TX	4615	10184404
1,3-Dichloropropane	TX	4660	10184404
1,4-Dichlorobenzene	TX	4620	10184404
2,2-Dichloropropane	TX	4665	10184404
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184404
2-Chloroethyl vinyl ether	TX	4500	10184404
2-Chlorotoluene	TX	4535	10184404
2-Hexanone (MBK)	TX	4860	10184404
4-Chlorotoluene	TX	4540	10184404
4-Isopropyltoluene (p-Cymene)	TX	4915	10184404
4-Methyl-2-pentanone (MIBK)	TX	4995	10184404
Acetone (2-Propanone)	TX	4315	10184404
Acetonitrile	TX	4320	10184404
Acrolein (Propenal)	TX	4325	10184404
Acrylonitrile	TX	4340	10184404
Allyl chloride (3-Chloropropene)	TX	4355	10184404
Benzene	TX	4375	10184404
Bromobenzene	TX	4385	10184404
Bromochloromethane	TX	4390	10184404
Bromodichloromethane	TX	4395	10184404
Bromoform	TX	4400	10184404
Carbon disulfide	TX	4450	10184404
Carbon tetrachloride	TX	4455	10184404
Chlorobenzene	TX	4475	10184404
Chlorodibromomethane	TX	4575	10184404
Chloroethane (Ethyl chloride)	TX	4485	10184404
Chloroform	TX	4505	10184404



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: *Non-Potable Water*

cis-1,2-Dichloroethylene	TX	4645	10184404
cis-1,3-Dichloropropene	TX	4680	10184404
cis-1,4-Dichloro-2-butene	TX	4600	10184404
Dibromomethane (Methylene bromide)	TX	4595	10184404
Dichlorodifluoromethane (Freon-12)	TX	4625	10184404
Ethyl methacrylate	TX	4810	10184404
Ethylbenzene	TX	4765	10184404
Hexachlorobutadiene	TX	4835	10184404
Iodomethane (Methyl iodide)	TX	4870	10184404
Isopropylbenzene (Cumene)	TX	4900	10184404
m+p-xylene	TX	5240	10184404
Methacrylonitrile	TX	4925	10184404
Methyl bromide (Bromomethane)	TX	4950	10184404
Methyl chloride (Chloromethane)	TX	4960	10184404
Methyl methacrylate	TX	4990	10184404
Methyl tert-butyl ether (MTBE)	TX	5000	10184404
Methylene chloride (Dichloromethane)	TX	4975	10184404
Naphthalene	TX	5005	10184404
n-Butylbenzene	TX	4435	10184404
n-Propylbenzene	TX	5090	10184404
o-Xylene	TX	5250	10184404
sec-Butylbenzene	TX	4440	10184404
Styrene	TX	5100	10184404
tert-Butylbenzene	TX	4445	10184404
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184404
Toluene	TX	5140	10184404
trans-1,2-Dichloroethylene	TX	4700	10184404
trans-1,3-Dichloropropylene	TX	4685	10184404
trans-1,4-Dichloro-2-butene	TX	4605	10184404
Trichloroethene (Trichloroethylene)	TX	5170	10184404



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184404
Vinyl acetate	TX	5225	10184404
Vinyl chloride	TX	5235	10184404
Xylene (total)	TX	5260	10184404

### Method EPA 8270

Analyte	AB	Analyte ID	Method ID
1,2,4-Trichlorobenzene	TX	5155	10185203
1,2-Dichlorobenzene	TX	4610	10185203
1,3-Dichlorobenzene	TX	4615	10185203
1,4-Dichlorobenzene	TX	4620	10185203
2,4,5-Trichlorophenol	TX	6835	10185203
2,4,6-Trichlorophenol	TX	6840	10185203
2,4-Dichlorophenol	TX	6000	10185203
2,4-Dimethylphenol	TX	6130	10185203
2,4-Dinitrophenol	TX	6175	10185203
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185203
2-Chloronaphthalene	TX	5795	10185203
2-Chlorophenol	TX	5800	10185203
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185203
2-Methylnaphthalene	TX	6385	10185203
2-Methylphenol (o-Cresol)	TX	6400	10185203
2-Nitroaniline	TX	6460	10185203
2-Nitrophenol	TX	6490	10185203
3-Methylphenol (m-Cresol)	TX	6405	10185203
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185203
4-Chloro-3-methylphenol	TX	5700	10185203
4-Chloroaniline	TX	5745	10185203
4-Chlorophenyl phenylether	TX	5825	10185203
4-Methylphenol (p-Cresol)	TX	6410	10185203
4-Nitroaniline	TX	6470	10185203



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Non-Potable Water**

4-Nitrophenol	TX	6500	10185203
Acenaphthene	TX	5500	10185203
Acenaphthylene	TX	5505	10185203
Anthracene	TX	5555	10185203
Benzo(a)anthracene	TX	5575	10185203
Benzo(a)pyrene	TX	5580	10185203
Benzo(b)fluoranthene	TX	5585	10185203
Benzo(g,h,i)perylene	TX	5590	10185203
Benzo(k)fluoranthene	TX	5600	10185203
bis(2-Chloroethoxy)methane	TX	5760	10185203
bis(2-Chloroethyl) ether	TX	5765	10185203
bis(2-Chloroisopropyl) ether	TX	5780	10185203
bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP)	TX	6065	10185203
Butyl benzyl phthalate	TX	5670	10185203
Chrysene	TX	5855	10185203
Dibenz(a,h) anthracene	TX	5895	10185203
Dibenzofuran	TX	5905	10185203
Diethyl phthalate	TX	6070	10185203
Dimethyl phthalate	TX	6135	10185203
Di-n-butyl phthalate	TX	5925	10185203
Di-n-octyl phthalate	TX	6200	10185203
Fluoranthene	TX	6265	10185203
Fluorene	TX	6270	10185203
Hexachlorobenzene	TX	6275	10185203
Hexachlorobutadiene	TX	4835	10185203
Hexachlorocyclopentadiene	TX	6285	10185203
Hexachloroethane	TX	4840	10185203
Indeno(1,2,3-cd) pyrene	TX	6315	10185203
Isophorone	TX	6320	10185203
Naphthalene	TX	5005	10185203



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Non-Potable Water

Nitrobenzene	TX	5015	10185203
n-Nitrosodi-n-propylamine	TX	6545	10185203
n-Nitrosodiphenylamine	TX	6535	10185203
Pentachlorophenol	TX	6605	10185203
Phenanthrene	TX	6615	10185203
Phenol	TX	6625	10185203
Pyrene	TX	6665	10185203
Pyridine	TX	5095	10185203
<b>Method HACH 8000</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Chemical oxygen demand (COD)	TX	1565	60003001
<b>Method SM 2320 B</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Alkalinity as CaCO <sub>3</sub>	TX	1505	20045005
<b>Method SM 2510 B</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Conductivity	TX	1610	20048004
<b>Method SM 2540 C</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Residue-filterable (TDS)	TX	1955	20049803
<b>Method SM 2540 D</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Residue-nonfilterable (TSS)	TX	1960	20004802
<b>Method SM 4500-Cl<sup>-</sup> G</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Total residual chlorine	TX	1940	20020604
<b>Method SM 4500-Cl<sup>-</sup> B</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Chloride	TX	1575	20083801
<b>Method SM 4500-CN<sup>-</sup> C</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>



# Texas Commission on Environmental Quality

## NELAP - Recognized Laboratory Fields of Accreditation



San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Non-Potable Water**

Total cyanide	TX	1645	20020808
<b>Method SM 4500-CN<sup>-</sup> E</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Total Cyanide	TX	1635	20021209
<b>Method SM 4500-CN<sup>-</sup> G</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Amenable cyanide	TX	1510	20021607
<b>Method SM 4500-H+ B</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
pH	TX	1900	20104603
<b>Method SM 4500-NH3 B</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Ammonia as N	TX	1515	20022804
<b>Method SM 4500-NH3 C</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Ammonia as N	TX	1515	20023603
<b>Method SM 5210 B</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Biochemical oxygen demand (BOD)	TX	1530	20027401
Carbonaceous BOD, CBOD	TX	1555	20027401
<b>Method SM 5540 C</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Surfactants - MBAS	TX	2025	20144405
<b>Method TCEQ 1005</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208
<b>Method USGS I-1230-85</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Chromium (VI)	TX	1045	40002208



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Solid & Chemical Materials**

Method	Analyte	AB	Analyte ID	Method ID
Method EPA 1010	Ignitability	TX	1780	10116606
Method EPA 1311	TCLP	TX	849	10118806
Method EPA 1312	SPLP	TX	850	10119003
Method EPA 300.0	Bromide	TX	1540	10053006
	Chloride	TX	1575	10053006
	Fluoride	TX	1730	10053006
	Nitrate as N	TX	1810	10053006
	Nitrite as N	TX	1840	10053006
	Orthophosphate as P	TX	1870	10053006
	Sulfate	TX	2000	10053006
Method EPA 350.1	Ammonia as N	TX	1515	10063408
Method EPA 6010	Aluminum	TX	1000	10155201
	Antimony	TX	1005	10155201
	Arsenic	TX	1010	10155201
	Barium	TX	1015	10155201
	Beryllium	TX	1020	10155201
	Boron	TX	1025	10155201
	Cadmium	TX	1030	10155201
	Calcium	TX	1035	10155201



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Solid & Chemical Materials**

Chromium	TX	1040	10155201
Cobalt	TX	1050	10155201
Copper	TX	1055	10155201
Iron	TX	1070	10155201
Lead	TX	1075	10155201
Magnesium	TX	1085	10155201
Manganese	TX	1090	10155201
Molybdenum	TX	1100	10155201
Nickel	TX	1105	10155201
Phosphorus	TX	1910	10155201
Potassium	TX	1125	10155201
Selenium	TX	1140	10155201
Silica as SiO <sub>2</sub>	TX	1990	10155201
Silver	TX	1150	10155201
Strontium	TX	1160	10155201
Thallium	TX	1165	10155201
Tin	TX	1175	10155201
Titanium	TX	1180	10155201
Vanadium	TX	1185	10155201
Zinc	TX	1190	10155201

**Method EPA 7471**

Analyte	AB	Analyte ID	Method ID
Mercury	TX	1095	10166004

**Method EPA 8081**

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10178402
4,4'-DDE	TX	7360	10178402
4,4'-DDT	TX	7365	10178402
Aldrin	TX	7025	10178402
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178402
alpha-Chlordane	TX	7240	10178402





# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
Expiration Date: 9/30/2016  
Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Solid & Chemical Materials

beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178402
Chlordane (tech.)	TX	7250	10178402
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178402
Dieldrin	TX	7470	10178402
Endosulfan I	TX	7510	10178402
Endosulfan II	TX	7515	10178402
Endosulfan sulfate	TX	7520	10178402
Endrin	TX	7540	10178402
Endrin aldehyde	TX	7530	10178402
Endrin ketone	TX	7535	10178402
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178402
gamma-Chlordane	TX	7245	10178402
Heptachlor	TX	7685	10178402
Heptachlor epoxide	TX	7690	10178402
Methoxychlor	TX	7810	10178402
Toxaphene (Chlorinated camphene)	TX	8250	10178402

### Method EPA 8082

Analyte	AB	Analyte ID	Method ID
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007
Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007
PCBs (total)	TX	8870	10179007

### Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184404
1,1,1-Trichloroethane	TX	5160	10184404
1,1,2,2-Tetrachloroethane	TX	5110	10184404



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Solid & Chemical Materials

1,1,2-Trichloroethane	TX	5165	10184404
1,1-Dichloroethane	TX	4630	10184404
1,1-Dichloroethylene	TX	4640	10184404
1,1-Dichloropropene	TX	4670	10184404
1,2,3-Trichlorobenzene	TX	5150	10184404
1,2,3-Trichloropropane	TX	5180	10184404
1,2,4-Trichlorobenzene	TX	5155	10184404
1,2,4-Trimethylbenzene	TX	5210	10184404
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184404
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184404
1,2-Dichlorobenzene	TX	4610	10184404
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184404
1,2-Dichloropropane	TX	4655	10184404
1,3,5-Trimethylbenzene	TX	5215	10184404
1,3-Dichlorobenzene	TX	4615	10184404
1,3-Dichloropropane	TX	4660	10184404
1,4-Dichlorobenzene	TX	4620	10184404
2,2-Dichloropropane	TX	4665	10184404
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184404
2-Chloroethyl vinyl ether	TX	4500	10184404
2-Chlorotoluene	TX	4535	10184404
2-Hexanone (MBK)	TX	4860	10184404
4-Chlorotoluene	TX	4540	10184404
4-Isopropyltoluene (p-Cymene)	TX	4915	10184404
4-Methyl-2-pentanone (MIBK)	TX	4995	10184404
Acetone (2-Propanone)	TX	4315	10184404
Acetonitrile	TX	4320	10184404
Acrolein (Propenal)	TX	4325	10184404
Acrylonitrile	TX	4340	10184404
Allyl chloride (3-Chloropropene)	TX	4355	10184404



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC

1610 South Laredo Street  
San Antonio, TX 78207-7029

Certificate: T104704360-15-11

Expiration Date: 9/30/2016

Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Solid & Chemical Materials

Benzene	TX	4375	10184404
Bromobenzene	TX	4385	10184404
Bromochloromethane	TX	4390	10184404
Bromodichloromethane	TX	4395	10184404
Bromoform	TX	4400	10184404
Carbon disulfide	TX	4450	10184404
Carbon tetrachloride	TX	4455	10184404
Chlorobenzene	TX	4475	10184404
Chlorodibromomethane	TX	4575	10184404
Chloroethane (Ethyl chloride)	TX	4485	10184404
Chloroform	TX	4505	10184404
cis-1,2-Dichloroethylene	TX	4645	10184404
cis-1,3-Dichloropropene	TX	4680	10184404
cis-1,4-Dichloro-2-butene	TX	4600	10184404
Dibromomethane (Methylene bromide)	TX	4595	10184404
Dichlorodifluoromethane (Freon-12)	TX	4625	10184404
Ethyl methacrylate	TX	4810	10184404
Ethylbenzene	TX	4765	10184404
Hexachlorobutadiene	TX	4835	10184404
Iodomethane (Methyl iodide)	TX	4870	10184404
Isopropylbenzene (Cumene)	TX	4900	10184404
m+p-xylene	TX	5240	10184404
Methacrylonitrile	TX	4925	10184404
Methyl bromide (Bromomethane)	TX	4950	10184404
Methyl chloride (Chloromethane)	TX	4960	10184404
Methyl methacrylate	TX	4990	10184404
Methyl tert-butyl ether (MTBE)	TX	5000	10184404
Methylene chloride (Dichloromethane)	TX	4975	10184404
Naphthalene	TX	5005	10184404
n-Butylbenzene	TX	4435	10184404



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Solid & Chemical Materials

n-Propylbenzene	TX	5090	10184404
o-Xylene	TX	5250	10184404
sec-Butylbenzene	TX	4440	10184404
Styrene	TX	5100	10184404
tert-Butylbenzene	TX	4445	10184404
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184404
Toluene	TX	5140	10184404
trans-1,2-Dichloroethylene	TX	4700	10184404
trans-1,3-Dichloropropylene	TX	4685	10184404
trans-1,4-Dichloro-2-butene	TX	4605	10184404
Trichloroethene (Trichloroethylene)	TX	5170	10184404
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184404
Vinyl acetate	TX	5225	10184404
Vinyl chloride	TX	5235	10184404
Xylene (total)	TX	5260	10184404

### Method EPA 8270

Analyte	AB	Analyte ID	Method ID
1,2,4-Trichlorobenzene	TX	5155	10185203
1,2-Dichlorobenzene	TX	4610	10185203
1,3-Dichlorobenzene	TX	4615	10185203
1,4-Dichlorobenzene	TX	4620	10185203
2,4,5-Trichlorophenol	TX	6835	10185203
2,4,6-Trichlorophenol	TX	6840	10185203
2,4-Dichlorophenol	TX	6000	10185203
2,4-Dimethylphenol	TX	6130	10185203
2,4-Dinitrophenol	TX	6175	10185203
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185203
2-Chloronaphthalene	TX	5795	10185203
2-Chlorophenol	TX	5800	10185203
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185203



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

### Matrix: Solid & Chemical Materials

2-Methylnaphthalene	TX	6385	10185203
2-Methylphenol (o-Cresol)	TX	6400	10185203
2-Nitroaniline	TX	6460	10185203
2-Nitrophenol	TX	6490	10185203
3-Methylphenol (m-Cresol)	TX	6405	10185203
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185203
4-Chloro-3-methylphenol	TX	5700	10185203
4-Chloroaniline	TX	5745	10185203
4-Chlorophenyl phenylether	TX	5825	10185203
4-Methylphenol (p-Cresol)	TX	6410	10185203
4-Nitroaniline	TX	6470	10185203
4-Nitrophenol	TX	6500	10185203
Acenaphthene	TX	5500	10185203
Acenaphthylene	TX	5505	10185203
Anthracene	TX	5555	10185203
Benzo(a)anthracene	TX	5575	10185203
Benzo(a)pyrene	TX	5580	10185203
Benzo(b)fluoranthene	TX	5585	10185203
Benzo(g,h,i)perylene	TX	5590	10185203
Benzo(k)fluoranthene	TX	5600	10185203
bis(2-Chloroethoxy)methane	TX	5760	10185203
bis(2-Chloroethyl) ether	TX	5765	10185203
bis(2-Chloroisopropyl) ether	TX	5780	10185203
bis(2-Ethylhexyl) phthalate (Di(2-Ethylhexyl) phthalate, DEHP)	TX	6065	10185203
Butyl benzyl phthalate	TX	5670	10185203
Chrysene	TX	5855	10185203
Dibenz(a,h) anthracene	TX	5895	10185203
Dibenzofuran	TX	5905	10185203
Diethyl phthalate	TX	6070	10185203
Dimethyl phthalate	TX	6135	10185203



# Texas Commission on Environmental Quality



## NELAP - Recognized Laboratory Fields of Accreditation

San Antonio Testing Laboratory, LLC  
 1610 South Laredo Street  
 San Antonio, TX 78207-7029

Certificate: T104704360-15-11  
 Expiration Date: 9/30/2016  
 Issue Date: 10/1/2015

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

**Matrix: Solid & Chemical Materials**

Di-n-butyl phthalate	TX	5925	10185203
Di-n-octyl phthalate	TX	6200	10185203
Fluoranthene	TX	6265	10185203
Fluorene	TX	6270	10185203
Hexachlorobenzene	TX	6275	10185203
Hexachlorobutadiene	TX	4835	10185203
Hexachlorocyclopentadiene	TX	6285	10185203
Hexachloroethane	TX	4840	10185203
Indeno(1,2,3-cd) pyrene	TX	6315	10185203
Isophorone	TX	6320	10185203
Naphthalene	TX	5005	10185203
Nitrobenzene	TX	5015	10185203
n-Nitrosodi-n-propylamine	TX	6545	10185203
n-Nitrosodiphenylamine	TX	6535	10185203
Pentachlorophenol	TX	6605	10185203
Phenanthrene	TX	6615	10185203
Phenol	TX	6625	10185203
Pyrene	TX	6665	10185203
Pyridine	TX	5095	10185203
<b>Method EPA 9045</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Corrosivity	TX	1615	10197805
pH	TX	1900	10197805
<b>Method EPA 9095</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Paint Filter Liquids Test	TX	10312	10204009
<b>Method TCEQ 1005</b>			
<b>Analyte</b>	<b>AB</b>	<b>Analyte ID</b>	<b>Method ID</b>
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

**APPENDIX B**  
**LETTERS FROM THE TCEQ ON SAMPLING SCHEDULES**



<a href="#">Texas Commission on Environmental Quality</a>	<a href="#">Office of Permitting and Registration</a>	<a href="#">Public Drinking Water Section</a>
<a href="#">County Map of TX</a>	<a href="#">Water System Search</a>	<a href="#">Office of Compliance and Enforcement</a>

<a href="#">Water System Detail</a>			
<a href="#">Water System Facilities</a> <a href="#">Source Water Assessment Results</a>	<a href="#">Violations Enforcement Actions</a>	<a href="#">TCR Sample Results</a>	<a href="#">TTHM HAA5 Summaries</a>
<a href="#">Sample Points</a>	<a href="#">Assistance Actions</a>	<a href="#">Recent Positive TCR Results</a>	<a href="#">PBCU Summaries</a>
<a href="#">Sample Schedules / FANLs / Plans</a>	<a href="#">Compliance Schedules</a>	<a href="#">Other Chemical Results</a>	<a href="#">Chlorine Summaries</a>
<a href="#">Site Visits</a> <a href="#">Milestones</a>	<a href="#">TOC/Alkalinity Results</a>	<a href="#">Chemical Results: Sort by: Name Code</a>	<a href="#">Turbidity Summaries</a>
<a href="#">Operators</a> <a href="#">All POC</a>	<a href="#">LRAA (TTHM/HAA5)</a>	<a href="#">Recent Non-TCR Sample Results</a>	<a href="#">TCR Sample Summaries</a>
<a href="#">Glossary</a>			

<a href="#">Water System Detail Information</a>			
Water System No.:	TX0150117	Federal Type:	C
Water System Name:	CAMP STANLEY STORAGE ACTIVITY	Federal Source:	GW
Principal County Served:	BEXAR	System Status:	A
Principal City Served:		Activity Date:	01-01-1913

[Return to Simple Sample Schedules / FANLs / Plans](#)

<a href="#">Routine TCR Sample Schedules</a>		
Begin/End Date	Seasonal Period	Requirements
01-01-1991 - Continuous	1/1 - 12/31	1 RT/MN

RP TCR Schedules From



To



<a href="#">Repeat TCR Sample Schedules</a>			
Begin Date	End Date	Requirements	Original Sample ID/Date

<a href="#">Group Non-TCR Sample Schedules</a>							
Facility	Begin End Date	Seas.	Init. MP Begin Dt	Req's	Analyte Group		
					Analyte	Samples	Schedule Satisfied



<a href="#">DS01</a>	10-01-2013 Continuous	5/1 9/30	01-01-2014	1 RT/3Y	<p><a href="#">DBP2</a> - DBP PHASE 2 Current Monitoring Period: 01-01-2014 to 12-31-2016</p> <table border="1"> <tr> <td>2456-TOTAL HALOACETIC ACIDS (HAA5)</td> <td>0</td> <td>No</td> </tr> <tr> <td>2950-TTHM</td> <td>0</td> <td>No</td> </tr> </table>	2456-TOTAL HALOACETIC ACIDS (HAA5)	0	No	2950-TTHM	0	No																																				
2456-TOTAL HALOACETIC ACIDS (HAA5)	0	No																																													
2950-TTHM	0	No																																													
<a href="#">DS01</a>	01-01-2016 Continuous	6/1 9/30	01-01-2016	5 RT/YR	<p><a href="#">PBCU</a> - LEAD AND COPPER RULE Current Monitoring Period:</p>																																										
<a href="#">DS01</a>	07-01-2015 Continuous		07-01-2015	2 RT/6M	<p><a href="#">WQPI</a> - WQP - INITIAL Current Monitoring Period: 07-01-2015 to 12-31-2015</p> <table border="1"> <tr> <td>1927-ALKALINITY, TOTAL</td> <td>0</td> <td>No</td> </tr> </table>	1927-ALKALINITY, TOTAL	0	No																																							
1927-ALKALINITY, TOTAL	0	No																																													
<a href="#">EP001</a>	01-01-2011 Continuous		01-01-2011	1 RT/3Y	<p><a href="#">504</a> - EDB/DBCP Current Monitoring Period: 01-01-2014 to 12-31-2016</p> <table border="1"> <tr> <td>2931-1,2-DIBROMO-3-CHLOROPROPANE</td> <td>0</td> <td>No</td> </tr> <tr> <td>2946-ETHYLENE DIBROMIDE</td> <td>0</td> <td>No</td> </tr> </table>	2931-1,2-DIBROMO-3-CHLOROPROPANE	0	No	2946-ETHYLENE DIBROMIDE	0	No																																				
2931-1,2-DIBROMO-3-CHLOROPROPANE	0	No																																													
2946-ETHYLENE DIBROMIDE	0	No																																													
<a href="#">EP001</a>	01-01-2011 Continuous		01-01-2011	1 RT/3Y	<p><a href="#">515</a> - SOC METHOD 515.4 Current Monitoring Period: 01-01-2014 to 12-31-2016</p> <table border="1"> <tr> <td>2110-2,4,5-TP</td> <td>0</td> <td>No</td> </tr> <tr> <td>2105-2,4-D</td> <td>0</td> <td>No</td> </tr> <tr> <td>2031-DALAPON</td> <td>0</td> <td>No</td> </tr> <tr> <td>2041-DINOSEB</td> <td>0</td> <td>No</td> </tr> <tr> <td>2040-PICLORAM</td> <td>0</td> <td>No</td> </tr> </table>	2110-2,4,5-TP	0	No	2105-2,4-D	0	No	2031-DALAPON	0	No	2041-DINOSEB	0	No	2040-PICLORAM	0	No																											
2110-2,4,5-TP	0	No																																													
2105-2,4-D	0	No																																													
2031-DALAPON	0	No																																													
2041-DINOSEB	0	No																																													
2040-PICLORAM	0	No																																													
<a href="#">EP001</a>	01-01-2011 Continuous		01-01-2011	1 RT/3Y	<p><a href="#">531</a> - SOC METHOD 531.1 Current Monitoring Period: 01-01-2014 to 12-31-2016</p> <table border="1"> <tr> <td>2047-ALDICARB</td> <td>0</td> <td>No</td> </tr> <tr> <td>2044-ALDICARB SULFONE</td> <td>0</td> <td>No</td> </tr> <tr> <td>2043-ALDICARB SULFOXIDE</td> <td>0</td> <td>No</td> </tr> <tr> <td>2046-CARBOFURAN</td> <td>0</td> <td>No</td> </tr> <tr> <td>2036-OXAMYL</td> <td>0</td> <td>No</td> </tr> </table>	2047-ALDICARB	0	No	2044-ALDICARB SULFONE	0	No	2043-ALDICARB SULFOXIDE	0	No	2046-CARBOFURAN	0	No	2036-OXAMYL	0	No																											
2047-ALDICARB	0	No																																													
2044-ALDICARB SULFONE	0	No																																													
2043-ALDICARB SULFOXIDE	0	No																																													
2046-CARBOFURAN	0	No																																													
2036-OXAMYL	0	No																																													
<a href="#">EP001</a>	01-01-2009 Continuous		01-01-2009	1 RT/3Y	<p><a href="#">MIN</a> - MINERALS Current Monitoring Period: 01-01-2015 to 12-31-2017</p> <table border="1"> <tr> <td>1017-CHLORIDE</td> <td>0</td> <td>No</td> </tr> <tr> <td>1025-FLUORIDE</td> <td>0</td> <td>No</td> </tr> <tr> <td>1055-SULFATE</td> <td>0</td> <td>No</td> </tr> <tr> <td>1930-TDS</td> <td>0</td> <td>No</td> </tr> </table>	1017-CHLORIDE	0	No	1025-FLUORIDE	0	No	1055-SULFATE	0	No	1930-TDS	0	No																														
1017-CHLORIDE	0	No																																													
1025-FLUORIDE	0	No																																													
1055-SULFATE	0	No																																													
1930-TDS	0	No																																													
<a href="#">EP001</a>	01-01-2010 Continuous		01-01-2010	1 RT/6Y	<p><a href="#">MTL</a> - METALS Current Monitoring Period: 01-01-2010 to 12-31-2015</p> <table border="1"> <tr> <td>1002-ALUMINUM</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1074-ANTIMONY, TOTAL</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1005-ARSENIC</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1010-BARIUM</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1075-BERYLLIUM, TOTAL</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1015-CADMIUM</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1020-CHROMIUM</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1028-IRON</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1032-MANGANESE</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1035-MERCURY</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1045-SELENIUM</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1050-SILVER</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1085-THALLIUM, TOTAL</td> <td>1</td> <td>Yes</td> </tr> <tr> <td>1095-ZINC</td> <td>1</td> <td>Yes</td> </tr> </table>	1002-ALUMINUM	1	Yes	1074-ANTIMONY, TOTAL	1	Yes	1005-ARSENIC	1	Yes	1010-BARIUM	1	Yes	1075-BERYLLIUM, TOTAL	1	Yes	1015-CADMIUM	1	Yes	1020-CHROMIUM	1	Yes	1028-IRON	1	Yes	1032-MANGANESE	1	Yes	1035-MERCURY	1	Yes	1045-SELENIUM	1	Yes	1050-SILVER	1	Yes	1085-THALLIUM, TOTAL	1	Yes	1095-ZINC	1	Yes
1002-ALUMINUM	1	Yes																																													
1074-ANTIMONY, TOTAL	1	Yes																																													
1005-ARSENIC	1	Yes																																													
1010-BARIUM	1	Yes																																													
1075-BERYLLIUM, TOTAL	1	Yes																																													
1015-CADMIUM	1	Yes																																													
1020-CHROMIUM	1	Yes																																													
1028-IRON	1	Yes																																													
1032-MANGANESE	1	Yes																																													
1035-MERCURY	1	Yes																																													
1045-SELENIUM	1	Yes																																													
1050-SILVER	1	Yes																																													
1085-THALLIUM, TOTAL	1	Yes																																													
1095-ZINC	1	Yes																																													
<a href="#">EP001</a>																																															

	01-01-2011 Continuous		01-01-2011	1 RT/YR	<b>NO32 - NITRATE/NITRITE</b> Current Monitoring Period: 01-01-2015 to 12-31-2015 1040-NITRATE 1 Yes 1041-NITRITE 1 Yes
<a href="#">EP001</a>	01-01-2010 Continuous		01-01-2010	1 RT/6Y	<b>RAD - RADIONUCLIDES</b> Current Monitoring Period: 01-01-2010 to 12-31-2015 4010-COMBINED RADIUM (-226 & -228) 0 No 4006-COMBINED URANIUM 0 No 4000-GROSS ALPHA, EXCL. RADON & U 1 Yes
<a href="#">EP001</a>	01-01-2009 Continuous		01-01-2009	1 RT/3Y	<b>SOC5 - SYNTHETIC ORGANICS</b> Current Monitoring Period: 01-01-2015 to 12-31-2017 2051-ALACHLOR 0 No 2050-ATRAZINE 0 No 2306-BENZO(A)PYRENE 0 No 2010-BHC-GAMMA 0 No 2959-CHLORDANE 0 No 2035-DI(2-ETHYLHEXYL) ADIPATE 0 No 2039-DI(2-ETHYLHEXYL) PHTHALATE 0 No 2005-ENDRIN 0 No 2065-HEPTACHLOR 0 No 2067-HEPTACHLOR EPOXIDE 0 No 2274-HEXACHLOROBENZENE 0 No 2042-HEXACHLOROCYCLOPENTADIENE 0 No 2015-METHOXYCHLOR 0 No 2326-PENTACHLOROPHENOL 0 No 2037-SIMAZINE 0 No 2020-TOXAPHENE 0 No
<a href="#">EP001</a>	01-01-2011 Continuous		01-01-2011	1 RT/YR	<b>VOC - VOLATILE ORGANICS</b> Current Monitoring Period: 01-01-2015 to 12-31-2015 2981-1,1,1-TRICHLOROETHANE 1 Yes 2985-1,1,2-TRICHLOROETHANE 1 Yes 2977-1,1-DICHLOROETHYLENE 1 Yes 2378-1,2,4-TRICHLOROBENZENE 1 Yes 2980-1,2-DICHLOROETHANE 1 Yes 2983-1,2-DICHLOROPROPANE 1 Yes 2990-BENZENE 1 Yes 2982-CARBON TETRACHLORIDE 1 Yes 2989-CHLOROBENZENE 1 Yes 2380-CIS-1,2-DICHLOROETHYLENE 1 Yes 2964-DICHLOROMETHANE 1 Yes 2992-ETHYLBENZENE 1 Yes 2968-O-DICHLOROBENZENE 1 Yes 2969-P-DICHLOROBENZENE 1 Yes 2996-STYRENE 1 Yes 2987-TETRACHLOROETHYLENE 1 Yes 2991-TOLUENE 1 Yes 2979-TRANS-1,2-DICHLOROETHYLENE 1 Yes 2984-TRICHLOROETHYLENE 1 Yes 2976-VINYL CHLORIDE 1 Yes



					2955-XYLENES, TOTAL	1	Yes
<a href="#">EP001</a>	07-01-2015 Continuous	07-01-2015	2 RT/6M	<a href="#">WQPI</a> - WQP - INITIAL Current Monitoring Period: 07-01-2015 to 12-31-2015			
					1927-ALKALINITY, TOTAL	0	No
<a href="#">EP002</a>	01-01-2011 Continuous	01-01-2011	1 RT/3Y	<a href="#">504</a> - EDB/DBCP Current Monitoring Period: 01-01-2014 to 12-31-2016			
					2931-1,2-DIBROMO-3-CHLOROPROPANE	0	No
					2946-ETHYLENE DIBROMIDE	0	No
<a href="#">EP002</a>	01-01-2011 Continuous	01-01-2011	1 RT/3Y	<a href="#">515</a> - SOC METHOD 515.4 Current Monitoring Period: 01-01-2014 to 12-31-2016			
					2110-2,4,5-TP	0	No
					2105-2,4-D	0	No
					2031-DALAPON	0	No
					2041-DINOSEB	0	No
					2040-PICLORAM	0	No
<a href="#">EP002</a>	01-01-2011 Continuous	01-01-2011	1 RT/3Y	<a href="#">531</a> - SOC METHOD 531.1 Current Monitoring Period: 01-01-2014 to 12-31-2016			
					2047-ALDICARB	0	No
					2044-ALDICARB SULFONE	0	No
					2043-ALDICARB SULFOXIDE	0	No
					2046-CARBOFURAN	0	No
					2036-OXAMYL	0	No
<a href="#">EP002</a>	01-01-2014 Continuous	01-01-2014	1 RT/3Y	<a href="#">MIN</a> - MINERALS Current Monitoring Period: 01-01-2014 to 12-31-2016			
					1017-CHLORIDE	0	No
					1025-FLUORIDE	0	No
					1055-SULFATE	0	No
					1930-TDS	0	No
<a href="#">EP002</a>	01-01-2009 Continuous	01-01-2009	1 RT/6Y	<a href="#">MTL</a> - METALS Current Monitoring Period: 01-01-2015 to 12-31-2020			
					1002-ALUMINUM	0	No
					1074-ANTIMONY, TOTAL	0	No
					1005-ARSENIC	0	No
					1010-BARIUM	0	No
					1075-BERYLLIUM, TOTAL	0	No
					1015-CADMIUM	0	No
					1020-CHROMIUM	0	No
					1028-IRON	0	No
					1032-MANGANESE	0	No
					1045-SELENIUM	0	No
					1050-SILVER	0	No
					1085-THALLIUM, TOTAL	0	No
					1095-ZINC	0	No
<a href="#">EP002</a>	01-01-2011 Continuous	01-01-2011	1 RT/YR	<a href="#">NO32</a> - NITRATE/NITRITE Current Monitoring Period: 01-01-2015 to 12-31-2015			
					1040-NITRATE	1	Yes
					1041-NITRITE	1	Yes
<a href="#">EP002</a>	01-01-2010 Continuous	01-01-2010	1 RT/6Y	<a href="#">RAD</a> - RADIONUCLIDES Current Monitoring Period: 01-01-2010 to 12-31-2015			
					4010-COMBINED RADIUM (-226 & -228)	1	Yes
					4006-COMBINED URANIUM	0	No

					4000-GROSS ALPHA, EXCL. RADON & U	1	Yes
<a href="#">EP002</a>	01-01-2009 Continuous	01-01-2009	1 RT/3Y	<a href="#">SOC5</a> - SYNTHETIC ORGANICS Current Monitoring Period: 01-01-2015 to 12-31-2017			
				2051-ALACHLOR	0	No	
				2050-ATRAZINE	0	No	
				2306-BENZO(A)PYRENE	0	No	
				2010-BHC-GAMMA	0	No	
				2959-CHLORDANE	0	No	
				2035-DI(2-ETHYLHEXYL) ADIPATE	0	No	
				2039-DI(2-ETHYLHEXYL) PHTHALATE	0	No	
				2005-ENDRIN	0	No	
				2065-HEPTACHLOR	0	No	
				2067-HEPTACHLOR EPOXIDE	0	No	
				2274-HEXACHLOROBENZENE	0	No	
				2042-HEXACHLOROCYCLOPENTADIENE	0	No	
				2015-METHOXYCHLOR	0	No	
				2326-PENTACHLOROPHENOL	0	No	
				2037-SIMAZINE	0	No	
				2020-TOXAPHENE	0	No	
<a href="#">EP002</a>	01-01-2015 Continuous	01-01-2015	1 RT/YR	<a href="#">VOC</a> - VOLATILE ORGANICS Current Monitoring Period: 01-01-2015 to 12-31-2015			
				2981-1,1,1-TRICHLOROETHANE	1	Yes	
				2985-1,1,2-TRICHLOROETHANE	1	Yes	
				2977-1,1-DICHLOROETHYLENE	1	Yes	
				2378-1,2,4-TRICHLOROBENZENE	1	Yes	
				2980-1,2-DICHLOROETHANE	1	Yes	
				2983-1,2-DICHLOROPROPANE	1	Yes	
				2990-BENZENE	1	Yes	
				2982-CARBON TETRACHLORIDE	1	Yes	
				2989-CHLOROBENZENE	1	Yes	
				2380-CIS-1,2-DICHLOROETHYLENE	1	Yes	
				2964-DICHLOROMETHANE	1	Yes	
				2992-ETHYLBENZENE	1	Yes	
				2968-O-DICHLOROBENZENE	1	Yes	
				2969-P-DICHLOROBENZENE	1	Yes	
				2996-STYRENE	1	Yes	
				2987-TETRACHLOROETHYLENE	1	Yes	
				2991-TOLUENE	1	Yes	
				2979-TRANS-1,2-DICHLOROETHYLENE	1	Yes	
				2984-TRICHLOROETHYLENE	1	Yes	
2976-VINYL CHLORIDE	1	Yes					
2955-XYLENES, TOTAL	1	Yes					
<a href="#">EP002</a>	07-01-2015 Continuous	07-01-2015	2 RT/6M	<a href="#">WQPI</a> - WQP - INITIAL Current Monitoring Period: 07-01-2015 to 12-31-2015			
				1927-ALKALINITY, TOTAL	0	No	

Individual Non-TCR Sample Schedules						
Facility	Seas	Req.	Analyte	Samples		

	Begin End Date		Init MP Begin Dt		Schedule Satisfied						
<a href="#">EP001</a>	01-01-2012 Continuous		01-01-2012	1 RT/3Y							
<a href="#">EP002</a>	01-01-2012 Continuous		01-01-2012	1 RT/3Y							
<a href="#">EP002</a>	01-01-2011 Continuous		01-01-2011	1 RT/YR	<table border="1"> <tr> <td>1035-MERCURY</td> <td>1</td> <td>Yes</td> </tr> <tr> <td colspan="3">Current Monitoring Period: 01-01-2015 to 12-31-2015</td> </tr> </table>	1035-MERCURY	1	Yes	Current Monitoring Period: 01-01-2015 to 12-31-2015		
1035-MERCURY	1	Yes									
Current Monitoring Period: 01-01-2015 to 12-31-2015											
<a href="#">DS01</a>	01-01-2004 Continuous		01-01-2004	1 RT/9Y	<table border="1"> <tr> <td>1094-ASBESTOS</td> <td>0</td> <td>No</td> </tr> <tr> <td colspan="3">Current Monitoring Period: 01-01-2013 to 12-31-2021</td> </tr> </table>	1094-ASBESTOS	0	No	Current Monitoring Period: 01-01-2013 to 12-31-2021		
1094-ASBESTOS	0	No									
Current Monitoring Period: 01-01-2013 to 12-31-2021											

Facility Analyte Levels(FANLS)									
Site	Analyte	Level Type	Value	Units	Days/Month	Samples/Day	Begin Date	End Date	MDBP Type

Sample Plans					
Rule	Analyte/Analyte Group	Eff. Begin	Eff. End	App. Date	For Comp.



Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



PWS\_0150117\_CO\_20140923\_Plan Ltr

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

September 23, 2014

Mr. Kenneth M. Kuhr, P.E.  
Parsons  
8000 Centre Park Dr. Ste 200  
Austin, TX 78754

Re: Camp Stanley Storage Activity - Public Water System ID No. 0150117  
Proposed Collection Raw Water Samples for Well No. CS-13  
Engineer Contact Telephone: (512) 719-6087  
Plan Review Log No. P-07282014-219  
Bexar County, Texas

CN600126262; RN100662840

Dear Mr. Kuhr:

As stipulated in Item No. 2 of the TCEQ's letter dated April 18, 2013 concerning interim use of Well No. CS-13:

An October 30, 2012 letter from TCEQ granted conditional approval for construction of Well No. CS-13. The conditions included monthly and quarterly monitoring of this well and several adjacent wells for organics, inorganic, microbes, volatile organic contaminants (VOCs) and metals. Interim approval is contingent upon performing the monitoring for at least the first year of operation.

Our review of material received on August 28, 2014, with your letter dated August 27, 2014 indicates that Well No. CS-13 has been drilled and the pump installed, but none of the facilities for housing, disinfection, or distribution have been constructed by the United States Government. The project is being incrementally funded and construction of the remaining items is expected to occur in fiscal year 2015 (October 1, 2014 through September 30, 2015).

At this time, we agree that the well has not achieved an operational state of readiness as the well is not serving any potable water uses. We also agree that the well system has not met the criteria necessary to "perform monitoring for at least the first year of operation." Please inform us when the well becomes operational by producing potable water and you begin the required 12-month monitoring.

Mr. Kenneth M. Kuhr, P.E.  
Page 2  
September 23, 2014

After the sampling and analysis is complete, please keep a copy of the analysis results on site for regional staff inspection and submit a copy to the following address:

Drinking Water Protection Team (MC 155)  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

These samples are in addition to the normally required samples and must be collected at a point prior to the disinfectant injection point.

Please refer to the Utilities Technical Review Team's Log No. P-07282014-219 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittal to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.

<http://www.tceq.texas.gov/utilities/planrev.html>

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's homepage on the Internet at the following address:

<http://www.tceq.texas.gov/utilities/planrev.html#status>

You can download most of the well construction checklists and the latest revision of 30 TAC Chapter 290 – [Rules and Regulations for Public Water Systems](#) from this site.

Mr. Kenneth M. Kuhr, P.E.

Page 3

September 23, 2014

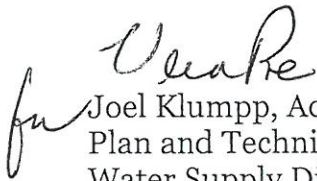
If you have any questions concerning this letter or need further assistance, please contact Mr. Craig A. Stowell at (512) 239-4633 or by email at [craig.stowell@tceq.texas.gov](mailto:craig.stowell@tceq.texas.gov) or by correspondence at the following address:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Craig A. Stowell, P.E.  
Utilities Technical Review Team  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Joel Klumpp, Acting Manager  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

CAS/av

cc: Camp Stanley, Attn: Mr. Charles Benjamin, Acting Chief, Logistics Division,  
25800 Ralph Fair Road, Boerne, TX 78015  
Camp Stanley, Attn: Mr. Gabriel Moreno-Ferguson, Environmental Program  
Manager, Building 606, 25800 Ralph Fair Road. Boerne, TX 78015



## Brenda Shirley

---

**From:** Cannizzo, James V CIV USARMY USAMC (US) <james.v.cannizzo.civ@mail.mil>  
**Sent:** Wednesday, May 22, 2013 4:02 PM  
**To:** Shirley, Jason D CIV (US)  
**Cc:** Brenda Shirley; Gabriel Moreno-Fergusson; Pearson, William Scott; Smith, Paul M CIV (US); Ovalle, Joseph I CIV (US)  
**Subject:** FW: TCEQ TCR Violation Cert of Delivery and Notice (Camp Stanley 0150117); Accepted (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: FOUO

See below, TCEQ accepted the public notice filing, so we are good for now as long as we don't fail to take samples in the future. Regards, Jim 295-9830

-----Original Message-----

From: Jonathan Nealer [<mailto:jonathan.nealer@tceq.texas.gov>]  
Sent: Wednesday, May 22, 2013 3:59 PM  
To: Cannizzo, James V CIV USARMY USAMC (US)  
Cc: [jonathan.nealer@outlook.com](mailto:jonathan.nealer@outlook.com)  
Subject: RE: TCEQ TCR Violation Cert of Delivery and Notice (Camp Stanley 0150117) (UNCLASSIFIED)

James,

I have accepted and processed your public notices. Camp Stanley is now up to date on its public notice requirement. Please let me know if you have any further questions.

Thank you,

Jon Nealer  
Environmental Specialist  
University of Texas - Arlington Contractor Texas Commission on Environmental Quality (TCEQ)  
Phone: 512.239.4706  
Fax: 512.239.3666

-----Original Message-----

From: Cannizzo, James V CIV USARMY USAMC (US)  
[\[mailto:james.v.cannizzo.civ@mail.mil\]](mailto:james.v.cannizzo.civ@mail.mil)  
Sent: Wednesday, May 22, 2013 1:43 PM  
To: Jonathan Nealer  
Subject: TCEQ TCR Violation Cert of Delivery and Notice (Camp Stanley 0150117) (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: FOUO

I spoke with you on Monday about Camp Stanley (0150117), a small Army facility in the San Antonio area, and our two months (Feb and Mar 2013) that we failed to perform TCR monitoring. We distributed the notices to our residents and employees today and posted the notice on our intranet. See attach scan of the certificate of delivery and the notice. As we discussed Monday, we did both months noncompliance in one notice. Below is a link and extract to TCEQ's data on the two months' noncompliance.

2013-108 03-01-2013-  
03-31-2013 23 MONITORING (TCR), ROUTINE MAJOR 3100 COLIFORM (TCR) Yes -  
Informal No

2013-107 02-01-2013-  
02-28-2013 23 MONITORING (TCR), ROUTINE MAJOR 3100 COLIFORM (TCR) Yes -  
Informal No

[http://dww.tceq.texas.gov/DWW/JSP/Violations.jsp?tinwsys\\_is\\_number=256&tinwsys\\_st\\_code=TX&wsnumber=TX0150117&DWWState=TX](http://dww.tceq.texas.gov/DWW/JSP/Violations.jsp?tinwsys_is_number=256&tinwsys_st_code=TX&wsnumber=TX0150117&DWWState=TX)

Is there anything else we need to do? Also, please confirm that this email is sufficient and that we don't need to mail you a hardcopy via snail mail?

Regards, Jim

James V. Cannizzo \*(210) 295-9830 or 7082

Administrative Advisor

US Army, Camp Stanley (Army Material Command, AMC) Camp Stanley Storage Area (AMC), Environmental Department, 25800 Ralph Fair Road, Boerne TX 78015-4877

Classification: UNCLASSIFIED

Caveats: FOUO

Classification: UNCLASSIFIED

Caveats: FOUO



Texas Commission on Environmental Quality

CERTIFICATE OF DELIVERY OF PUBLIC NOTICE TO CUSTOMERS: TIER III  
Public Notice to be posted within **90 days** of initial violation notification

Public Water System (PWS) name: Camp Stanley Storage Activity,

PWS ID: PWS ID# 0150117 Month / Year of violation(s): February and March 2013

Type of Total Coliform Rule or Ground Water Rule violation(s):

- Distribution Routine Monitoring/Temporary Increased Routine Monitoring violation
- Repeat Monitoring violation
- Triggered Source Monitoring (raw groundwater source sample) violation
- Surface Water Treatment Rule Monitoring or Reporting violation

30 TAC 290.122(c) requires that your PWS make an adequate, good-faith effort to reach all consumers served by the system by appropriate methods (check all below that apply):

**COMMUNITY WATER SYSTEM:**

- Mail or directly distribute PN to each customer receiving a bill and to other service connections to which water is delivered by the public water system

**and at least one of the following methods if direct delivery may not reach all persons regularly served by the system:**

- Publish PN in local newspaper
- Deliver multiple PNs for distribution by customers that provide their drinking water to others (e.g. apartment building owners or large private employers)
- Post PN in public places
- Deliver PN to community organizations
- Post PN on the Internet at: www.\_\_\_\_\_

**NONCOMMUNITY WATER SYSTEM:**

- Mail or directly deliver PN to each customer and service connection, or
- Post PN in conspicuous places within the water system

**and at least one of the following methods if direct delivery or public posting may not reach all persons regularly served by the system:**

- Publish PN in local newspaper
- Deliver multiple PNs for distribution by customers that provide their drinking water to others (e.g. apartment building owners or large private employers)
- Post PN in public places
- Deliver PN to community organizations
- Post PN on the Internet at: www.\_\_\_\_\_

## REQUIRED SIGNATURE ON REVERSE SIDE

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Certified by: (print name): Jason D. Shirley Title: Installation

Manager, Camp Stanley Storage Area Date of Delivery to Customers: 22 May 2013

Phone: (210) 295-7416

Signature:  Date: 22 May 2013

**Fax to (512) 239-3666 or mail a copy of this completed form, AND copies of the Public Notices given to your customers to: TCEQ – Public Drinking Water Section MC – 155, Attn: Public Notice. P. O. Box 13087 Austin, TX 78711-3087**

**BOTH SIDES OF THIS FORM, PLUS THE COMPLETED MANDATORY LANGUAGE, MUST BE DELIVERED TO THE TCEQ FOR PUBLIC NOTICE COMPLIANCE.**

**Mandatory Public Notification Language  
for a Routine Monitoring Violation (TCR 23&24)**

The water system, Camp Stanley Storage Activity, PWS ID# 0150117, failed to collect the required number of bacteriological samples for coliform monitoring of the water distribution system during February and March 2013 due to an administrative error. This monitoring is required by the Texas Commission on Environmental Quality's "Drinking Water Standards" and the federal "Safe Drinking Water Act", Public Law 95-523. Bacteriological samples are used to monitor water quality and indicate if the water is free of coliform bacteria. Our water system is required to submit one (1) bacteriological sample each month. Failure to collect all of the required bacteriological samples is a violation of the monitoring requirements and we are required to notify you of this violation.

If you have any questions regarding this violation, you may contact:

Jason D. Shirley, Installation Manager, Camp Stanley Storage Activity, (210) 295-7416

Bryan W. Shaw, Ph.D, *Chairman*  
Carlos Rubinstein, *Commissioner*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



PWS/0150117/CO

## Texas Commission on Environmental Quality

*Protecting Texas by Reducing and Preventing Pollution*

May 9, 2013

TCR/NOV/M/0150117  
CAMP STANLEY STORAGE ACTIVITY  
PAUL M SMITH  
25800 RALPH FAIR RD  
BOERNE, TX 78015-4877

Subject: Notice of a Total Coliform Rule (TCR)  
MONITORING (TCR), ROUTINE MAJOR VIOLATION

Dear Public Water System Owner:

The Texas Commission on Environmental Quality (TCEQ) Public Drinking Water records indicate that your Public Water System (PWS) did not submit the required amount of routine/distribution samples for the month of **MAR2013**. According to our records, your PWS is required to submit 1 sample(s) each month for coliform analysis. To date, we have received 0 sample(s).

Rule citations: 30 Texas Administrative Code (TAC), Section 290.109(c)(1-2); Section 290.109(f)(5 and 7)

If the required samples were collected, please forward a copy of the Microbial Monitoring Form(s) so your records can be updated. However, if you did not perform the required sampling, you must provide copies of the Public Notice (PN) and Certificate of Delivery (COD) to the TCEQ. The mandatory language for the PN and the COD are provided as attachments to this letter.

Failure to notify your customers and submit a copy of both the PN and COD to TCEQ will result in additional violations. **Note: Additional violations may result in a referral to the TCEQ Enforcement Division.**

Rule citations: 30 TAC, Section 290.109(e); Section 290.109(f)(8); Section 290.109(g)(5); Section 290.122(c)(1)(B); Section 290.122(c)(2); Section 290.122(d)(1-9); Section 290.122(f);

The most current sample data or PWS information the TCEQ has received can be viewed at Drinking Water Watch, <http://dww.tceq.texas.gov/DWW/>.

Please **fax** your PN and COD to **(512) 239-3666** or **mail** to

TCEQ  
Drinking Water Quality Team, MC-155  
P O Box 13087  
Austin, Texas 78711-3087

PAUL M SMITH

Page 2

May 9, 2013

If you have questions about the TCR requirements, please contact

- Tom Heitman, (512) 239-3257, Tom.Heitman@tceq.texas.gov
- Joaquin Montes, (512) 239-6061, Joaquin.Montes@tceq.texas.gov
- TCRDATA@tceq.texas.gov

If you have questions about the PN requirements, please contact

- Public Notice Rule Coordinator, (512) 239-4691
- TCRDATA@tceq.texas.gov

Sincerely,



Bob Patton, Jr., Manager  
Public Drinking Water Section (MC-155)  
Water Supply Division  
Texas Commission on Environmental Quality

BP/GC/av

Enclosures: Mandatory Language for PN  
Certificate of Delivery



## Mandatory Language for Public Notice

### Routine Monitoring Violation Total Coliform Rule

<PWS name / PWS ID number> failed to collect the required number of bacteriological samples for coliform monitoring of the water distribution system during <Month / Year>. This monitoring is required by the Texas Commission on Environmental Quality's "Drinking Water Standards" and the federal "Safe Drinking Water Act," Public Law 95-523.

Bacteriological samples are used to monitor water quality and indicate if the water is free of coliform bacteria. Our water system is required to submit <number of monthly distribution samples required> bacteriological samples each month. Failure to collect all required bacteriological samples is a violation of the monitoring requirements and we are required to notify you of this violation.

If you have any questions regarding this violation, you may contact <Name of water system official> at <phone number>.

---

#### **Instructions for preparing the required Public Notice:**

Copy the mandatory language above and insert the underlined information in the spaces indicated. Please refer to the Certificate of Delivery or 30 TAC 290.122 for additional information on public notification.

**After filling in the necessary information, fax to (512) 239-3666 or mail a copy of this completed form AND a copy of the signed Certificate of Delivery to:**

TCEQ – Public Drinking Water Section  
MC – 155  
Attn: TCR/GWR Public Notice.  
P. O. Box 13087 Austin, TX 78711-3087





Texas Commission on Environmental Quality

CERTIFICATE OF DELIVERY OF PUBLIC NOTICE TO CUSTOMERS: TIER III  
Public Notice to be posted within **three months** of the violation

Public Water System (PWS) name: \_\_\_\_\_

PWS ID: \_\_\_\_\_ Month / Year of violation(s): \_\_\_\_\_

Type of Total Coliform Rule or Ground Water Rule violation(s):

- Distribution Routine Monitoring/Temporary Increased Routine Monitoring violation
- Repeat Monitoring violation
- Triggered Source Monitoring (raw groundwater source sample) violation
- Surface Water Treatment Rule Monitoring or Reporting violation

30 TAC 290.122(c) requires that your PWS make an adequate, good-faith effort to reach all consumers served by the system by appropriate methods (check all below that apply):

**COMMUNITY WATER SYSTEM:**

- Mail or directly distribute PN to each customer receiving a bill and to other service connections to which water is delivered by the public water system

**and at least one of the following methods if direct delivery may not reach all persons regularly served by the system:**

- Publish PN in local newspaper
- Deliver multiple PNs for distribution by customers that provide their drinking water to others (e.g. apartment building owners or large private employers)
- Post PN in public places
- Deliver PN to community organizations
- Post PN on the Internet at: *www*. \_\_\_\_\_

**NONCOMMUNITY WATER SYSTEM:**

- Mail or directly deliver PN to each customer and service connection, or
- Post PN in conspicuous places within the water system

**and at least one of the following methods if direct delivery or public posting may not reach all persons regularly served by the system:**

- Publish PN in local newspaper
- Deliver multiple PNs for distribution by customers that provide their drinking water to others (e.g. apartment building owners or large private employers)
- Post PN in public places
- Deliver PN to community organizations
- Post PN on the Internet at: *www*. \_\_\_\_\_

**REQUIRED SIGNATURE ON REVERSE SIDE**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Certified by: (print name): \_\_\_\_\_ Title: \_\_\_\_\_

Date of Delivery to Customers: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Fax to (512) 239-3666 or mail a copy of this completed form, AND copies of the Public Notices given to your customers to: TCEQ – Public Drinking Water Section MC – 155, Attn: Public Notice. P. O. Box 13087 Austin, TX 78711-3087

**BOTH SIDES OF THIS FORM, PLUS THE COMPLETED MANDATORY LANGUAGE, MUST BE DELIVERED TO THE TCEQ FOR PUBLIC NOTICE COMPLIANCE.**

Bryan W. Shaw, Ph.D., *Chairman*  
Carlos Rubinstein, *Commissioner*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



PWS/0150117/CO  
wellintu.doc

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

April 18, 2013

Mr. Kenneth M. Kuhr, P.E.  
Parsons  
8000 Centre Park Dr Ste 200  
Austin, TX 78754

Re: Camp Stanley Storage Activity - Public Water System ID No. 0150117  
Proposed Well CS-13, Distribution & Disinfection  
Engineer Contact Telephone: (512) 719-6087  
Plan Review Log No.: P-02122013-052  
Bexar County, Texas

CN600126262; RN100662840

Dear Mr. Kuhr:

The constructed well is approved for **interim** use and may now be **temporarily** placed into service based on our review of well completion material received on February 12, 2013, with your letter dated February 12, 2013. The project generally meets the minimum requirements of the Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems (Rules) except the following:

1. Construction sequencing and scheduling must maintain adequate water quality and pressure for the consumers which receive water from this system.
2. An October 30, 2012 letter from TCEQ granted conditional approval for construction of well CS-13. The conditions included monthly and quarterly monitoring of this well and several adjacent wells for organics, inorganic, microbes, volatile organic contaminants (VOCs) and metals. Interim approval is contingent upon performing the monitoring for at least the first year of operation. Please keep a copy of the analysis results on site for regional staff inspection and submit a copy to:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

3. The official State of Texas Well Report for the completed well was submitted in compliance with 30 TAC § 290.41(c)(3)(A). This report indicated that the well was cemented with a tremie and a mixture of cement and bentonite. The cement certificate indicated that positive displacement and Portland cement were used. It has been indicated that a corrected Report will be filed. Also, the Well Report needs to be signed by the driller. Please submit the signed report to TCEQ when completed.

Mr. Kenneth M. Kuhr, P.E.

Page 2

April 18, 2013

4. A record of a 36 hour pump test on the well showing stable production at the well's rated capacity must be submitted in accordance with 30 TAC §290.41(c)(3)(A) & (G) including the final well pump capacity in gallons per minute (gpm) and total dynamic head (TDH) in feet. The results submitted were for the unfinished monitoring well and not the finished, cased well. Please submit a 36 hour pump test upon completion of the power connection for this well.
5. Sampling for radionuclides was performed for the monitoring well (TW-2) but not for the completed well (CS-13). These results did not indicate a potential for a contamination problem. The results of the official chemical analysis of samples from this will be used to determine compliance with the radionuclide maximum contaminant levels.
6. Construction specifications and equipment details, sizes and description were not submitted for the chlorination system. Please submit these specifications.
7. TAC 290.44(b) prohibits pipe and pipe fittings which contain more than 8.0 percent lead or solders and flux that contains more than 0.2 percent lead. Please be aware that beginning January 2014, changes to the Safe Drinking Water Act will further reduce the maximum allowable lead content of pipes, pipe fittings, plumbing fittings, and fixtures to 0.25 percent. Projects constructed after December 2013 must comply with the maximum allowable lead content of 0.25 percent. Acceptable product marking demonstrating third party certification with the requirements include NSF®-61-G or NSF®-61 and NSF®-372.
8. The system must maintain a minimum pressure of 35 pounds per square inch (psi) at all points within the distribution network at flow rates of at least 1.5 gallons per minute per connection. When the system is to provide fire fighting capability, it must also maintain a minimum pressure of 20 psi under combined fire and drinking water flow conditions as required in 30 TAC §290.44(d) of the rules. The submittal indicates that the pressure will be maintained by the well pump and the existing storage. Please ensure that adequate elevated storage (water stored at 80 feet or more above the connection with the the highest elevation in that pressure plane) and pressure is maintained.
9. The hydrostatic leakage rate for polyvinyl chloride (PVC) pipe and appurtenances shall not exceed the amount allowed or recommended by formulas in America Water Works Association (AWWA) C-605 as required in Title 30 Texas Administrative Code (TAC) §290.44(a)(5). Please ensure that the formula for this calculation is correct and the most current formula is in use;  $Q = LD(P)^{1/2}/148,000$  where Q is the quantity of makeup water in gallons per hour, L is the length of pipe section being tested, in feet, D is the nominal diameter of the pipe in inches, and P is the average test pressure during the hydrostatic test in pounds per square inch (psi). Please include the updated formula in the specifications.

Mr. Kenneth M. Kuhr, P.E.  
Page 3  
April 18, 2013

10. Specifications for waterline and wastewater line separation distances must comply with all guidelines as required in §290.44(e) of the TCEQ's rules dated February 2004 or the most current edition. Waterlines shall not be installed closer than ten feet to septic tank drain fields [§290.44(e)(8)]. Please ensure that these distances are met.
11. Several fill stations are located within the distribution system. It was indicated that there was no potential for cross connections since they have air gaps. The fill stands are generally 15 feet in height with a fill hose that maintains at least a 2-foot air gap above the container/tanker being filled. Please ensure that the air gap is maintained during all fill operations.

The preliminary chemical samples collected by the water system or their contractor are for interim approval only. For final approval prior to the new well being placed into permanent service the following conditions must be met:

1. It is the water system's responsibility to contact the **TCEQ's Drinking Water Quality Team in Austin at 512/239-4691** to arrange for the collection of the official chemical samples which must be completed within 120 days from the date of this letter.
2. The results of the official chemical analysis of these samples will be used to conduct a vulnerability assessment, develop a chemical monitoring plan and grant final approval for the new source.
3. If official chemical analysis testing confirms that a regulated constituent does not meet secondary constituent levels, you must obtain **written approval from the executive director** to use your well for public drinking water; and,
4. Additional treatment, blending, or public notice may be required. The Drinking Water Quality Team will notify the water system of any additional special requirements for this public water supply source. Plans for water treatment must be reviewed and approved by the Utilities Technical Review Team.

The well completion data consisted of the following:

- State of Texas Well Report;
- Material setting and cementing data;
- 36-hour pumping test results for monitoring well;
- U. S. Geological Survey 7.5 minute map showing the well location;
- Three bacteriological sampling results showing no coliform contamination; and,
- Chemical analysis results (commercial lab).

Mr. Kenneth M. Kuhr, P.E.  
Page 4  
April 18, 2013

The well completion data describes construction of the following:

- One public water supply well drilled to 579 feet with 300 linear feet (l.f.) of 10-inch outside diameter (o.d.) pressure cemented steel casing.
- The well is an open hole construction from 300 to 579 feet;
- The well yields 110 g.p.m at 700 feet total dynamic head;
- 580 l.f. of 6-inch, AWWA C-900 DR14 Class 200 PVC pipe;
- 3,440 l.f. of 8-inch, AWWA C-900 DR18 Class 150 PVC pipe;
- Various fittings, valves, controls, piping and related appurtenances.

The Camp Stanley public water system provides water treatment for the system.

The well is proposed to be located on the Southeast corner of the property adjacent to the firing range.

Texas Water Code Section 36.0015 allows for the creation of groundwater conservation districts (GCD) as the preferred method of groundwater management. GCD's manage groundwater in many counties and are authorized to regulate production and spacing of water wells. **Public water systems drilling wells within an existing GCD are responsible for meeting the GCD requirements.** The authorization provided in this letter does not affect GCD authority to manage groundwater or issue permits.

The well was approved for construction in our October 2, 2012 letter (Plan Review Log No. P-07232012-116).

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.

<http://www.tceq.texas.gov/utilities/planrev.html>

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's homepage on the Internet at the following address:

<http://www.tceq.texas.gov/utilities/planrev.html#status>

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.

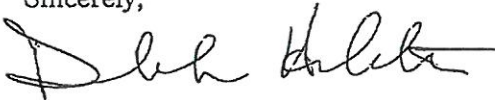


Mr. Kenneth M. Kuhr, P.E.  
Page 5  
April 18, 2013

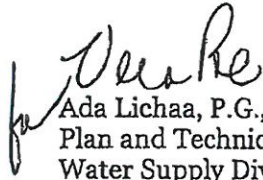
If you have any questions regarding this letter please contact Deborah Helstrom at (512)239-6705 or by email at "deborah.helstrom@tceq.texas.gov" or by correspondences at the following address:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Deborah Helstrom, P.E.  
Utilities Technical Review Team, MC-159  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Ada Lichaa, P.G., Manager  
Plan and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

DH/av

cc: Camp Stanley, Attn: Paul Smith, Chief Logistics Division, 25800 Ralph Fair Road.  
Boerne, TX 78015  
Camp Stanley, Attn: Gabriel Moreno-Ferguson, Environmental Program Manager,  
Building 606, 25800 Ralph Fair Road. Boerne, TX 78015  
TCEQ Central Records PWS File 0150117  
TCEQ Region No. 13 Office - San Antonio  
TCEQ Public Drinking Water - Attn: John Schildwachter MC-155  
TCEQ Public Drinking Water - Attn: Greg Tatum, MC-155

Bryan W. Shaw, Ph.D, *Chairman*  
Carlos Rubinstein, *Commissioner*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



PWS/0150117/CO

## Texas Commission on Environmental Quality

*Protecting Texas by Reducing and Preventing Pollution*

April 1, 2013

TCR/NOV/M/0150117

CAMP STANLEY STORAGE ACTIVITY

PAUL M SMITH

25800 RALPH FAIR RD

BOERNE, TX 78015-4877

Subject: Notice of a Total Coliform Rule (TCR)  
MONITORING (TCR), ROUTINE MAJOR VIOLATION

Dear Public Water System Owner:

The Texas Commission on Environmental Quality (TCEQ) Public Drinking Water records indicate that your Public Water System (PWS) did not submit the required amount of routine/distribution samples for the month of **FEB2013**. According to our records, your PWS is required to submit 1 sample(s) each month for coliform analysis. To date, we have received 0 sample(s).

Rule citations: 30 Texas Administrative Code (TAC), Section 290.109(c)(1-2); Section 290.109(f)(5 and 7)

If the required samples were collected, please forward a copy of the Microbial Monitoring Form(s) so your records can be updated. However, if you did not perform the required sampling, you must provide copies of the Public Notice (PN) and Certificate of Delivery (COD) to the TCEQ. The mandatory language for the PN and the COD are provided as attachments to this letter.

Failure to notify your customers and submit a copy of both the PN and COD to TCEQ will result in additional violations. **Note: Additional violations may result in a referral to the TCEQ Enforcement Division.**

Rule citations: 30 TAC, Section 290.109(e); Section 290.109(f)(8); Section 290.109(g)(5); Section 290.122(c)(1)(B); Section 290.122(c)(2); Section 290.122(d)(1-9); Section 290.122(f);

The most current sample data or PWS information the TCEQ has received can be viewed at Drinking Water Watch, <http://dww.tceq.texas.gov/DWW/>.

Please **fax** your PN and COD to **(512) 239-3666** or **mail** to

TCEQ  
Drinking Water Quality Team, MC-155  
P O Box 13087  
Austin, Texas 78711-3087



PAUL M SMITH

Page 2

April 1, 2013

If you have questions about the TCR requirements, please contact

- Tom Heitman, (512) 239-3257, Tom.Heitman@tceq.texas.gov
- Joaquin Montes, (512) 239-6061, Joaquin.Montes@tceq.texas.gov
- TCRDATA@tceq.texas.gov

If you have questions about the PN requirements, please contact

- Public Notice Rule Coordinator, (512) 239-4691
- TCRDATA@tceq.texas.gov

Sincerely,



Bob Patton, Jr., Manager  
Public Drinking Water Section (MC-155)  
Water Supply Division  
Texas Commission on Environmental Quality

BP/GC/av

Enclosures: Mandatory Language for PN  
Certificate of Delivery

## Mandatory Language for Public Notice

### Routine Monitoring Violation Total Coliform Rule

<PWS name / PWS ID number> failed to collect the required number of bacteriological samples for coliform monitoring of the water distribution system during <Month / Year>. This monitoring is required by the Texas Commission on Environmental Quality's "Drinking Water Standards" and the federal "Safe Drinking Water Act," Public Law 95-523.

Bacteriological samples are used to monitor water quality and indicate if the water is free of coliform bacteria. Our water system is required to submit <number of monthly distribution samples required> bacteriological samples each month. Failure to collect all required bacteriological samples is a violation of the monitoring requirements and we are required to notify you of this violation.

If you have any questions regarding this violation, you may contact <Name of water system official> at <phone number>.

---

#### **Instructions for preparing the required Public Notice:**

Copy the mandatory language above and insert the underlined information in the spaces indicated. Please refer to the Certificate of Delivery or 30 TAC 290.122 for additional information on public notification.

**After filling in the necessary information, fax to (512) 239-3666 or mail a copy of this completed form AND a copy of the signed Certificate of Delivery to:**

**TCEQ – Public Drinking Water Section  
MC – 155  
Attn: TCR/GWR Public Notice.  
P. O. Box 13087 Austin, TX 78711-3087**



Texas Commission on Environmental Quality

CERTIFICATE OF DELIVERY OF PUBLIC NOTICE TO CUSTOMERS: TIER III  
Public Notice to be posted within **three months** of the violation

Public Water System (PWS) name: \_\_\_\_\_

PWS ID: \_\_\_\_\_ Month / Year of violation(s): \_\_\_\_\_

Type of Total Coliform Rule or Ground Water Rule violation(s):

- Distribution Routine Monitoring/Temporary Increased Routine Monitoring violation
- Repeat Monitoring violation
- Triggered Source Monitoring (raw groundwater source sample) violation
- Surface Water Treatment Rule Monitoring or Reporting violation

30 TAC 290.122(c) requires that your PWS make an adequate, good-faith effort to reach all consumers served by the system by appropriate methods (check all below that apply):

**COMMUNITY WATER SYSTEM:**

- Mail or directly distribute PN to each customer receiving a bill and to other service connections to which water is delivered by the public water system

**and at least one of the following methods if direct delivery may not reach all persons regularly served by the system:**

- Publish PN in local newspaper
- Deliver multiple PNs for distribution by customers that provide their drinking water to others (e.g. apartment building owners or large private employers)
- Post PN in public places
- Deliver PN to community organizations
- Post PN on the Internet at: *www*. \_\_\_\_\_

**NONCOMMUNITY WATER SYSTEM:**

- Mail or directly deliver PN to each customer and service connection, or
- Post PN in conspicuous places within the water system

**and at least one of the following methods if direct delivery or public posting may not reach all persons regularly served by the system:**

- Publish PN in local newspaper
- Deliver multiple PNs for distribution by customers that provide their drinking water to others (e.g. apartment building owners or large private employers)
- Post PN in public places
- Deliver PN to community organizations
- Post PN on the Internet at: *www*. \_\_\_\_\_

**REQUIRED SIGNATURE ON REVERSE SIDE**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

Certified by: (print name): \_\_\_\_\_ Title: \_\_\_\_\_

Date of Delivery to Customers: \_\_\_\_\_ Phone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Fax to (512) 239-3666 or mail a copy of this completed form, AND copies of the Public Notices given to your customers to: TCEQ - Public Drinking Water Section MC - 155, Attn: Public Notice. P. O. Box 13087 Austin, TX 78711-3087**

**BOTH SIDES OF THIS FORM, PLUS THE COMPLETED MANDATORY LANGUAGE, MUST BE DELIVERED TO THE TCEQ FOR PUBLIC NOTICE COMPLIANCE.**

Bryan W. Shaw, Ph.D., *Chairman*  
Carlos Rubinstein, *Commissioner*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



PWS/0150117/CO  
wellcond.doc

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

October 30, 2012

Mr. Kenneth M. Kuhr, P.E.  
Parsons  
8000 Centre Park Dr. Ste 200  
Austin, TX 78754

Re: REVISED Camp Stanley - Public Water System ID No. 0150117  
Proposed Well CS-13 at Camp Stanley Storage  
Reference Number P-11302011-126  
Engineer Contact Telephone: (512) 719-6087  
Plan Review Log No.: P-07232012-116  
Bexar County, Texas

CN600126262; RN100662840

Dear Mr. Kuhr:

On November 30, 2011, the Texas Commission of Environmental Quality (TCEQ) received planning material for the proposed well CS-13 at Camp Stanley Storage Facility. Additional information was received July 23, 2012 with your letter dated July 20, 2012. Based on our review the project generally meets the minimum requirements of the TCEQ's Chapter 290 - Rules and Regulations for Public Water Systems (Rules) and is **conditionally approved for construction** if the project plans and specifications meet the following requirements:

Due to possible contamination of this well from nearby remediation sites, the public water supply is required to collect raw water samples monthly from the well and submit the samples for the specified volatile organic compounds (VOCs), metals and bacteriological analysis at a TCEQ-accredited laboratory. The raw water samples should be labeled with the well's TCEQ Source Code and marked "raw." In addition, the specified monitoring wells must be sampled at the specified frequency for the first year of operation.

Mr. Kenneth M. Kuhr, P.E.  
 Page 2  
 October 2, 2012

The wells must be sampled according to the following Well Monitoring Schedule:

Timeline	Frequency (events/year)	Wells	Monitoring Parameters	Aquifer segment
0-12 months	Monthly	CS-13 (proposed PDW well)	Organics, inorganics, microbial	Lower Rose/ Glen Cow Creek
	Monthly	CS-MW17-LGR	VOCs, Metals	Lower Rose Glen
	Quarterly	CS-MW4-LGR	VOCs, Metals	Lower Rose Glen
		CS-MW21-LGR	VOCs, Metals	Lower Rose Glen
		CS-MW1-CC	VOCs, Metals, microbial	Cow Creek
		CS-MW2-CC	VOCs, Metals, microbial	Cow Creek

VOCs include 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride. Metals include cadmium, chromium, lead and mercury. Microbial analysis must be for total coliform and if positive fecal coliform.

At the end of the first year, the monitoring requirements will be reviewed.

An appointed engineer must notify the TCEQ's Region 13 Office in San Antonio at (210) 490-3096 when construction will start.

**The design engineer or water system representative is required to notify the Utilities Technical Review Team in writing by fax (512)239-6972 or email [deborah.helstrom@tceq.texas.gov](mailto:deborah.helstrom@tceq.texas.gov) and cc [vera.poe@tceq.texas.gov](mailto:vera.poe@tceq.texas.gov) at least 48 hours before the well casing pressure cementing begins.** If pressure cementing is to begin on a Monday, then they must give notification on the preceding Thursday. If pressure cementing is to begin on Tuesday, then they must give notification on the preceding Friday.

**The TCEQ does not approve this well for use as a public water supply at this time.** We have enclosed a copy of the "Public Well Completion Data Checklist for Interim Approval." We provide this checklist to help you in obtaining interim approval to use this well before we can give final approval.

Mr. Kenneth M. Kuhr, P.E.  
Page 3  
October 2, 2012

The submittal consisted of engineering plans and an engineering summary. The proposed project consists of:

- One public water supply well drilled to 620 feet with 400 linear feet (l.f.) of 10-inch outside diameter (o.d.) pressure-cemented steel casing.
- The well will be open hole construction from 400 to 620 feet;
- The well is proposed to yield 70 to 100 g.p.m.

The Camp Stanley public water system provides water treatment for the system.

The well is proposed to be located on the Southeast corner of the property adjacent to the firing range.

This approval is for the construction of the above listed items only. Any additional components contained in this design were not considered.

Please keep in mind that within 60 days of project completion the engineer must attest in writing that the project was constructed as described in the approved plans, specifications and any change orders filed with the TCEQ as required in §290.39(h)(3) of the Rules.

Please refer to the Utilities Technical Review Team's Log No. P-07232012-116 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.

<http://www.tceq.state.tx.us/assets/public/permitting/watersupply/ud/forms/10233.pdf>

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's homepage on the Internet at the following address:

[http://www.tceq.state.tx.us/permitting/water\\_supply/ud/planrev.html](http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html)

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.



Mr. Kenneth M. Kuhr, P.E.

Page 4

October 2, 2012

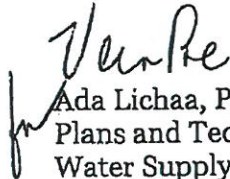
If you have any questions please contact Deborah Helstrom at (512)239-6705 or by email at "deborah.helstrom@tceq.texas.gov" or by correspondence at the following address:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Deborah Helstrom, P.E.  
Utilities Technical Review Team, MC-159  
Plans and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Ada Lichaa, P.G., Manager  
Plans and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

DH/av

Enclosure: "Public Well Completion Data Checklist for Interim Approval"

cc: Camp Stanley, Attn: Paul Smith, Chief Logistics Division, 25800 Ralph Fair Road. Boerne, TX 78015  
Camp Stanley, Attn: Gabriel Moreno-Ferguson, Environmental Program Manager, Building 606, 25800 Ralph Fair Road. Boerne, TX 78015  
TCEQ Central Records PWS File 0150117  
TCEQ Region No.13 Office San Antonio



Bryan W. Shaw, Ph.D., *Chairman*  
Carlos Rubinstein, *Commissioner*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



PWS/0150117/CO  
wellcond.doc

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

October 2, 2012

Mr. Kenneth M. Kuhr, P.E.  
Parsons  
8000 Centre Park Dr. Ste 200  
Austin, TX 78754

Re: ~~Camp Stanley~~ Public Water System ID No. 0150117  
Proposed Well CS-13 at Camp Stanley Storage  
Reference Number P-11302011-126  
Engineer Contact Telephone: (512) 719-6087  
Plan Review Log No.: P-07232012-116  
Bexar County, Texas

CN600126262; RN100662840

Dear Mr. Kuhr:

On November 30, 2011, the Texas Commission of Environmental Quality (TCEQ) received planning material for the proposed well CS-13 at Camp Stanley Storage Facility. Additional information was received July 23, 2012 with your letter dated July 20, 2012. Based on our review the project generally meets the minimum requirements of the TCEQ's Chapter 290 - Rules and Regulations for Public Water Systems (Rules) and is **conditionally approved for construction** if the project plans and specifications meet the following requirements:

Due to possible contamination of this well from nearby remediation sites, the public water supply is required to collect raw water samples monthly from the well and submit the samples for the specified volatile organic compounds (VOCs), metals and bacteriological analysis at a TCEQ-accredited laboratory. The raw water samples should be labeled with the well's TCEQ Source Code and marked "raw." In addition, the specified monitoring wells must be sampled at the specified frequency for the first year of operation.

Mr. Kenneth M. Kuhr, P.E.

Page 2

October 2, 2012

The wells must be sampled according to the following Well Monitoring Schedule:

Timeline	Frequency (events/year)	Wells	Monitoring Parameters	Aquifer segment
0-12 months	Monthly	CS-13 (proposed PDW well)	Organics, inorganics, microbial	Lower Glen Rose/ Cow Creek
	Monthly	CS-MW17-LGR	VOCs, Metals	Lower Glen Rose
	Quarterly	CS-MW14-LGR	VOCs, Metals	Lower Glen Rose
		CS-MW21-LGR	VOCs, Metals	Lower Glen Rose
		CS-MW17-LGR	VOCs, Metals, microbial	Cow Creek
		CS-MW17-LGR	VOCs, Metals, microbial	Cow Creek

VOCs include 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, tetrachloroethene, and vinyl chloride. Metals include cadmium, chromium, lead and mercury. Microbial analysis must be for total coliform and if positive fecal coliform.

At the end of the first year, the monitoring requirements will be reviewed.

An appointed engineer must notify the TCEQ's Region 13 Office in San Antonio at (210) 490-3096 when construction will start.

**The design engineer or water system representative is required to notify the Utilities Technical Review Team in writing by fax (512)239-6972 or email [deborah.helstrom@tceq.texas.gov](mailto:deborah.helstrom@tceq.texas.gov) and cc [vera.poe@tceq.texas.gov](mailto:vera.poe@tceq.texas.gov) at least 48 hours before the well casing pressure cementing begins.** If pressure cementing is to begin on a Monday, then they must give notification on the preceding Thursday. If pressure cementing is to begin on Tuesday, then they must give notification on the preceding Friday.

**The TCEQ does not approve this well for use as a public water supply at this time.** We have enclosed a copy of the "Public Well Completion Data Checklist for Interim Approval." We provide this checklist to help you in obtaining interim approval to use this well before we can give final approval.

Mr. Kenneth M. Kuhr, P.E.  
Page 3  
October 2, 2012

The submittal consisted of engineering plans and an engineering summary. The proposed project consists of:

- One public water supply well drilled to 620 feet with 400 linear feet (l.f.) of 10-inch outside diameter (o.d.) pressure-cemented steel casing.
- The well will be open hole construction from 400 to 620 feet;
- The well is proposed to yield 70 to 100 g.p.m.

The Camp Stanley public water system provides water treatment for the system.

The well is proposed to be located on the Southeast corner of the property adjacent to the firing range.

This approval is for the construction of the above listed items only. Any additional components contained in this design were not considered.

Please keep in mind that within 60 days of project completion the engineer must attest in writing that the project was constructed as described in the approved plans, specifications and any change orders filed with the TCEQ as required in §290.39(h)(3) of the Rules.

Please refer to the Utilities Technical Review Team's Log No. P-07232012-116 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.

<http://www.tceq.state.tx.us/assets/public/permitting/watersupply/ud/forms/10233.pdf>

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's homepage on the Internet at the following address:

[http://www.tceq.state.tx.us/permitting/water\\_supply/ud/planrev.html](http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html)

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.

Mr. Kenneth M. Kuhr, P.E.  
Page 4  
October 2, 2012

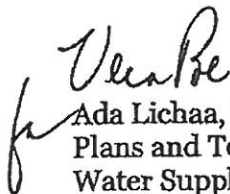
If you have any questions please contact Deborah Helstrom at (512)239-6705 or by email at "deborah.helstrom@tceq.texas.gov" or by correspondence at the following address:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Deborah Helstrom, P.E.  
Utilities Technical Review Team, MC-159  
Plans and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Ada Lichaa, P.G., Manager  
Plans and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

DH/av

Enclosure: "Public Well Completion Data Checklist for Interim Approval"

cc: Camp Stanley, Attn: Paul Smith, Chief Logistics Division, 25800 Ralph Fair Road, Boerne, TX 78015  
Camp Stanley, Attn: Gabriel Moreno-Ferguson, Environmental Program Manager, Building 606, 25800 Ralph Fair Road, Boerne, TX 78015  
TCEQ Central Records PWS File 0150117  
TCEQ Region No.13 Office San Antonio



## PUBLIC WELL COMPLETION DATA CHECKLIST FOR INTERIM APPROVAL

Texas Commission on Environmental Quality Public Water System I.D. No.: \_\_\_\_\_  
 Water Supply Division TCEQ Log. No.: \_\_\_\_\_  
 Util. Technical Review Team MC-159 Owner's Well Id No. or Name.: \_\_\_\_\_  
 P.O. Box 13087, Austin, Texas 78711-3087

Any well proposed as a source of water for a public water supply must have plans approved for construction by the TCEQ. Plans are reviewed for compliance with Rules and Regulations for Public Water Systems Title 30 TAC Chapter 290.38-290.49. After the well is drilled, the well completion data listed below must be submitted for TCEQ evaluation. Based on this submitted data, interim approval may be given for use of the well. Please include the TCEQ Log No. and owner's well name when submitting well completion information.

*(Small print references in parentheses are Rules and Regulations for Public Water Systems Title 30 TAC Chapter 290.38-290.49)*

1.  Copies of ordinance or a recorded deed and map showing ownership and/or sanitary control easements as filed at the county courthouse (bearing the county clerk's stamp), covering all areas within 150 feet of the well owned by the system that will convey to others and neighboring tract not owned by the system (for a sample easement see 30 TAC 290.47(c), or contact the TCEQ Austin office or a Regional office. (Section 290.41(c)(1)(F) of the rules.)
2.  Construction data on the completed well, including:
  - Casing size, bore hole diameter (at least 3-in wider than casing OD), total well depth, casing material (e.g. steel, PVC-SDR17), casing length, and cementing depth and method (one of the methods in AWWA Standard A-100-(latest rev'n), Appendix. C, *excluding* the dump bailer and tremie methods);
  - Driller's geologic log of strata penetrated during drilling of the well;
  - Copy of the official State of Texas Well Report filled out by the water well driller (some of the preceding data is included on the Water Well Report form. (Section 290.41(c)(3)(A),(B),(C) & (G) of the rules.)
  - Cementing certificate (Railroad Commission or company format). (Section 290.41(c)(3)(A))
3.  A U.S. Geological Survey 7.5-minute topographic quadrangle map (include quadrangle name and number), or a legible copy, with "cross-hairs" showing the location of the completed well. (Section 290.41(c)(3)(A) of the rules.) **ACCURACY:** All locations collected shall maintain a minimum level of accuracy of at least 25 meters (82 feet). TCEQ OPP 8.11.02)
4.  Record of a 36 hour pump test on the well showing stable production at the well's rated capacity (Section 290.41(c)(3)(A) & (G) of the rules). Include the final well pump capacity in gpm and feet, t.d.h.
5.  Three bacteriological analysis reports showing raw well water to be free of coliform bacterial contamination; reports must be for samples of raw (untreated) water from the disinfected well, collected on three successive days, and submitted to a laboratory certified or accredited by TCEQ. (Section 290.41(c)(3)(A) & (F) of the rules.)
6.  Chemical analysis reports for well water samples showing the water to be of acceptable quality for at least, the most problematic contaminants listed below (Section 290.41(c)(3)(A) & (G) of the rules, and Section 290.104 and 290.105 of Drinking Water Standards). Reports must come from a certified or accredited laboratory for interim use of the well. Maximum contaminant level (MCL) and secondary contaminant level (SCL) units are in mg/l (except arsenic).

<u>MCL</u>	<u>PRIMARY</u>	<u>SCL SECONDARY</u>	<u>SCL SECONDARY</u>	<u>SCL SECONDARY</u>
10 (as N)	Nitrate	0.2 Aluminum	5.0 Zinc	300 Sulfate
1 (as N)	Nitrite	1.0 Copper	1,000 Total Dissolved Solids	300 Chloride
10 µg/l	Arsenic	0.3 Iron	2.0 Fluoride	≥7.0 pH
4.0	Fluoride	0.05 Manganese		
15	Gross alpha (pCi/liter)*			
5	Radium-226/228 (pCi/liter)*			
50	Beta particle (pCi/liter)*			
30	Uranium (µg/liter)* (WHERE: pCi/liter=pico curies per liter, µg/liter=micrograms per liter)			

Radionuclide water analyses required only in selected counties listed on the back of this checklist. For more guidance see "How to Conduct Radionuclide Testing for Well Completion Interim Approval"

- 7.  By checking this box, submitter agrees to contact the Drinking Water Quality Team at 512/239-4691 within 120 days of receiving interim approval to schedule final approval sampling. These will be collected by TCEQ contractors, analyzed by a certified lab, and paid for by the Public Water Supply.
- 8.  By checking this box, submitter acknowledges that Public Water Supply systems are subject to applicable Texas Administrative Code 30 Chapters 290, 291, 292 and 293.

**List of Counties where Radionuclide Testing is Required**

Please be aware when you review your radiological data that if the report has gross alpha over 15 pCi/L and uraniums are not reported, you will have to resample or reanalyze and resubmit radionuclide results. If you see gross alpha plus radium-228 over 5 pCi/L, and don't have radium-226, you will have to resample or reanalyze and resubmit complete results. For more information go to following website.

COUNTY	STATE CODE#
Atascosa	007
Bexar	015
Bosque	018
Brazoria	020
Brewster	022
Burnet	027
Concho	048
Culberson	055
Dallam	056
Erath	072
Fort Bend	079
Frio	082
Gillespie	086
Gray	090
Grayson	091
Harris	101
Hudspeth	115
Irion	118
Jeff Davis	122
Kendall	130
Kerr	133
Liberty	146
Llano	150
Lubbock	152

Continued	
McCulloch	154
Mason	160
Matagorda	161
Medina	163
Montgomery	170
Moore	171
Parker	184
Pecos	186
Polk	187
Presidio	189
Refugio	196
San Jacinto	204
San Saba	206
Tarrant	220
Tyler	229
Upton	231
Val Verde	233
Victoria	235
Walker	236
Washington	239
Wichita	243
Zavala	254

Bryan W. Shaw, Ph.D., *Chairman*  
Buddy Garcia, *Commissioner*  
Carlos Rubinstein, *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*

PWS/0150117/CO  
wellcond.doc

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

February 6, 2012

Mr. Kenneth M. Kuhr, P.E.  
Parsons  
8000 Centre Park Dr. Ste 200  
Austin, TX 78754

Re: Camp Stanley - Public Water System ID No. 0150117  
Proposed Proposed Well CS-13 At Camp Stanley Storage  
Engineer Contact Telephone: (512) 719-6087  
Plan Review Log No.: P-11302011-126  
Bexar County, Texas

CN600126262; RN100662840

Dear Mr. Kuhr:

On November 30, 2011, the Texas Commission of Environmental Quality (TCEQ) received planning material with your letter dated November 30, 2011 for proposed well CS-13 at Camp Stanley Storage Facility. Based on our review we are **unable to approve the project** until the following additional information is submitted to ensure the project generally meets the minimum requirements of the TCEQ's Chapter 290 - Rules and Regulations for Public Water Systems:

1. The information submitted indicates that the proposed well is within approximately 1,000 feet of a contaminated groundwater plume. Additional information must be submitted concerning the plume including potentiometric surface representation of predicted groundwater movement, evaluation of monitoring results indicating the maximum concentration and the range of values for these results for all detected contaminants which have regulated drinking water standards.
2. The effect of pumping the new proposed well on the movement of the plume has not been evaluated. The current monitoring well locations associated with the proposed well do not appear to be adequate to predict the effect of pumping the proposed well. Please submit a detailed plan of study to determine the influence of this well on the production aquifers. Modify the procedures for the pump test to ensure an adequate evaluation.
3. It is understood that lead and mercury were present in Well CS-9, a well in close proximity to the proposed well. Although it was stated that this well will only be used for fire suppression purposes, this may be a potential source of contamination for the proposed well. Please address this issue in your response.
4. The proposed well will be located in an "area of concern" that is currently being evaluated for contamination. Please discuss the evaluation of the area of concern in writing and indicate the type, quantity and extent of contamination.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • [www.tceq.texas.gov](http://www.tceq.texas.gov)

How is our customer service? [www.tceq.texas.gov/goto/customerurvey](http://www.tceq.texas.gov/goto/customerurvey)



5. Since it appears that the proposed well will be drilled in a hydrogeologically sensitive aquifer due to fissures and carbonate rock formations and by its location and/or construction it may be susceptible to microbiological and/or chemical contamination. In addition, a recently constructed well at the facility tested positive for bacteriological analysis and other wells have indicated lead, mercury and Tetrachloroethylene (PCE). There is also possible contamination from munitions. Therefore, we will require the utility to analyze raw water samples monthly for bacteriological, inorganic and organic contaminants regulation in 30 TAC 290 subchapter F each month for at least the first twelve months of operation. These samples are in addition to the routine monthly distribution samples. The raw water samples must be collected directly from the wellhead before the point of disinfection. The results must be submitted to TCEQ monthly and kept on site with public water system records for review by TCEQ personnel upon request. If these samples suggest additional treatment or testing is necessary, the TCEQ will notify the public water system.
6. To serve as a sentinel well, a monitoring well will be needed immediately upgradient of the proposed well to be able to detect potential contamination before it reaches the proposed well.
7. It has been indicated that public drinking water could be obtained from San Antonio Water System (SAWS) and that the facility is currently using SAWS to dispose of wastewater. In view of this fact and the potential for contamination of the proposed well, we are recommending that this alternative be fully explored. Please provide information concerning this alternative including an economic analysis comparing construction of the proposed well versus connecting to SAWS. The costs of continuous monitoring for organic, inorganic and bacteriological contamination and proposed treatment for these contaminants if present should be considered in this analysis. The evaluation should be prepared, signed and sealed by a professional engineer licensed in the state of Texas.

The submittal consisted of an engineering summary. The proposed project consists of:

- One public water supply well drilled to 620 feet with 400 linear feet (l.f.) of 10-inch outside diameter (o.d.) pressure-cemented steel casing.
- The well will be open hole construction from 400 to 620 feet;
- The well is proposed to yield 70 to 100 g.p.m.

The Camp Stanley public water system provides water treatment for the system.

The well is proposed to be located on the Southeast corner of the property adjacent to the firing range.

Please refer to the Utilities Technical Review Team's Log No. P-11302011-126 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.



Mr. Kenneth M. Kuhr, P.E.  
Page 3  
February 6, 2012

<http://www.tceq.state.tx.us/assets/public/permitting/watersupply/ud/forms/10233.pdf>

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's homepage on the Internet at the following address:

[http://www.tceq.state.tx.us/permitting/water\\_supply/ud/planrev.html](http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html)

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.

If you have any questions please contact Deborah Helstrom at (512)239-6705 or by email at "deborah.helstrom@tceq.texas.gov" or by correspondence at the following address:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Deborah Helstrom, P.E.  
Utilities Technical Review Team, MC-159  
Plans and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



Ada Lichaa, P.G., Manager  
Plans and Technical Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

DH/av

Enclosure: "Public Well Completion Data Checklist for Interim Approval"

cc: **Camp Stanley, Attn: Paul Smith, Chief Logistics Division, 25800 Ralph Fair Road,  
Boerne, TX 78015**  
TCEQ Central Records PWS File 0150117  
TCEQ Region No.13 Office San Antonio



## Texas Commission on Environmental Quality

*Protecting Texas by Reducing and Preventing Pollution*

August 13, 2012

**Delivered Via Regular Mail** DWQ/DBP2/Site/Loc

US DEPARTMENT OF THE ARMY  
PAUL M SMITH  
25800 RALPH FAIR RD  
BOERNE, TX 78015-4877

*Client contacted  
TCEQ @ # on release -  
Will now monitor in building  
95 breakdown -  
Bldg 2934 WWTP  
has been demolished*

**Subject: Stage 2 Disinfection Byproducts Rule (DBP2), 30 TAC §290.115**  
DBP2 Site Assessment, Group Assessment and Site Confirmation  
CAMP STANLEY STORAGE ACTIVITY - PWSID: 0150117  
BEXAR County, TX

Attention: Public Water System Owner / Manager / Operator

The Stage 2 Disinfection Byproducts (DBP2) rule requires all community or non-transient non-community (NTNC) public water systems to monitor for disinfection byproducts (DBP), specifically total trihalomethanes (TTHM) and haloacetic acids group of 5 (HAA5). TTHM and HAA5 must be monitored at a specified number of sites and frequency based on the predominant water type, population served, and compliance history. Systems are scheduled to begin DBP2 compliance monitoring based on population and interconnections between systems.

### Sample Sites & Monitoring Frequency

According to Texas Commission on Environmental Quality (TCEQ) data, your community system serves groundwater (GW) to 145 people and is required to monitor at one sample site where historic high TTHM and HAA5 occurred at the same location. When historic high TTHM and HAA5 occur at different locations then two sites are required. Also, using water source type, population and compliance history data the TCEQ has determined that your system's reduced monitoring frequency is triennial.

Using your existing DBP data and data provided by your system, the TCEQ has identified the sites listed below for DBP2 monitoring.

TCEQ Site ID	Location	Monitoring Frequency
DBP2-01	BLDG 293A WWTP	triennial

### Begin Date

The TCEQ has determined your public water system is part of compliance Group 4 and must begin compliance monitoring on October 01, 2013. The TCEQ made this determination using data found in the Safe Drinking Water Information System (SDWIS) which indicates indicates your population is less than 10,000 or your system is interconnected with a system that serves less than 10,000 people.

### Sampling Cost

Beginning October 01, 2013, your estimated annual cost in the year sampling occurs for routine DBP2 monitoring is \$314. The TCEQ schedules chemical compliance samples that are collected by our contractor. Samples are delivered to either the Texas Department of State Health Services Bureau of Laboratories (512) 458-7317 or Lower Colorado River Authority Environmental Laboratory Service (512) 356-6022. As of February 24, 2012, analysis fees for TTHM and HAA5 are \$84.00 and \$230.00 respectively and are subject to change. Water systems are responsible for all associated lab fees.

### Reduced Monitoring

We have determined that your system qualifies for reduced monitoring by meeting the following requirements:

1. Received a Very Small System (VSS) or 40/30 waiver from Initial Distribution System Evaluation (IDSE) monitoring; and
2. Currently on triennial monitoring and each TTHM sample is less than 0.060 mg/L and each HAA5 sample is less than 0.045 mg/L at every site; and
3. Using the same monitoring locations under DBP2 as DBP1 (no new locations)

Please verify with your records that the site we have selected is where both your highest TTHM and HAA5 concentrations occur. If not, please contact us to identify an additional sample location. If so, no further action is required.

### Monitoring Plan

You are required to update your system's monitoring plan to reflect the compliance monitoring changes resulting from the DBP2 rule. Please use the information provided in this letter to make updates to your monitoring plan. Also, please attach a copy of this letter to your monitoring plan. All systems must update their monitoring plan and have it available for use by sample contractors and TCEQ investigators. Systems serving groundwater and/or purchased surface water are not required to submit updated monitoring plans to the TCEQ.

If you have questions regarding this letter, please contact Steven Swierenga with the Drinking Water Quality Team by email at [Steven.Swierenga@tceq.texas.gov](mailto:Steven.Swierenga@tceq.texas.gov) or by phone at (512) 239-6611. For general assistance on this or any other disinfectant byproduct rule questions you can contact any member of the Drinking Water Quality team through the DBP mail box at [DBP@tceq.texas.gov](mailto:DBP@tceq.texas.gov) or phone at (512)239-4691.

Sincerely,



Bob Patton, Jr., Section Manager  
Public Drinking Water Section (MC-155)  
Water Supply Division  
Texas Commission on Environmental Quality

cc: TCEQ Region 13





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

November 3, 2011

U-157-11

Vera Poe, PE Team Leader  
Utilities Technical Review Team, MC-159  
Plan and Groundwater Review Section  
Water Supply Division, TCEQ  
PO Box 13087 Austin, TX 78711-3087

SUBJECT: Well Log No. 200811-111; CN600126262; RN 100662840; Plan Review Log No.  
P-0620211-99 Camp Stanley Public Water System ID No 0150117

Dear Ms Poe:

I am writing to follow-up on the issue you indentified in our interim approval dated 23 June of concerns over secondary MCLs for iron and aluminum for our new well, CS-12. We conducted additional sampling on September 14 and October 11 and our new results are below secondary levels for aluminum and for iron. For that reason and the fact that water from this well provides only 20 - 25% of our total water in a combined system and we have tested a system distribution point and it is far under secondary MCLs, we hope that you will concur that the issue is resolved. We will conduct additional sampling of CS-12 for aluminum and iron in six months to verify the status.

To provide the full perspective, below is a summary of all the samples referencing iron and aluminum that we have collected to date at well CS-12. The secondary MCLs are 0.05 to 0.2 mg/l for aluminum and 0.3 mg/l for iron.

- Sample from Mar 25, 2009: 0.65 mg/l for aluminum and 0.44 mg/l for iron
- Sample from July 27, 2011: 0.19 mg/l for aluminum and 2.01 mg/l for iron
- Sample from Sep 14, 2011: nondetect for aluminum and 0.08 mg/l for iron
- Sample from Oct 11, 2011: nondetect for aluminum and 0.22 mg/l for iron \*preliminary result

We believe the extreme drought and resulting significantly lower aquifer level may be the cause of these issues and that once the drought breaks, this will no longer be an issue at all. It could alternatively just have been caused by well installation issues.

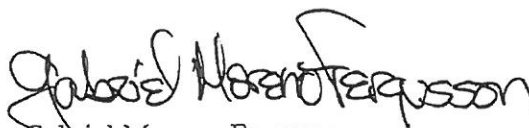
Water is blended from this well and two other wells into our drinking water system and we have not noticed a change in drinking water quality since well CS-12 was placed on line. From our pumping records since the well was put in service last summer, this has varied between 20 - 25% of total water pumped into our distribution system. On August 18, we sampled a point in our distribution system (one of our standard sampling points already used by TCEQ for water quality sampling) and the results were far below secondary MCLs:

- Sample from Aug 18, 2011: nondetect for aluminum and 0.07 mg/l for iron

Given that our follow-up samples are below secondary MCLs and that this well only represents 20 – 25% of water quantity in our water distribution and a system sample was under secondary MCLs, we believe this issue will not significantly detract from drinking water quality at Camp Stanley. We will conduct additional sampling of CS-12 for aluminum and iron in six months to verify the status.

If you have any questions concerning this letter, please contact me at (210) 698-5208.

Sincerely,

A handwritten signature in black ink that reads "Gabriel Moreno-Fergusson". The signature is written in a cursive, flowing style.

Gabriel Moreno-Fergusson  
Environmental Program Manager

Enclosures

Laboratory Results from 27 July 2011 Sample of Well CS-12

Laboratory Results from 18 August 2011 Sample in Distribution System

Laboratory Results from 14 September 2011 Sample of Well CS-12

Laboratory Results from 11 October 2011 Sample of Well CS-12

Bryan W. Shaw, Ph.D., *Chairman*  
Buddy Garcia, *Commissioner*  
Carlos Rubinstein, *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY <sup>PWS/0150117/CO</sup>

*Protecting Texas by Reducing and Preventing Pollution*

June 23, 2011

Mr. Eric J. Dawson, P.E.  
Parsons Infrastructure and Technology Group  
8000 Centre Park, Suite 200  
Austin, Texas 78754

Re: Camp Stanley - Public Water System ID No. 0150117  
Well CS12 Completion Data – Ref. Log No. 200811-111  
Engineer Contact Telephone: (512) 719-6029  
Plan Review Log No. P-06202011-099  
Bexar County, Texas

CN600126262; RN100662840

Dear Mr. Dawson:

On June 20, 2011, the Texas Commission on Environmental Quality (TCEQ) received well completion data for the above referenced public water system. Based on the review of submitted planning material; the constructed well is approved for **interim** use and may now be **temporarily** placed into service. The project generally meets the **minimum** requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 except the following:

- The chemical analysis report submitted shows that the concentration of **Aluminum (0.65 mg/l)** and **Iron (0.44 mg/l)** **exceeds** the secondary constituent levels. Water that does not meet the secondary levels may not be used for public drinking water without written approval from the executive director.[Title 30 TAC Section 290.118(a)]

The preliminary chemical samples collected by the water system or their contractor are for **interim approval** only. For final approval prior to the new well being placed into permanent service the following conditions must be met:

1. The water system must contact the **TCEQ's Drinking Water Quality Team in Austin at 512/239-4691** to arrange for the collection of the official chemical samples which must be completed within 120 days from the date of this letter.
2. The results of the official chemical analysis of these samples will be used to conduct a vulnerability assessment, develop a chemical monitoring plan and grant final approval for the new source.

Mr. Eric J. Dawson, P.E.

Page 2

June 23, 2011

3. If official chemical analysis testing confirms that a regulated constituent does not meet secondary contaminant levels, you must obtain **written approval from the executive director** to use your well for public drinking water; and,
4. Additional treatment, blending, or public notice may be required. The Drinking Water Quality Team will notify the water system of any additional special requirements for this public water supply source. Plans for water treatment must be reviewed and approved by the Utilities Technical Review Team.

The well completion data consisted of the following:

- State of Texas Well Report;
- Material setting and cementing data;
- Pumping test results showing average production at 63.5 gallons per minute (gpm);
- A copy of recorded deed and map showing ownership within 150 feet of the well;
- U. S. Geological Survey 7.5 minute map showing the well location;
- Three bacteriological sampling results showing no coliform contamination; and
- Chemical and radionuclide analysis results (commercial lab).

The well completion data describes construction of the following:

- One public water supply open hole well drilled to 422 feet with 149 linear feet (l.f.) of 10<sup>3</sup>/<sub>4</sub>-inch outside diameter pressure-cemented steel casing; the well yield is 63.5 g.p.m. with a 20 horsepower, 14-stage submersible pump. The design capacity of the pump is 63.5 g.p.m. at 780 feet total dynamic head;

Well No. CS-12 is located approximately 3/4-mile northeast from the intersection of Farm-to-Market Road 3351 and East Outer Drive.

The well was approved for construction in our December 29, 2008 letter (Plan Review Log No. 200811-111).

Since it appears that this well is drilled into a hydrogeologically sensitive aquifer or has been deemed, by its location to be susceptible to fecal contamination, we will require the utility to submit a raw water sample for bacteriological analysis each month for the first twelve months of operation. We will require these samples besides the routine monthly distribution samples. The raw water samples must be collected directly from the wellhead before the point of disinfection. The public water system must keep the sample reports with their records for review by TCEQ personnel upon request. If these samples suggest additional treatment or testing is necessary, TCEQ will notify the public water system.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to the TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on our website at the address shown below.

Mr. Eric J. Dawson, P.E.  
Page 3  
June 23, 2011

<http://www.tceq.state.tx.us/assets/public/permitting/watersupply/ud/forms/10233.pdf>

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's website at the following address:

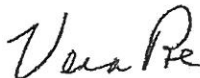
[http://www.tceq.state.tx.us/permitting/water\\_supply/ud/planrev.html](http://www.tceq.state.tx.us/permitting/water_supply/ud/planrev.html)

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.

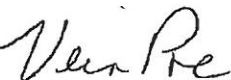
If you have any questions concerning this project, please contact Pritesh Tripathi at (512)239-3794 or by email at "pritesh.tripathi@tceq.texas.gov" or by correspondences at the following address:

Utilities Technical Review Team, MC-159  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

Sincerely,



Vera Poe, P.E., Team Leader  
Utilities Technical Review Team, MC-159  
Plan and Groundwater Review Section  
Water Supply Division  
Texas Commission on Environmental Quality



for Ada Lichaa, P.G., Manager  
Plan and Groundwater Review Section  
Water Supply Division  
Texas Commission on Environmental Quality

PT/VP/AL/av

cc: Camp Stanley - Attn: Paul Smith, Chief - Logistics Division, 25800 Ralph fair Road,  
Boerne, Texas 78015  
TCEQ Central Records PWS File 0150117  
TCEQ Region No. 13 Office - San Antonio  
TCEQ Public Drinking Water - Vulnerability Assessment (w/enclosures)  
TCEQ Public Drinking Water - Attn: John Schildwachter MC-155  
TCEQ Public Drinking Water - Attn: Alicia C. Diehl, Ph.D., EIT MC-155



**APPENDIX C**  
**LEAD-COPPER SAMPLING REQUIREMENTS**



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

(Public Water System (PWS) to fill out – please print in CAPS)

PWS ID #	TX0150117			
PWS NAME:	Camp Stanley Storage Activity		PAGES SUBMITTED:	1
PWS PHONE:	210-295-7320		PWS EMAIL:	env@cssamma.com
PWS CERTIFIED OPERATOR NAME:	Gabriel Moreno-Fergusson		MONITORING PERIOD	<input checked="" type="checkbox"/> 2015 6M1 <input type="checkbox"/> 2015 6M2 <input type="checkbox"/> 2015 YR <input type="checkbox"/> 2015 3YR <input type="checkbox"/> 2015 9YR
			1 Jan 2015 – 30 June 2015	

**IMPORTANT:** THIS FORM MUST ACCOMPANY THE SAMPLE BOTTLES WHEN THEY ARE SENT TO A LABORATORY. SAMPLES EXPIRE 14 DAYS AFTER COLLECTION. THE LABORATORY IS INSTRUCTED TO REJECT INCOMPLETE FORMS.

(PWS to fill out – please print in CAPS. Use as many forms as necessary to match bottle collection numbers. Further instructions on back)

SAMPLE POINT ID	SAMPLE SITE LOCATION (location and inside sink)	WATER LAST USED DATE (MMDDYY)	WATER LAST USED TIME (HHMM)	SAMPLE COLLECTED DATE (MMDDYY)	SAMPLE COLLECTED TIME (HHMM)	DATE SUBMITTED TO LAB (MMDDYY)	Bottle Size 1 Liter Y=yes N=no
LCR001 (Example)	5933 Miracle Springs Dr / Kitchen Sink (address must match what is in Drinking Water Watch, Site Selection Form and Monitoring Plan)	06/24/2015	0900	06/24/2015	1800	06/26/2015	Y
LCR002	Bldg. 44 Kitchen	03/30/2015	1630	03/31/2015	0720	04/02/2015	Y
LCR003	Bldg. 606 Kitchen	03/30/2015	1630	03/31/2015	0545	04/02/2015	Y
LCR005	Bldg. 95 Kitchen	03/30/2015	1600	03/31/2015	0600	04/02/2015	Y
LCR012	Bldg. 73 Kitchen	03/30/2015	1630	03/31/2015	0550	04/02/2015	Y
LCR011	Bldg. 210 Kitchen	03/30/2015	1600	03/31/2015	0700	04/02/2015	Y
LCR006	Bldg. 45 Kitchen	04/01/2015	1600	04/02/2015	0700	04/02/2015	Y
LCR007	Bldg. 601 Kitchen	04/01/2015	1600	04/02/2015	0710	04/02/2015	Y
LCR008	Bldg. 1 Kitchen	04/01/2015	1600	04/02/2015	0635	04/02/2015	Y
LCR009	Bldg. 92 Kitchen	04/01/2015	1600	04/02/2015	0700	04/02/2015	Y
LCR010	Bldg. 603 Kitchen	04/01/2015	1600	04/02/2015	0630	04/02/2015	Y



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

I acknowledge that the information on this form is true and correct and sites selected for sampling following the PWS Monitoring Plan and that the TCEQ Form 20467 Site Selection and Materials Survey has been filled out and sent in to TCEQ for approval prior to sampling.

Refusing to sign and comply with sampling protocols as outlined in the following instructions or on this form will result in monitoring and reporting violation(s), possible enforcement, and fines.

*Jabozis/Karen Ferguson*  
Signature Name

04/02/2015  
Date

**INSTRUCTIONS**

**PWS ID:** Water System identification number  
**PWS Name:** Name of water system  
**PWS Phone:** Phone number of water system  
**PWS Certified Operator:** Certified Operator or Responsible Person who either took samples or is responsible for the samples  
**Pages Submitted:** The # of pages of LCR/site location/ addresses you are including with bottles. Each page has 10 address possibilities.  
**PWS Email:** System email for communication purposes  
**Monitoring Period:** System's monitoring period 6M, 1 year, 3 year, or 9 year. <http://dww.tceq.state.tx.us/DWW/> under Sample Schedules left yellow column. Scroll down to find PBCU schedules – looks like 5/RT 3YR followed by a year (2015).

**Sample Point ID:**

Texas Drinking Water Watch – Sample Points – LCR numbers are addresses and numbers we currently have on file for the PWS. <http://dww.tceq.state.tx.us/DWW/> . Enter the Water System No. Click on the water system number in blue. Click on Sample Points found in yellow left column. Scroll the page down until you see LCRO01, LCRO02, LCRO03, etc. These numbers are to be added to the front page. Each LCRO01 has its own address and can't be changed once an address/location has been assigned to it.

*Every system is required to update their PWS Monitoring Plan/Site Selection Form by completing TCEQ Form 20467 **prior to sampling**. The sampling pool requirements found in Title 30 Texas Administrative Code (30 TAC) §290.117(c) discuss the different Tiers associated with the Lead and Copper Rule Tap Sampling.*

***Example: You have a population of 560 people and are on reduced sampling. You should have 20 LCR numbers and addresses = 10 as routine sample sites and 10 listed as backup sampling sites. This is your sampling pool. Complete TCEQ Form 20467 and send them in prior to sampling. TCEQ will update your Monitoring Plan at the same time. If you go out to sample and find that LCRO03 does not want to participate this year, you have 10 other pre-approved sites to pull from LCRO11 – LCRO20. You are not allowed to swap out a new address with an old LCRO03. You must have a new address with a new LCR number. Call if you still have questions.***

**Sample Site Location/Address:**

See above = the site location/address goes with a LCRO01 number and is not swapped out at any time. Site location/addresses should be in Tiers according to the years and types of plumbing materials. It is required to use Tier 1 first, followed by Tier 2, followed by Tier 3, and finally – “other”. (30 TAC) §290.117(c)

**Water Last Used Date:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Water Last Used Time:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Collection Date:** The date sample was collected by PWS or homeowner. Please use MM/DD/YY format.

**Collection Time:** The time sample was collected by PWS or homeowner. Please use 24 hour clock when reporting HH/MM.

**Date Submitted to Lab:** The date bottles were hand-delivered or overnighted to lab. Please use MM/DD/YY format.

**Bottle Size:** According to regulations, lead and copper samples shall be taken in One Liter bottles only. Please verify this is true or not.



**From:** [Gabriel Moreno-Fergusson](#)  
**To:** "Ken Quinney"  
**Subject:** RE: Lead in Drinking Water - PWS ID# TX0150117  
**Date:** Thursday, September 18, 2014 9:31:40 AM  
**Attachments:** [lead in water.pdf](#)

---

Sir,

Per your request, here is the change of address for Building 91N. Thank you very much for your help.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

---

**From:** Ken Quinney [mailto:Ken.Quinney@tceq.texas.gov]  
**Sent:** Wednesday, September 17, 2014 1:11 PM  
**To:** Gabriel Moreno-Fergusson  
**Subject:** RE: Lead in Drinking Water - PWS ID# TX0150117

Ken Quinney  
Natural Resource Specialist  
University of Texas – Arlington Contractor Texas Commission on Environmental Quality (TCEQ)  
512-239-6706  
FAX: 512-239-6050  
[Ken.Quinney@tceq.texas.gov](mailto:Ken.Quinney@tceq.texas.gov)  
Drinking Water Watch: <http://dww.tceq.state.tx.us/DWW/>

---

**From:** Gabriel Moreno-Fergusson [<mailto:morenog@cssamma.com>]  
**Sent:** Wednesday, September 17, 2014 12:44 PM  
**To:** Ken Quinney  
**Cc:** Andrew Nidoh; 'Elliott, Samantha'; 'Pearson, William Scott'; 'Shirley, Jason D CIV USARMY JMC (US)'; Julie Burdey; Brenda Shirley  
**Subject:** Lead in Drinking Water - PWS ID# TX0150117

Good Afternoon Sir,

This is to notify you that we noticed yesterday that an exceedance of the Action Level for lead has occurred for the second time at Building 201 in our site and it has been posted in the TCEQ web site. We have not received the hardcopies from the laboratory yet (that is why they are not attached.) Attached is the notification that we have posted in our internal intranet site. Tomorrow,

all the pipe and solder associated with the installation of a water flow meter installed in May will be removed and the solder will be replaced with silver solder. We are installing brand new pipe at that site to eliminate the source of this contamination. We have provided a Culligan water filtration system that remove all metals from the drinking water and I will be posting "Do Not Drink From the Faucets" signs in the latrine. In near future, this building will not be utilized as a new replacement facility is currently under construction. I will be submitting an official follow-on letter to your office once all the remedial actions have been taken (it should be there by next Friday.) Please contact me if you have any questions.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

**From:** [Gabriel Moreno-Fergusson](#)  
**To:** "Ken Quinney"  
**Cc:** "Elliott, Samantha"; "Pearson, William Scott"; Julie Burdey  
**Subject:** RE: Lead in Drinking Water - PWS ID# TX0150117  
**Date:** Thursday, September 18, 2014 8:43:36 AM  
**Attachments:** [lead copper change sample poin.pdf](#)

---

Good Morning Sir,

Attached is the proposed new location, sample pool selection, and map showing our system and the location of the sampling points. Please let me know if you have any questions.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

---

**From:** Ken Quinney [mailto:Ken.Quinney@tceq.texas.gov]  
**Sent:** Wednesday, September 17, 2014 1:11 PM  
**To:** Gabriel Moreno-Fergusson  
**Subject:** RE: Lead in Drinking Water - PWS ID# TX0150117

Ken Quinney  
Natural Resource Specialist  
University of Texas – Arlington Contractor Texas Commission on Environmental  
Quality (TCEQ)  
512-239-6706  
FAX: 512-239-6050  
[Ken.Quinney@tceq.texas.gov](mailto:Ken.Quinney@tceq.texas.gov)  
Drinking Water Watch: <http://dww.tceq.state.tx.us/DWW/>

---

**From:** Gabriel Moreno-Fergusson [mailto:morenog@cssamma.com]  
**Sent:** Wednesday, September 17, 2014 12:44 PM  
**To:** Ken Quinney  
**Cc:** Andrew Nidoh; 'Elliott, Samantha'; 'Pearson, William Scott'; 'Shirley, Jason D CIV USARMY JMC (US)'; Julie Burdey; Brenda Shirley  
**Subject:** Lead in Drinking Water - PWS ID# TX0150117

Good Afternoon Sir,

This is to notify you that we noticed yesterday that an exceedance of the Action Level for lead has occurred for the second time at Building 201 in our site and it has been posted in the TCEQ web site. We have not received the hardcopies from the laboratory yet (that is why they are not attached.) Attached is the notification that we have posted in our internal intranet site. Tomorrow,

all the pipe and solder associated with the installation of a water flow meter installed in May will be removed and the solder will be replaced with silver solder. We are installing brand new pipe at that site to eliminate the source of this contamination. We have provided a Culligan water filtration system that remove all metals from the drinking water and I will be posting "Do Not Drink From the Faucets" signs in the latrine. In near future, this building will not be utilized as a new replacement facility is currently under construction. I will be submitting an official follow-on letter to your office once all the remedial actions have been taken (it should be there by next Friday.) Please contact me if you have any questions.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320





**Lead and Copper**  
**Change in Sampling Sites TCEQ Form 20697**  
Texas Commission on Environmental Quality

PWS ID #: TX 0150117 DATE: 09/18/14

PWS NAME: Camp Stanley Storage Activity

Original site address:

Building 91N Kitchen  
\_\_\_\_\_  
\_\_\_\_\_

New site address:

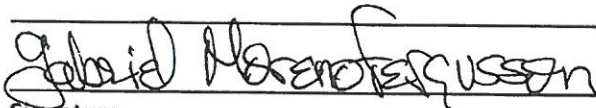
Building 210 Kitchen  
\_\_\_\_\_  
\_\_\_\_\_

Distance between sites (approximately): 200 feet

Tier New: OTHER Tier Old: OTHER

Reason for change (attach additional pages such as maps, pictures, etc. if necessary):

Building 91N was converted from a shop area to a warehouse. The kitchen and sinks were  
taken out so there is no location for sampling in this building  
\_\_\_\_\_  
\_\_\_\_\_



Signature

GABRIEL MORENO-FERGUSSON ENVIRONMENTAL MANAGER 09/18/14  
Printed Name Title Date

Texas Commission on Environmental Quality  
Office of Water, Water Supply Division, Public Drinking Water Section  
Lead and Copper Program, MC155 P.O. Box 13087  
Austin, TX 78711-3087 - Fax: 512-239-6050

For *Texas Drinking Water* results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>



**Lead and Copper**  
**Change in Sampling Sites TCEQ Form 20697**  
Texas Commission on Environmental Quality

PWS ID #: TX 0150117 DATE: 09/07/14

PWS NAME: Camp Stanley Storage Activity

Original site address:

25800 Ralph Fair Road, Boerne, TX 78015 Building 201 Utility

New site address:

Building 73 Kitchen

Distance between sites (approximately): 1 Mile

Tier New: OTHER Tier Old: OTHER

Reason for change (attach additional pages such as maps, pictures, etc. if necessary):  
Building 201 will no longer be occupied as a new facility is being constructed at this time.

Building 73 is selected as it is the only other building that is occupied and does not house 24/7 operations. (see attached Map and Tier Selection Sheet)



Signature

GABRIEL MORENO-FERGUSON ENVIRONMENTAL MANAGER 09/18/14

Printed Name

Title

Date

Texas Commission on Environmental Quality  
Office of Water, Water Supply Division, Public Drinking Water Section  
Lead and Copper Program, MC155 P.O. Box 13087  
Austin, TX 78711-3087 - Fax: 512-239-6050

For **Texas Drinking Water** results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
LEAD/COPPER SAMPLE SITE SELECTION POOL FORM FORM 20467

THE NUMBER OF SAMPLE SITES REQUIRED IS BASED ON POPULATION AND CAN BE FOUND IN THE INSTRUCTIONS. PLEASE READ THE INSTRUCTION SHEET BEFORE COMPLETING THIS FORM.

PWS ID: TX0150117 SYSTEM TYPE:  CWS  NTNC

SYSTEM NAME: Camp Stanley Storage Activity POPULATION:  >100,000

ADDRESS: 25800 Ralph Fair Road, Boerne, TX 78015  10,001 to 100,000

CONTACT PERSON: Gabriel Moreno-Fergusson  3,301 to 10,000

PHONE NUMBER: (210)295-7320  501 to 3,300

EMAIL ADDRESS: env@cssamma.com  101 to 500

≤ 100

**SAMPLE SITE CATEGORIES**

Systems must pick as many Tier 1 sites as possible before using Tier 2 sites. If there are insufficient Tier 2 sites, Tier 3 sites may be used. If there are insufficient Tier 1, 2 or 3 sites, the sampling pool may be completed using non-tier sites. If it is not known whether lead is present in the plumbing, the site should be designated as a non-tier site. The SDWA lead ban requiring the use of "lead-free" plumbing for drinking water took effect in 1988: buildings constructed after this date would not legally contain lead solder.

<b>TIER 1</b>	For Community Water Systems (CWS), it is single family structure that contains lead pipes or copper pipes with lead solder and/or is served by lead service lines installed after 1982.	# of Sites _____
	For Non-Transient Non-Community Systems (NTNCWS), it is buildings that contain copper pipes with lead solder installed after 1982 and/or served by lead service lines.	# of Sites _____
<b>TIER 2</b>	For CWS, it is a building or multiple-family residences that contain lead pipes or copper pipes with lead solder installed after 1982, and/or is served by lead service lines.	# of Sites _____
	For NTNCWS, it is buildings that contain copper pipes with lead solder installed before 1983.	# of Sites _____
<b>TIER 3</b>	Applies to CWS Only. Single family structures that contain copper pipes with lead solder installed before 1983.	# of Sites _____
<b>OTHER</b>	Sites not defined by Tiers 1 – 2 or 3: explain: <u>All of our residences have water softeners, therefore we have to use office and warehouse facilities to meet the TCEQ requirements.</u> _____ _____	# of Sites <u>5</u>
		<b>TOTAL # OF SITES</b> <u>5</u>





**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
LEAD/COPPER SAMPLE SITE POOL SELECTION FORM**

PWS NUMBER: TX0150117

Make sure you include all regular and backup sites and make as many pages as you need.

No	Site Name	Tier 1, 2, 3, Other	(R)egular sample sites or (B)ack-up site	Type of Plumbing Material	Date of Construction
1	Building 201 Utility	Other	DEACTIVATED	Copper and Galvanized	1973
2	Building 44 Kitchen	Other	(R)	Copper and Galvanized	1943
3	Building 606 Kitchen	Other	(R)	Copper	2007
4	Building 91N	Other	DEACTIVATED	Copper	1943
5	Building 95 Kitchen	Other	(R)	Copper	2010
6	Building 45 Kitchen	Other	(B)	Copper and Galvanized	1943
7	Building 601 Kitchen	Other	(B)	Copper	2007
8	Building 1 Kitchen	Other	(B)	Copper	1943
9	Building 92 Kitchen	Other	(B)	Copper	1945
10	Building 603 Kitchen	Other	(B)	Copper	2007
11	Building 210 Kitchen	Other	(R)	Copper	2011
12	Building 73 Kitchen	Other	(R)	Copper	1948
13					
14					
15					
16					
17					
18					
19					
20					

*I have verified and certify* that all sites from which lead and copper tap samples are collected shall be selected from a pool of targeted Tier 1, 2, 3, or "other" sample sites. Sample sites selected are representative of the distribution system and specifically represent areas of the systems most vulnerable to corrosion of lead and copper in water.

Signature: Gabriel Morent-Ferguson Date: 09/18/14  
 Printed Name: GABRIEL MORENT-FERGUSON Title: Environmental Manager



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
INSTRUCTIONS FOR SELECTING LEAD/COPPER SAMPLING SITES**

The objective when selecting sampling sites is to choose sites with interior plumbing materials of lead and/or copper, if possible. These types of sites are categorized on the Lead/Copper Sample Site Selection Form (SSF) from highest to lowest risk (#1-Other) based on their likelihood to leach lead and/or copper into the drinking water.

Identify a sample pool consisting of sites that fit in the highest category (ies) as possible (closest to #1). For example, search first for sites that meet the description in Categories #1 or #2 on the Form. If you can't find sites that fit in either of these categories, then try to find sites that fit in Categories #3. If you can't find any sites that fit in Categories #1-3, then all of your sampling sites will go in Category Other.

You must list the type of plumbing material and the date of construction for each site you put in Category #4.

Your Sampling Pool should include all identified sites EQUAL to the number of sites your system is required to sample during standard or initial monitoring. This is true for all systems on initial or reduced monitoring.

**Example: Selecting Tier Sites and Sampling Pool**

- A PWS serves 3,301 to 10,000 people and is on reduced monitoring
- It is required to have a pre-approved sampling pool of 40 sites of which to sample from
- If your sampling pool needs updating, please use the site selection form and materials evaluation survey form to help identify the 40 sites. Turn it into TCEQ for approval.
- Identify which sites are "normal" sites and which sites are "reserved for back-up" sites
- Your Monitoring Plan will be updated at the same time your sampling pool is updated – keep a copy in your records.
- Your normal tap water sampling is 20 sites on reduced monitoring. Make sure in advance that your customers want to participate.
- Bottles arrive and sampling begins.

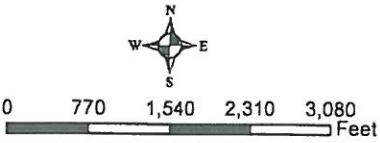
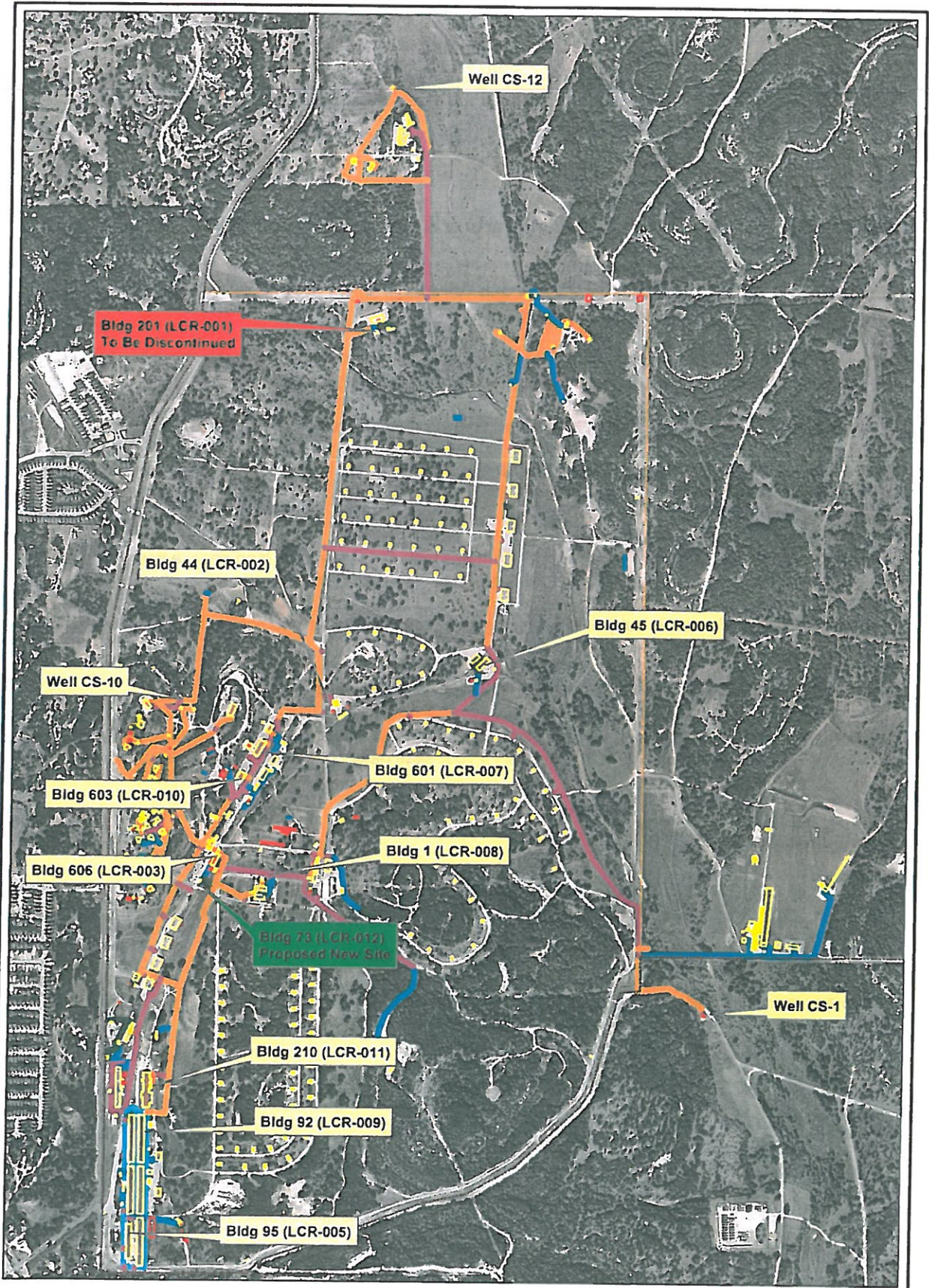
**Number of Sampling Sites Required for Standard / Initial Monitoring**

System Size	System Population	Number of PBCU sample sites
Large	>100K	100
	50,001 – 100K	60
Medium	10,000 – 50K	60
	3,301 – 10,000	40
Small	501 – 3,300	20
	101 -500	10
	< 100	5

**Number of Sampling Sites Required for Routine / Reduced Monitoring**

System Size	System Population	Number of PBCU sample sites
Large	>100K	50
	50,001 – 100K	30
Medium	10,000 – 50K	30
	3,301 – 10,000	20
Small	501 – 3,300	10
	101 -500	5
	< 100	5





**Figure 1**  
 Water Utilities & LCR Sampling Points  
 Camp Stanley Storage Activity  
 Environmental Management



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**INSTRUCTIONS FOR SELECTING LEAD/COPPER SAMPLING SITES**

**ADDITIONAL GUIDELINES WHEN SAMPLING TAP WATER MONITORING**

1. When a sufficient number of Tier 1 sites do not exist or are inaccessible, you must complete your sample pool with Tier 2 sites.
2. For CWSs, when a sufficient number of Tier 1 and Tier 2 sites do not exist or are inaccessible, you must complete your sampling pool with Tier 3 sites.
3. Any water system that cannot complete its sampling at sites that meet the applicable tier criteria must complete sampling at representative sites throughout the distribution system.
4. You are not required to target buildings with lead solder installed after the 1988 Texas Lead ban.
5. You should not monitor at sampling sites that have water softeners; however, if all of your available sampling sites have water softeners, you should identify the highest risk sites (Tier 1) and monitor at those locations kitchen or bathroom sinks.
6. If you are not able to draw at least half of your samples from taps served by lead service lines, you must collect a sample from each available site that is serviced by a lead service line.
7. If you have lead service lines, but you have lead goosenecks or pigtails, you can collect tap water samples at the sites with the goosenecks and/or pigtails.
8. You should not sample at sites with point of use devices or point of entry devices.
9. Once monitoring begins, you must use the same sites, unless a site is no longer accessible to you or no longer fits the requirements of a priority site. If your sites have changes you must update your sampling pool.

Return the form to:

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**PUBLIC DRINKING WATER – LEAD/COPPER PROGRAM - MC 155**  
**P.O. BOX 13087**  
**AUSTIN, TEXAS 78711-3087**

If you have any questions, please call the Lead/Copper Program at Phone: 512/239-4691. Fax: 512/239-6050



**From:** [Ken Quinney](#)  
**To:** [Gabriel Moreno-Fergusson](#)  
**Subject:** RE: Lead in Drinking Water - PWS ID# TX0150117  
**Date:** Wednesday, September 17, 2014 1:11:16 PM  
**Attachments:** [TCEQ Form 20697 Address Change.docx](#)

---

Ken Quinney  
Natural Resource Specialist  
University of Texas – Arlington Contractor Texas Commission on Environmental  
Quality (TCEQ)  
512-239-6706  
FAX: 512-239-6050  
[Ken.Quinney@tceq.texas.gov](mailto:Ken.Quinney@tceq.texas.gov)  
Drinking Water Watch: <http://dww.tceq.state.tx.us/DWWW/>

---

**From:** Gabriel Moreno-Fergusson [mailto:[morenog@cssamma.com](mailto:morenog@cssamma.com)]  
**Sent:** Wednesday, September 17, 2014 12:44 PM  
**To:** Ken Quinney  
**Cc:** Andrew Nidoh; 'Elliott, Samantha'; 'Pearson, William Scott'; 'Shirley, Jason D CIV USARMY JMC (US)'; Julie Burdey; Brenda Shirley  
**Subject:** Lead in Drinking Water - PWS ID# TX0150117

Good Afternoon Sir,

This is to notify you that we noticed yesterday that an exceedance of the Action Level for lead has occurred for the second time at Building 201 in our site and it has been posted in the TCEQ web site. We have not received the hardcopies from the laboratory yet (that is why they are not attached.) Attached is the notification that we have posted in our internal intranet site. Tomorrow, all the pipe and solder associated with the installation of a water flow meter installed in May will be removed and the solder will be replaced with silver solder. We are installing brand new pipe at that site to eliminate the source of this contamination. We have provided a Culligan water filtration system that remove all metals from the drinking water and I will be posting "Do Not Drink From the Faucets" signs in the latrine. In near future, this building will not be utilized as a new replacement facility is currently under construction. I will be submitting an official follow-on letter to your office once all the remedial actions have been taken (it should be there by next Friday.) Please contact me if you have any questions.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

**From:** [Gabriel Moreno-Fergusson](#)  
**To:** [Ken.Quinney@tceq.texas.gov](mailto:Ken.Quinney@tceq.texas.gov)  
**Cc:** [Andrew Nidoh](#); ["Elliott, Samantha"](#); ["Pearson, William Scott"](#); ["Shirley, Jason D CIV USARMY JMC \(US\)"](#); [Julie Burdey](#); [Brenda Shirley](#)  
**Subject:** Lead in Drinking Water - PWS ID# TX0150117  
**Date:** Wednesday, September 17, 2014 12:44:03 PM  
**Attachments:** [lead in water.pdf](#)

---

Good Afternoon Sir,

This is to notify you that we noticed yesterday that an exceedance of the Action Level for lead has occurred for the second time at Building 201 in our site and it has been posted in the TCEQ web site. We have not received the hardcopies from the laboratory yet (that is why they are not attached.) Attached is the notification that we have posted in our internal intranet site. Tomorrow, all the pipe and solder associated with the installation of a water flow meter installed in May will be removed and the solder will be replaced with silver solder. We are installing brand new pipe at that site to eliminate the source of this contamination. We have provided a Culligan water filtration system that remove all metals from the drinking water and I will be posting "Do Not Drink From the Faucets" signs in the latrine. In near future, this building will not be utilized as a new replacement facility is currently under construction. I will be submitting an official follow-on letter to your office once all the remedial actions have been taken (it should be there by next Friday.) Please contact me if you have any questions.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

**From:** [Gabriel Moreno-Fergusson](#)  
**To:** [Andrew Nidoh](#)  
**Cc:** "[Elliott, Samantha](#)"; "[Pearson, William Scott](#)"; [Brenda Shirley](#); [Julie Burdey](#); "[Bouch, Julie](#)"  
**Subject:** TX0150117 Lead and Copper Rule Sample Results  
**Date:** Tuesday, September 16, 2014 12:34:24 PM

---

Good Afternoon Andrew,

As you recall we had a conversation on the 4<sup>th</sup> of June regarding water samples at Camp Stanley Storage Activity Building 201. The piping in this building was solder using a "lead-free solder" that was not so lead free. It had at least 8% lead in the contents. We just finished resampling last month and the result still over the action level. We have notified all of the affected employees and the rest of the Camp of this situation. Also, I have contacted the plumber who did the installation of the meter to come and remove the piping and the solder and replace it using silver soldering. This building will not be operational coming up in December as its replacement is currently under construction and soon after the relocation is complete it should be demolished. Once the piping and the solder are replaced, I would like to sample this site again to ensure compliance. We have sample all of our entry points and they are negative for lead. All of the other facilities are negative for it too. Please, if you could tell me what do I need to do next, I will go ahead and do it. Thank you for your attention.

V/R

Gabe

---

GABRIEL MORENO-FERGUSSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

**From:** [Andrew Nidoh](#)  
**To:** [Gabriel Moreno-Fergusson](#)  
**Cc:** ["Elliott, Samantha"](#); ["Pearson, William Scott"](#); [Brenda Shirley](#); [Julie Burdey](#); ["Bouch, Julie"](#)  
**Subject:** RE: TX0150117 Lead and Copper Rule Sample Results  
**Date:** Tuesday, September 16, 2014 3:45:11 PM

---

Hello Gabe,

First of all I will say if there are any questions about exceeding an action level or what the system should be doing you should contact Ken Quinney at either (512)239-6706 or [Ken.Quinney@tceq.texas.gov](mailto:Ken.Quinney@tceq.texas.gov). In terms of tap lead and copper sampling we currently have the system scheduled to sample 5 sites between January through June 30<sup>th</sup> of 2015 to complete the two back-to-back rounds of initial monitoring. Just remember to turn in your Lead Consumer Notice from the August sampling within the required timeframe and I believe you should be on your way back towards compliance.

Kind Regards,

Andrew Nidoh  
Natural Resource Specialist  
Drinking Water Quality Team  
Texas Commission on Environmental Quality  
University of Texas-Arlington Contractor  
Phone: (512) 239-4611  
Fax: (512) 239-6050  
E-Mail: [Andrew.Nidoh@tceq.texas.gov](mailto:Andrew.Nidoh@tceq.texas.gov)  
Drinking Water Watch: <http://dww.tceq.state.tx.us/DWW/>

---

**From:** Gabriel Moreno-Fergusson [mailto:[morenog@cssamma.com](mailto:morenog@cssamma.com)]  
**Sent:** Tuesday, September 16, 2014 12:34 PM  
**To:** Andrew Nidoh  
**Cc:** 'Elliott, Samantha'; 'Pearson, William Scott'; Brenda Shirley; Julie Burdey; 'Bouch, Julie'  
**Subject:** TX0150117 Lead and Copper Rule Sample Results

Good Afternoon Andrew,

As you recall we had a conversation on the 4<sup>th</sup> of June regarding water samples at Camp Stanley Storage Activity Building 201. The piping in this building was solder using a "lead-free solder" that was no so lead free. It had at least 8% lead in the contents. We just finished resampling last month and the result still over the action level. We have notified all of the affected employees and the rest of the Camp of this situation. Also, I have contacted the plumber who did the installation of the meter to come and remove the piping and the solder and replace it using silver soldering. This building will not be operational coming up in December as its replacement is currently under construction and soon after the relocation is complete it should be demolished. Once the piping and the solder are replaced, I would like to sample this site again to ensure compliance. We have



sample all of our entry points and they are negative for lead. All of the other facilities are negative for it too. Please, if you could tell me what do I need to do next, I will go ahead and do it. Thank you for your attention.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

August 17, 2014 Lead Consumer Notice



# Lead in Drinking Water



## **IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER**

Camp Stanley Storage Activity has found continuous elevated levels of lead in the drinking water at building 201 (Ammo Surveillance Break room.) Lead can cause serious health problems, especially for pregnant women and children under 6 years of age and younger. Please read the following notice posted under "Public Notice to Customers" found in the CSSA Intranet. It has special information to see what you can do to reduce the lead in your drinking water and to learn what Camp Stanley Environmental is doing to address and eliminate the source of this problem.

**DO NOT DRINK WATER OUT OF THE FAUCETS IN THE BATHROOM OF BUILDING 201. ONLY DRINK WATER FROM THE WATER COOLER PROVIDED IN THE BREAK ROOM. IT IS EQUIPPED WITH FILTERS THAT ELIMINATE THE LEAD IN THE WATER. THE SOURCE OF THE LEAD IS BEING REMOVED OUT OF THIS FACILITY DURING THE WEEK OF 17 SEPTEMBER 2014.**

If you have any questions or any concerns, please call Gabriel Moreno-Fergusson at 210-295-7453 or visit us in building 606 for more information.



PWS/0150117 /CO/

## Lead Consumer Notice (CN) TCEQ Form 20680

Texas Commission on Environmental Quality

PWS ID #: TX 0150117 DATE: 08/17/2014

PWS NAME: Camp Stanley Storage Activity

### ANALYTICAL RESULT FOR LEAD TAP WATER MONITORING

Our public water supply system is required to periodically collect tap water samples to determine the lead levels in our system. Your residence was selected for this monitoring as part of our system's sampling plan. This notice is provided to you with the analytical results of the tap water sample collected at your home.

Sample address: 25800 Ralph Fair Road, Boerne, TX 78015

Sample collection date: 08/28/2014

Analytical Lead result, in mg/L (milligrams per liter): 0.023 mg/L

#### Definitions

*Action Level (AL):* The action level is a concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a public water system must follow. The lead action level is 0.015 mg/L.

#### What are the health effects of lead and how can I reduce my exposure?

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. **Camp Stanley** is responsible for providing drinking water that meets all federal and state standards, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water and using only cold water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. When replacing your bathroom or kitchen faucet, consider a "lead-free" faucet that meets NSF/ANSI Standard 61 Annex G, which is less than 0.25% lead by weight.

#### Who can I contact at my water system for more information?

Phone number at our public water supply system: (210)295-7320

E-mail address at our public water supply system: [Env@cssamma.com](mailto:Env@cssamma.com)





PWS/0150117/CO/

### Lead Consumer Notice (CN) Certification Form

PWS ID #: TX 0150117

PWS NAME: Camp Stanley Storage Activity

Monitoring Period to which the notice applies: 2014 Year

Date(s) results were received from laboratory: 09/16/2014

Date(s) results were provided to consumers: 09/17/2014

The water system named above hereby certifies that its lead consumer notice has been provided to each person it serves at the specific sampling site from which the sample was tested. The water system also certifies that these results and the following information were provided to such persons within 30 days of receiving the test results from the laboratory:

- Individual tap results from lead tap water monitoring carried out under the requirements of 30 TAC §290.117(j).
- An explanation of the health effects of lead.
- Steps that consumers can take to reduce exposure to lead in drinking water.
- Contact Information for our water utility.
- The maximum contaminant level goals and action levels for lead, and the definitions of these two terms.

**Certified by:**

Name: GABRIEL MORENO-FERGUSSON

Title: ENVIRONMENTAL MANAGER/SYSTEM OPERATOR

Phone # (210)295-7453

Date: 09/17/2014

For Texas Drinking Water results and sampling schedules please refer: <http://dww/tceq.state.tx.us/DWW/>

# SPECIAL ANNOUNCEMENT

---

## IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER

*Camp Stanley Storage Activity (CSSA) in its last round of sampling found elevated levels of lead in drinking water at building 201. This was a repeat sample from the one collected on June 2014. Lead can cause serious health problems, especially for pregnant women and children 6 years and younger. Please read this notice closely to see what you can do to reduce lead in your drinking water.*

This notice is brought to you by CSSA's Environmental Management Office.

State Water System ID# TX0150117

Date: 17 September 2014

### Why is Lead being regulated?

In 1974, Congress passed the Safe Drinking Water Act. This law requires EPA to determine safe levels of chemicals in drinking water which do or may cause health problems. These non-enforceable levels, based solely on possible health risks and exposure, are called Maximum Contaminant Level Goals.

The MCLG for lead has been set at zero because EPA believes this level of protection would not cause any of the potential health problems described below.

Since lead contamination generally occurs from corrosion of household lead pipes, it cannot be directly detected or removed by the water system. Instead, EPA is requiring water systems to control the corrosiveness of their water if the level of lead at home taps exceeds an Action Level.

The action level for lead has been set at 15 parts per billion (ppb) because EPA believes, given present technology and resources, this is the lowest level to which water systems can reasonably be required to control this contaminant should it occur in drinking water at their customers home taps.

These drinking water standards and the regulations for ensuring these standards are met, are called National Primary Drinking Water Regulations. All public water supplies must abide by these regulations.

### Health Effects of Lead

*Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.*

# SPECIAL ANNOUNCEMENT

---

## Sources of Lead

Lead is a common metal found in the environment. Drinking water is one possible source of lead exposure. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil, and some plumbing materials. In addition, lead can be found in certain types of pottery, pewter, brass fixtures, food, and cosmetics. Other sources include exposure in the work place and exposure from certain hobbies (lead can be carried on clothing or shoes). New brass faucets, fittings, and valves, including those advertised as "lead-free/" may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8 percent lead to be labeled as "lead free." However, plumbing fixtures labeled National Sanitation Foundation (NSF) certified may only have up to 2 percent lead. Consumers should be aware of this when choosing fixtures and take appropriate precautions. The source of water from the Drinking Water Wells and the Reservoir do not contain lead and CSSA's Infrastructure does not have any lead in its source water or water mains in the street. When water is in contact with pipes [or service lines] or plumbing that contains lead for several hours, the lead may enter drinking water. Homes and buildings built before 1986 are more likely to have plumbing containing lead. New homes may also have lead; even "lead-free" plumbing may contain some lead. **In the case of building 201, the source of lead was identified to be solder used when upgrading the Supervisory Control and Data Acquisition (SCDA) system in the building. This solder and associated pipe are being removed at this time.**

EPA estimates that 10 to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead-containing water can receive 40 to 60 percent of their exposure to lead from drinking water.

Don't forget about other sources of lead such as lead paint, lead dust, and lead in soil. Wash your children's hands and toys often as they can come into contact with dirt and dust containing lead.

## Step You Can Take To Reduce Your Exposure To lead In Your Water

1. **Run your water to flush out lead.** Run water for 15-30 seconds [or insert a different flushing time if your system has representative data indicating a different flushing time would better reduce lead exposure in your community and if the State Primacy Agency approves the wording) or until it becomes cold or reaches a steady temperature before using it for drinking or cooking, if it hasn't been used for several hours. This flushes lead-containing water from the pipes.
2. **Use cold water for cooking and preparing baby formula.** Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
3. **Do not boil water to remove lead.** Boiling water will not reduce lead.
4. **Look for alternative sources or treatment of water.** You may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce



## SPECIAL ANNOUNCEMENT

---

lead or contact NSF International at 800-NSF-8010 or [www.nsf.org](http://www.nsf.org) for information on performance standards for water filters. Be sure to maintain and replace a filter device in accordance with the manufacturer's instructions to protect water quality.

5. **Test your water for lead.** Call us at Environmental Management (210) 295-7320 to find out how to get your water tested for lead. [Include information on your water system's testing program.]
6. **Get your child tested.** Contact your local health department or healthcare provider to find out how you can get your child tested for lead if you are concerned about exposure.
7. **Identify if your plumbing fixtures contain lead.** New brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8% lead to be labeled as "lead free." Visit the National Sanitation Foundation Web site at [www.nsf.org](http://www.nsf.org) to learn more about lead-containing plumbing fixtures.

### What Happened? What is Being Done?

- During the routine water sampling event at CSSA in June of 2014, the sample collected at Building 201 showed an exceedance to lead. We repeated that sample in August of 2014. This sample too showed an exceedance to lead. The investigation on the source of the exceedance was conducted by the Environmental Management Office immediately after the results were obtained from the Laboratory in June and it was determined that the solder used to connect an SCADA meter had high concentrations of lead. This source is being removed immediately from the drinking water. Additionally we have tested all the drinking water wells for lead, additional buildings, and specially the kitchens at all of the industrial areas identified in our TCEQ plan. This is the only building found to be affected at this time.
- Environmental Management is collecting additional samples to ensure that this was a onetime exceedance and it will not repeat. As an additional precaution, Environmental Management will collect all the primary sites collected during the routine sample, the entry points (well houses), and the alternate sampling sites.

### For More Information

*Call us at 210-295-7453 or visit our Web site at the Environmental Page in the CSSA LAN. For more information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead) or contact your health care provider.*

July 9, 2014 Correspondence from TCEQ



## Texas Commission on Environmental Quality

*Protecting Texas by Reducing and Preventing Pollution*

July 9, 2014

PAUL M SMITH  
CAMP STANLEY STORAGE ACTIVITY  
25800 RALPH FAIR RD  
BOERNE, TX 78015-4877

### **Subject: Lead and Copper Rule Program Changes in 2015**

Attention: Public Water System Owner / Official / Manager

The Texas Commission on Environmental Quality (TCEQ) requires Community and Non-Transient Non-Community public water systems (PWSs) to monitor for lead and copper at inside water taps and report the sample results to TCEQ in accordance with Title 30 Texas Administrative Code (30 TAC), §290.117 - *Regulation of Lead and Copper*. This letter serves to communicate an important change that the TCEQ is implementing in an effort to provide your water system an opportunity to efficiently and effectively meet compliance and serve your customers. The TCEQ is applying this change in response to water systems requesting more flexibility and options for their arrangement of lead and copper sample analysis services.

Historically the TCEQ has provided bottles to public water systems for lead and copper sampling activities through a contract process. **Beginning January 1, 2015, the TCEQ will no longer be providing your system tap sample bottles for lead and copper monitoring activities.** This change will provide public water systems the availability to utilize any accredited laboratory for lead and copper sample bottle acquisition and sample analysis.

### **What does this mean to you?**

All public water systems scheduled to sample under the Lead and Copper Rule (LCR) after January 1, 2015 must contact an accredited laboratory to obtain one liter bottles for LCR monitoring. Please note that the TCEQ will continue to provide LCR sampling bottles to compliant water systems for all monitoring periods throughout 2014. The official TCEQ paperwork for the LCR monitoring can be found on the TCEQ website along with the list of systems required to sample during that year at: [http://www.tceq.texas.gov/drinkingwater/chemicals/lead\\_copper](http://www.tceq.texas.gov/drinkingwater/chemicals/lead_copper).

PAUL M SMITH

Page 2

July 9, 2014

Additionally, a list of TCEQ laboratories that are accredited under the National Environmental Laboratory Accreditation Program (NELAP) for LCR monitoring can be found on the TCEQ website at:

[http://www.tceq.state.tx.us/assets/public/compliance/compliance\\_support/qa/txnelap\\_lab\\_list.pdf](http://www.tceq.state.tx.us/assets/public/compliance/compliance_support/qa/txnelap_lab_list.pdf)

The TCEQ would like to continue assisting your public water system by providing compliance information concerning sample schedules, sample locations, sample periods, and other system wide data. This information can be found at the TCEQ Texas Drinking Water Watch website at: <http://dww.tceq.state.tx.us/DWW/>

Should you have further questions concerning this change or general information, please contact the Lead and Copper Rule compliance program at (512) 239-4691 or [PDWS@tceq.texas.gov](mailto:PDWS@tceq.texas.gov).

Sincerely,



Gary Chauvin, Manager  
Public Drinking Water Section  
Water Supply Division  
Texas Commission on Environmental Quality

GC/LG/av

cc: TCEQ Region 13

July 7, 2014 Lead Consumer Notice



---

**ORIGINAL NOTICE 7 JULY 2014**

**IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER**

Camp Stanley Storage Activity found elevated levels of lead in drinking water at building 201 in our community. Lead can cause serious health problems, especially for pregnant women and children 6 years and younger. Please read the following notice [insert link to Public Education Notice] closely to see what you can do to reduce lead in your drinking water and to learn what [Camp Stanley Storage Activity] is doing to address this problem.

Call us at 210-295-7453 or visit us in building 606 for more information Date [07 July 2014]



PWS/0150117/CO/

**Lead Consumer Notice (CN) TCEQ Form 20680**  
Texas Commission on Environmental Quality

PWS ID #: TX 0150117 DATE: 07/07/2014

PWS NAME: Camp Stanley Storage Activity

ANALYTICAL RESULT FOR LEAD TAP WATER MONITORING

Our public water supply system is required to periodically collect tap water samples to determine the lead levels in our system. Your residence was selected for this monitoring as part of our system's sampling plan. This notice is provided to you with the analytical results of the tap water sample collected at your home.

Sample address: 25800 Ralph Fair Road, Boerne, TX 78015  
Sample collection date: 06/05/2014  
Analytical Lead result, in mg/L (milligrams per liter): 0.048 mg/L

**Definitions**

**Action Level (AL):** The action level is a concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a public water system must follow. The lead action level is 0.015 mg/L.

**What are the health effects of lead and how can I reduce my exposure?**

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [NAME OF WATER SYSTEM] is responsible for providing drinking water that meets all federal and state standards, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water and using only cold water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. When replacing your bathroom or kitchen faucet, consider a "lead-free" faucet that meets NSF/ANSI Standard 61 Annex G, which is less than 0.25% lead by weight.

**Who can I contact at my water system for more information?**

Phone number at our public water supply system: (210) 295-7320

E-mail address at our public water supply system: ENV@CSSAMMA.COM

---

For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>



### Lead Consumer Notice (CN) Certification Form

PWS ID #: TX 0150117PWS NAME: Camp Stanley Storage Activity

Monitoring period to which the notice applies:	<u>2014 YR</u>
Date(s) results were received from laboratory:	<u>June 17, 2014</u>
Date(s) results were provided to consumers:	<u>July 7, 2014</u>

The water system named above hereby certifies that its lead consumer notice has been provided to each person it serves at the specific sampling site from which the sample was tested. The water system also certifies that these results and the following information were provided to such persons within 30 days of receiving the test results from the laboratory:

- Individual tap results from lead tap water monitoring carried out under the requirements of 30 TAC §290.117(j).
- An explanation of the health effects of lead.
- Steps that consumers can take to reduce exposure to lead in drinking water.
- Contact Information for our water utility.
- The maximum contaminant level goals and action levels for lead, and the definitions of these two terms.

**Certified by:**

Name: <u>GABRIEL MAEN FERGUSON</u>	
Title: <u>Environmental Manager</u>	
Phone # <u>210-295-7453</u>	Date: <u>7/7/14</u>

(Instructions on Back)

For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>

## Lead Consumer Notice (CN) Certification Form Instructions

In accordance with 30 TAC §290.117(i) and (j), you must complete the lead Consumer Notice (CN); distribute the notice to each home or building that was tested with its specific lead result, and submit a certification of your activities and a copy of the notice to Texas Commission on Environmental Quality (TCEQ) at the address listed below.

### **Timing of CN**

All C and NTNC public water systems must provide the consumer notice as soon as practical, but no later than 30 days after the system receives the tap sampling results.

### **Consumer Notice Content**

The consumer notice must include the results of lead tap sampling for the tap that was tested, an explanation of the health effects of lead, list steps consumers can take to reduce exposure to lead in drinking water, and contact information for the water utility. The notice must also provide the maximum contaminant level goal and the action level for lead and the definitions for these two terms from 40 CFR §141.153(c).

### **Consumer Notice Distribution**

Within 30 days of receiving the analytical results, you must provide the required notice to the people served at each residence or building that was a part of the sampling plan. This can be accomplished through direct mail, including it with the water utility bill, or by hand delivery. Multi-family dwellings: Where testing occurs in buildings with many units, such as an apartment building, the notice must be provided to each individual unit that was tested. The notice does not have to extend to the entire building.

### **Certification to TCEQ**

The PWS must send a signed copy of this certification form to the TCEQ no later than 3 months following the end of the monitoring period.

Standard or Initial Sampling	MP end date is:	June 30 or December 31
Reduced or Routine Sampling	MP end date is:	September 30

The PWS must include with this certification a representative copy of the consumer notice distributed. Send your consumer notice and certification form to the following address:

Texas Commission on Environmental Quality  
Office of Water, Water Supply Division, Public Drinking Water Section  
Lead and Copper Program, MC155 P.O. Box 13087  
Austin, TX 78711-3087

---

*For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>*



## SPECIAL ANNOUNCEMENT

---

### IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER

*Camp Stanley Storage Activity (CSSA) in its last round of sampling found elevated levels of lead in drinking water at building 201. Lead can cause serious health problems, especially for pregnant women and children 6 years and younger. Please read this notice closely to see what you can do to reduce lead in your drinking water.*

This notice is brought to you by CSSA's Environmental Management Office.  
State Water System ID# TX0150117  
Date 7 July 2014

#### Health Effects of Lead

*Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.*

#### Sources of Lead

Lead is a common metal found in the environment. Drinking water is one possible source of lead exposure. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil, and some plumbing materials. In addition, lead can be found in certain types of pottery, pewter, brass fixtures, food, and cosmetics. Other sources include exposure in the work place and exposure from certain hobbies (lead can be carried on clothing or shoes).

New brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8 percent lead to be labeled as "lead free." However, plumbing fixtures labeled National Sanitation Foundation (NSF) certified may only have up to 2 percent lead. Consumers should be aware of this when choosing fixtures and take appropriate precautions.

The source of water from the Drinking Water Wells and the Reservoir do not contain lead and CSSA's Infrastructure does not have any lead in its source water or water mains in the street. When water is in contact with pipes [or service lines] or plumbing that contains lead for several hours, the lead may enter drinking water. Homes and buildings built before 1986 are more likely to have plumbing containing lead. New homes may also have lead; even "lead-free" plumbing may contain some lead.

## SPECIAL ANNOUNCEMENT

---

EPA estimates that 10 to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead-containing water can receive 40 to 60 percent of their exposure to lead from drinking water.

Don't forget about other sources of lead such as lead paint, lead dust, and lead in soil. Wash your children's hands and toys often as they can come into contact with dirt and dust containing lead.

### Steps You Can Take To Reduce Your Exposure To Lead In Your Water

- 1. Run your water to flush out lead.** Run water for 15-30 seconds [or insert a different flushing time if your system has representative data indicating a different flushing time would better reduce lead exposure in your community and if the State Primacy Agency approves the wording] or until it becomes cold or reaches a steady temperature before using it for drinking or cooking, if it hasn't been used for several hours. This flushes lead-containing water from the pipes.
- 2. Use cold water for cooking and preparing baby formula.** Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- 3. Do not boil water to remove lead.** Boiling water will not reduce lead.
- 4. Look for alternative sources or treatment of water.** You may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce lead or contact NSF International at 800-NSF-8010 or [www.nsf.org](http://www.nsf.org) for information on performance standards for water filters. Be sure to maintain and replace a filter device in accordance with the manufacturer's instructions to protect water quality.
- 5. Test your water for lead.** Call us at [insert phone number for your water system] to find out how to get your water tested for lead. [Include information on your water system's testing program. For example, do you provide free testing? Are there labs in your area that are certified to do lead in water testing?]
- 6. Get your child tested.** Contact your local health department or healthcare provider to find out how you can get your child tested for lead if you are concerned about exposure.
- 7. Identify if your plumbing fixtures contain lead.** New brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8% lead to be labeled as "lead free." Visit the National Sanitation Foundation Web site at [www.nsf.org](http://www.nsf.org) to learn more about lead-containing plumbing fixtures.

### What Happened? What is Being Done?

- During the routine water sampling event at CSSA, the sample collected at Building 201 showed an exceedance to lead. An investigation on the source of the exceedance was conducted by the Environmental Management Office immediately after the results were obtained from the Laboratory. The source of the lead in the drinking water was determined to be solder that was used when the water flow meter was connected. This is the only building found to be affected at this time.

## SPECIAL ANNOUNCEMENT

---

- Environmental Management is collecting additional samples to ensure that this was a one time exceedance and it will not repeat. As an additional precaution, Environmental Management will collect all the primary sites collected during the routine sample, the entry points (well houses), and the alternate sampling sites.

### **For More Information**

*Call us at [210-295-7453](tel:210-295-7453) or visit our Web site at the Environmental Page in the CSSA LAN. For more information on reducing lead exposure around your home/building and the health effects of lead, visit EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead) or contact your health care provider.*



PWS/0150117/AC/06-17-2014/Analysis Rpt  
LCRA Environmental Laboratory Services  
3505 Montopolis Drive  
Austin, TX 78744  
Phone (512)356-6022  
Fax: (512)356-6021

June 17, 2014

ENVIRONMENTAL OFFICE  
25800 RALPH FAIR RD.  
BOERNE, TX 78015

RE: Final Analytical Report  
ELS Workorder Q1419643  
TX0150117 - CAMP STANLEY STORAGE ACTIVITY

Attn: ENVIRONMENTAL OFFICE

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

Thank you for selecting ELS for your analytical needs. If you have any questions concerning this report, please feel free to contact us at (512) 356-6022. We look forward to assisting you again.

Authorized for release by:

Susan Benavidez  
Project Manager  
susan.benavidez@lcra.org



Enclosures

T104704218-14-10

Report ID: 95638 - 936615

Page 1 of 9



### SAMPLE SUMMARY

Workorder Q1419643

Lab ID	Sample ID	Matrix	Date Collected	Date Received
Q1419643001	LCR001	Drinking Water	6/5/2014 06:05	6/6/2014 07:30
Q1419643002	LCR002	Drinking Water	6/5/2014 06:30	6/6/2014 07:30
Q1419643003	LCR003	Drinking Water	6/5/2014 06:00	6/6/2014 07:30
Q1419643004	LCR005	Drinking Water	6/5/2014 06:40	6/6/2014 07:30
Q1419643005	LCR011	Drinking Water	6/5/2014 07:53	6/6/2014 07:30





PWS/D150117/AC/06-17-2014/Analysis Rpt  
LCRA Environmental Laboratory Services  
3505 Montopolis Drive  
Austin, TX 78744  
Phone: (512)356-6022  
Fax: (512)356-6021

## PROJECT SUMMARY

Workorder Q1419643

---

### Sample Analysis Comments

---

Lab ID: Q1419643001      Sample ID: LCR001      Analyte: Lead Total  
Analyte Detected Above Maximum Contaminant Level



PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Montopolis Drive  
 Austin, TX 76744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

**ANALYTICAL RESULTS**

Workorder Q1419643

Lab ID: Q1419643001	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR001	Date Collected: 6/5/2014 06:05	Sample Type: SAMPLE
Facility: DS01	Location: BUILDING 201 UTILITY	
Sample Point: LCR001	Client ID: TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-----	----	----------	----	----------	----	------

**INORGANICS**

Analysis Desc: E200.8, ICP-MS  
 Lead/Copper

Preparation Method: E200.8, ICP-MS Prep

Analytical Method: E200.8, ICP-MS Lead/Copper

Copper Total	0.080	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:31:12	FO	
Lead Total	0.048	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:31:12	FO	M



PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Montopolis Drive  
 Austin, TX 78744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

**ANALYTICAL RESULTS**

Workorder Q1419643

Lab ID: Q1419643002	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR002	Date Collected: 6/5/2014 06:30	Sample Type: SAMPLE
Facility DS01	Location BUILDING 44 KITCHEN	
Sample Point LCR002	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-----	----	----------	----	----------	----	------

**INORGANICS**

Analysis Desc: E200.8, ICP-MS  
 Lead/Copper

Preparation Method: E200.8, ICP-MS Prep

Analytical Method: E200.8, ICP-MS Lead/Copper

Copper Total	0.21	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:42:17	FO	
Lead Total	0.0024	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:42:17	FO	



PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Monopolis Drive  
 Austin, TX 78744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

**ANALYTICAL RESULTS**

Workorder Q1419643

Lab ID: Q1419643003	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR003	Date Collected: 6/5/2014 06:00	Sample Type: SAMPLE
Facility DS01	Location BUILDING 606 KITCHEN	
Sample Point LCR003	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-----	----	----------	----	----------	----	------

**INORGANICS**

Analysis Desc: E200.8, ICP-MS  
 Lead/Copper

Preparation Method: E200.8, ICP-MS Prep

Analytical Method: E200.8, ICP-MS Lead/Copper

Copper Total	0.058	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:45:59	FO	
Lead Total	0.0026	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:45:59	FO	



PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Monlopolis Drive  
 Austin, TX 78744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

ANALYTICAL RESULTS

Workorder Q1419643

Lab ID: Q1419643004	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR005	Date Collected: 6/5/2014 06:40	Sample Type: SAMPLE
Facility DS01	Location BUILDING 95 KITCHEN	
Sample Point LCR005	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
INORGANICS											
Analysis Desc: E200.8, ICP-MS Lead/Copper			Preparation Method: E200.8, ICP-MS Prep								
			Analytical Method: E200.8, ICP-MS Lead/Copper								
Copper Total	0.43 mg/L		0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:49:40	FO	
Lead Total	<0.0010 mg/L		0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:49:40	FO	





PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Montopolis Drive  
 Austin, TX 78744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

ANALYTICAL RESULTS

Workorder Q1419643

Lab ID: Q1419643005	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR011	Date Collected: 6/5/2014 07:53	Sample Type: SAMPLE
Facility DS01	Location BUILDING 210 KITCHEN	
Sample Point LCR011	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
------------	---------	-------	-----	-----	-----	----	----------	----	----------	----	------

INORGANICS

Analysis Desc: E200.8, ICP-MS  
 Lead/Copper

Preparation Method: E200.8, ICP-MS Prep

Analytical Method: E200.8, ICP-MS Lead/Copper

Copper Total	0.26 mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14	01:53:22	FO
Lead Total	0.0011 mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14	01:53:22	FO



PWS/D150117/AC/06-17-2014/Analysis Rpt  
LCRA Environmental Laboratory Services  
3505 Montopolis Drive  
Austin, TX 78744  
Phone (512)358-6022  
Fax (512)355-6021

## ANALYTICAL RESULTS QUALIFIERS

Workorder Q1419643

---

### PARAMETER QUALIFIERS

Lab ID: Q1419643001

M Analyte Detected Above Maximum Contaminant Level



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
LEAD AND COPPER MONITORING - TAP SAMPLE SUBMISSION FORM (TSSF) 20683

PWS/0150117/CO/2014 YC /

Q 1419643

(Public Water System (PWS) to fill out - please print in CAPS)

PWS ID #	TX 0150117		
PWS NAME:	Camp Stanley Storage Activity	PAGES SUBMITTED:	
PWS PHONE:	210-295-7320	PWS EMAIL:	ENU@CSSAMMA-COM
PWS CERTIFIED OPERATOR NAME:	GABRIEL MORENO-FERGUSON	MONITORING PERIOD	<input type="checkbox"/> 2014 6M1 <input type="checkbox"/> 2014 6M2 <input checked="" type="checkbox"/> 2014 YR <input type="checkbox"/> 2014 3YR <input type="checkbox"/> 2014 9YR

IMPORTANT: THIS FORM MUST ACCOMPANY THE SAMPLE BOTTLES WHEN THEY ARE SENT TO A LABORATORY. SAMPLES EXPIRE 14 DAYS AFTER COLLECTION. THE LABORATORY IS INSTRUCTED TO REJECT INCOMPLETE FORMS.

(PWS to fill out - please print in CAPS. Use as many forms as necessary to match bottle collection numbers. Further instructions on back)

SAMPLE POINT ID	SAMPLE SITE LOCATION (location and inside sink)	WATER LAST USED DATE (MMDDYY)	WATER LAST USED TIME (HHMM)	SAMPLE COLLECTED DATE (MMDDYY)	SAMPLE COLLECTED TIME (HHMM)	DATE SUBMITTED TO LAB (MMDDYY)
LCR001 (Example)	5933 Miracle Springs Dr / Kitchen Sink <small>(address must match what is in Drinking Water Watch, Site Selection Form and Monitoring Plan)</small>	06/24/2014	0900	06/24/2014	1800	06/26/2014
001	Building 201 Utility	06/04/14	1321	06/05/2014	0605	
002	Building 44 Kitchen	06/04/14	1555	06/05/2014	0630	
003	Building 606 Kitchen	06/04/14	1500	06/05/2014	0600	
005	Building 95 Kitchen	06/04/14	1600	06/05/2014	0640	
011	Building 210 Kitchen	06/04/14	1600	06/05/2014	0753	
LCR						
LCR						
LCR						
LCR						
LCR						



01419643 85638

RECEIVED

PRESERVED IN LAB 1:1 HNO3: 12764  
 BY: JR DATE/TIME: @ 9:30 6-6-14  
 28.4°C  
 PWS c.f. 8.0  
 Page 1 of 2



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

PWS/A150117/CO/2014 YR

I acknowledge that the information on this form is true and correct and sites selected for sampling following the PWS Monitoring Plan and that the TCEQ Form 20467 Site Selection and Materials Survey has been filled out and sent in to TCEQ for approval prior to sampling.

Refusing to sign and comply with sampling protocols as outlined in the following instructions or on this form will result in monitoring and reporting violation(s), possible enforcement, and fines.

Gabriel Hernandez 06/05/14  
 Signature Name Date

**INSTRUCTIONS**

- PWS ID:** Water System identification number
- PWS Name:** Name of water system
- PWS Phone:** Phone number of water system
- PWS Certified Operator:** Certified Operator or Responsible Person who either took samples or is responsible for the samples
- Pages Submitted:** The # of pages of LCR/site location/ addresses you are including with bottles. Each page has 10 address possibilities.
- PWS Email:** System email for communication purposes
- Monitoring Period:** System's monitoring period 6M, 1 year, 3 year, or 9 year. <http://www.tceq.state.tx.us/DWW/> under Sample Schedules left yellow column. Scroll down to find PBCU schedules – looks like 5/RT 3YR followed by 2014.

**Sample Point ID:**

Texas Drinking Water Watch – Sample Points – LCR numbers are addresses and numbers we currently have on file for the PWS. <http://www.tceq.state.tx.us/DWW/>. Enter the Water System No. Click on the water system number in blue. Click on Sample Points found in yellow left column. Scroll the page down until you see LCR001, LCR002, LCR003, etc. These numbers are to be added to the front page. Each LCR001 has its own address and can't be changed once an address/location has been assigned to it.

Every system is required to update their PWS Monitoring Plan/Site Selection Form by completing TCEQ Form 20467 prior to sampling. The sampling pool requirements found in Title 30 Texas Administrative Code (30 TAC) §290.117(c) discuss the different Tiers associated with the Lead and Copper Rule Tap Sampling.

*Example: You have a population of 560 people and are on reduced sampling. You should have 20 LCR numbers and addresses = 10 as routine sample sites and 10 listed as backup sampling sites. This is your sampling pool. Complete TCEQ Form 20467 and send them in prior to sampling in 2014. We will update your Monitoring Plan at the same time. If you go out to sample and find that LCR003 does not want to participate this year, you have 10 other pre-approved sites to pull from LCR011 – LCR020. You are not allowed to swap out a new address with an old LCR003. You must have a new address with a new LCR number. Call if you still have questions.*

**Sample Site Location/Address:**

See above = the site location/address goes with a LCR001 number and is not swapped out at any time. Site location/addresses should be in Tiers according to the years and types of plumbing materials. It is required to use Tier 1 first, followed by Tier 2, followed by Tier 3, and finally – "other". (30 TAC) §290.117(c)

**Water Last Used Date:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Water Last Used Time:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Collection Date:** The date sample was collected by PWS or homeowner. Please use MM/DD/YY format.

**Collection Time:** The time sample was collected by PWS or homeowner. Please use 24 hour clock when reporting HH/MM.

**Date Submitted to Lab:** The date bottles were hand-delivered or overnighted to lab. Please use MM/DD/YY format.

Texas Commission on Environmental Quality  
 PO BOX 13087, Lead and Copper Program, Austin, Texas 78711-3087  
 Telephone: 512-239-4691, Fax: 512-239-6050 Email: laurie.gehlisen@tceq.texas.gov

# Invoice



Invoice 125934  
Date 6/16/2014

Invoice To STEVEN HONECK  
25800 RALPH FAIR RD.  
BOERNE, TX 78015

Client CAMP STANLEY STORAGE ACTIVITY  
Account ID 002663  
Location  
PO  
Workorder TX0150117LCR\_060614 [Q1419643]

CC

Description	Qty	Unit Price	Extended Price
Lead/Copper	5	\$40.00	\$200.00
<b>Invoice Total</b>			<b>\$200.00</b>

## Charge Details

Lab ID	Sample ID	Collected	Received	Matrix	Charge
Q1419643001	LCR001 Lead/Copper	6/5/2014 06:05	6/6/2014	DW	\$40.00
Q1419643002	LCR002 Lead/Copper	6/5/2014 06:30	6/6/2014	DW	\$40.00
Q1419643003	LCR003 Lead/Copper	6/5/2014 06:00	6/6/2014	DW	\$40.00
Q1419643004	LCR005 Lead/Copper	6/5/2014 06:40	6/6/2014	DW	\$40.00
Q1419643005	LCR011 Lead/Copper	6/5/2014 07:53	6/6/2014	DW	\$40.00

## Payment Details

Please remit payment to the address below and include your invoice and account number. All invoices are due and payable net 30 days from receipt. A one percent (1%) per month late fee may apply to unpaid invoices after the due date.

For questions regarding payment or your account balance please contact Lori Ann Eaves at 1-800-776-5272, Ext. 6320 or 1-512-730-6320 or by email at [Lori.Eaves@lcra.org](mailto:Lori.Eaves@lcra.org). We accept Visa, MasterCard and Discover. For questions regarding your analytical services please contact LCRA Environmental Laboratory Services at 1-800-776-5272, Ext. 6022 or 1-512-730-6022. Thank you for your business.



## Brenda Shirley

---

**From:** Gabriel Moreno-Fergusson <morenog@cssamma.com>  
**Sent:** Monday, July 14, 2014 11:16 AM  
**To:** 'Ken Quinney'  
**Cc:** Laurie.Gehlsen@tceq.texas.gov; 'Pearson, William Scott'; 'Elliott, Samantha'; Julie Burdey; Brenda Shirley  
**Subject:** RE: Lead and Copper Tap Sample Submission Form: Attention - Gabriel Moreno-Fergusson  
**Attachments:** lead announcements & education.pdf

Sir,  
Following up our Phone call this morning. Attached is the Notice, Announcement/Education, and Sample Results that were provided to our employees via Intranet. I am trying to move screen shots from our intranet so you can see the posting. Please let me know if there is anything else you need.

V/R  
Gabe

---

GABRIEL MORENO-FERGUSON  
Environmental Manager  
Camp Stanley Storage Activity  
25800 Ralph Fair Road  
Boerne, TX 78015-4800  
Cell – (210)240-0146  
Office – (210)295-7453 or (210)295-7320

---

**From:** Ken Quinney [<mailto:Ken.Quinney@tceq.texas.gov>]  
**Sent:** Monday, July 14, 2014 9:36 AM  
**To:** [morenog@cssamma.com](mailto:morenog@cssamma.com)  
**Subject:** Lead and Copper Tap Sample Submission Form: Attention - Gabriel Moreno-Fergusson

Ken Quinney  
Natural Resource Specialist  
University of Texas – Arlington Contractor Texas Commission on Environmental Quality (TCEQ)  
512-239-6706  
FAX: 512-239-6050  
[Ken.Quinney@tceq.texas.gov](mailto:Ken.Quinney@tceq.texas.gov)  
Drinking Water Watch: <http://dww.tceq.state.tx.us/DWW/>

# Lead in Drinking Water



## **IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER**

Camp Stanley Storage Activity has found continuous elevated levels of lead in the drinking water at building 201 (Ammo Surveillance Break room.) Lead can cause serious health problems, especially for pregnant women and children under 6 years of age and younger. Please read the following notice posted under "Public Notice to Customers" found in the CSSA Intranet. It has special information to see what you can do to reduce the lead in your drinking water and to learn what Camp Stanley Environmental is doing to address and eliminate the source of this problem.

**DO NOT DRINK WATER OUT OF THE FAUCETS IN THE BATHROOM OF BUILDING 201. ONLY DRINK WATER FROM THE WATER COOLER PROVIDED IN THE BREAK ROOM. IT IS EQUIPPED WITH FILTERS THAT ELIMINATE THE LEAD IN THE WATER. THE SOURCE OF THE LEAD IS BEING REMOVED OUT OF THIS FACILITY DURING THE WEEK OF 17 SEPTEMBER 2014.**

If you have any questions or any concerns, please call Gabriel Moreno-Fergusson at 210-295-7453 or visit us in building 606 for more information.





PWS/015017/CO/

**Lead Consumer Notice (CN) TCEQ Form 20680**  
Texas Commission on Environmental Quality

PWS ID #: TX 015017 DATE: 07/07/2014

PWS NAME: Camp Stanley Storage Activity

ANALYTICAL RESULT FOR LEAD TAP WATER MONITORING

Our public water supply system is required to periodically collect tap water samples to determine the lead levels in our system. Your residence was selected for this monitoring as part of our system's sampling plan. This notice is provided to you with the analytical results of the tap water sample collected at your home.

Sample address: 25800 Ralph Fair Road, Boerne, TX 78015  
Sample collection date: 06/05/2014  
Analytical Lead result, in mg/L (milligrams per liter): 0.048 mg/L

**Definitions**

**Action Level (AL):** The action level is a concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a public water system must follow. The lead action level is 0.015 mg/L.

**What are the health effects of lead and how can I reduce my exposure?**

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [NAME OF WATER SYSTEM] is responsible for providing drinking water that meets all federal and state standards, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water and using only cold water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. When replacing your bathroom or kitchen faucet, consider a "lead-free" faucet that meets NSF/ANSI Standard 61 Annex G, which is less than 0.25% lead by weight.

**Who can I contact at my water system for more information?**

Phone number at our public water supply system: (210) 295-7320

E-mail address at our public water supply system: ENV@CSSAMMA.COM

---

For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>



## Lead Consumer Notice (CN) Certification Form

PWS ID #: TX 0150117PWS NAME: Camp Stanley Storage Activity

Monitoring period to which the notice applies:	<u>2014 YR</u>
Date(s) results were received from laboratory:	<u>June 17, 2014</u>
Date(s) results were provided to consumers:	<u>July 7, 2014</u>

The water system named above hereby certifies that its lead consumer notice has been provided to each person it serves at the specific sampling site from which the sample was tested. The water system also certifies that these results and the following information were provided to such persons within 30 days of receiving the test results from the laboratory:

- Individual tap results from lead tap water monitoring carried out under the requirements of 30 TAC §290.117(j).
- An explanation of the health effects of lead.
- Steps that consumers can take to reduce exposure to lead in drinking water.
- Contact Information for our water utility.
- The maximum contaminant level goals and action levels for lead, and the definitions of these two terms.

**Certified by:**

Name: <u>GABRIEL MAENO FERGUSON</u>	
Title: <u>Environmental Manager</u>	
Phone # <u>210-295-7453</u>	Date: <u>7/7/14</u>

(Instructions on Back)

For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>

# SPECIAL ANNOUNCEMENT

---

## IMPORTANT INFORMATION ABOUT LEAD IN YOUR DRINKING WATER

*Camp Stanley Storage Activity (CSSA) in its last round of sampling found elevated levels of lead in drinking water at building 201. Lead can cause serious health problems, especially for pregnant women and children 6 years and younger. Please read this notice closely to see what you can do to reduce lead in your drinking water.*

This notice is brought to you by CSSA's Environmental Management Office.

State Water System ID# TX0150117

Date 7 July 2014

### **Why is Lead being regulated?**

In 1974, Congress passed the Safe Drinking Water Act. This law requires EPA to determine safe levels of chemicals in drinking water which do or may cause health problems. These non-enforceable levels, based solely on possible health risks and exposure, are called Maximum Contaminant Level Goals.

The MCLG for lead has been set at zero because EPA believes this level of protection would not cause any of the potential health problems described below.

Since lead contamination generally occurs from corrosion of household lead pipes, it cannot be directly detected or removed by the water system. Instead, EPA is requiring water systems to control the corrosiveness of their water if the level of lead at home taps exceeds an Action Level. The action level for lead has been set at 15 parts per billion (ppb) because EPA believes, given present technology and resources, this is the lowest level to which water systems can reasonably be required to control this contaminant should it occur in drinking water at their customers home taps. These drinking water standards and the regulations for ensuring these standards are met, are called National Primary Drinking Water Regulations. All public water supplies must abide by these regulations.

### **Health Effects of Lead**

*Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.*

### **Sources of Lead**

Lead is a common metal found in the environment. Drinking water is one possible source of lead exposure. The main sources of lead exposure are lead-based paint and lead-contaminated dust or soil, and some plumbing materials. In addition, lead can be found in certain types of pottery,



## SPECIAL ANNOUNCEMENT

---

pewter, brass fixtures, food, and cosmetics. Other sources include exposure in the work place and exposure from certain hobbies (lead can be carried on clothing or shoes).

New brass faucets, fittings, and valves, including those advertised as "lead-free," may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8 percent lead to be labeled as "lead free." However, plumbing fixtures labeled National Sanitation Foundation (NSF) certified may only have up to 2 percent lead. Consumers should be aware of this when choosing fixtures and take appropriate precautions.

The source of water from the Drinking Water Wells and the Reservoir do not contain lead and CSSA's Infrastructure does not have any lead in its source water or water mains in the street. When water is in contact with pipes [or service lines] or plumbing that contains lead for several hours, the lead may enter drinking water. Homes and buildings built before 1986 are more likely to have plumbing containing lead. New homes may also have lead; even "lead-free" plumbing may contain some lead.

EPA estimates that 10 to 20 percent of a person's potential exposure to lead may come from drinking water. Infants who consume mostly formula mixed with lead-containing water can receive 40 to 60 percent of their exposure to lead from drinking water.

Don't forget about other sources of lead such as lead paint, lead dust, and lead in soil. Wash your children's hands and toys often as they can come into contact with dirt and dust containing lead.

### Steps You Can Take To Reduce Your Exposure To Lead In Your Water

- 1. Run your water to flush out lead.** Run water for 15-30 seconds [or insert a different flushing time if your system has representative data indicating a different flushing time would better reduce lead exposure in your community and if the State Primacy Agency approves the wording] or until it becomes cold or reaches a steady temperature before using it for drinking or cooking, if it hasn't been used for several hours. This flushes lead-containing water from the pipes.
- 2. Use cold water for cooking and preparing baby formula.** Do not cook with or drink water from the hot water tap; lead dissolves more easily into hot water. Do not use water from the hot water tap to make baby formula.
- 3. Do not boil water to remove lead.** Boiling water will not reduce lead.
- 4. Look for alternative sources or treatment of water.** You may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce lead or contact NSF International at 800-NSF-8010 or [www.nsf.org](http://www.nsf.org) for information on performance standards for water filters. Be sure to maintain and replace a filter device in accordance with the manufacturer's instructions to protect water quality.
- 5. Test your water for lead.** Call us at [insert phone number for your water system] to find out how to get your water tested for lead. [Include information on your water system's testing program. For example, do you provide free testing? Are there labs in your area that are certified to do lead in water testing?]
- 6. Get your child tested.** Contact your local health department or healthcare provider to find out how you can get your child tested for lead if you are concerned about exposure.

## SPECIAL ANNOUSMENT

---

**7. Identify if your plumbing fixtures contain lead.** New brass faucets, fittings, and valves, including those advertised as “lead-free,” may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8% lead to be labeled as “lead free.” Visit the National Sanitation Foundation Web site at [www.nsf.org](http://www.nsf.org) to learn more about lead-containing plumbing fixtures.

### **What Happened? What is Being Done?**

- During the routine water sampling event at CSSA, the sample collected at Building 201 showed an exceedance to lead. An investigation on the source of the exceedance was conducted by the Environmental Management Office immediately after the results were obtained from the Laboratory. The source of the lead in the drinking water was determined to be solder that was used when the water flow meter was connected. This is the only building found to be affected at this time.
- Environmental Management is collecting additional samples to ensure that this was a one time exceedance and it will not repeat. As an additional precaution, Environmental Management will collect all the primary sites collected during the routine sample, the entry points (well houses), and the alternate sampling sites.

### **For More Information**

Call us at [210-295-7453](tel:210-295-7453) or visit our Web site at the Environmental Page in the CSSA LAN. For more information on reducing lead exposure around your home/building and the health effects of lead, visit EPA’s Web site at [www.epa.gov/lead](http://www.epa.gov/lead) or contact your health care provider.



PWS/0150117/AC/06-17-2014/Analysis Rpt  
LCRA Environmental Laboratory Services  
3505 Montopolis Drive  
Austin, TX 78744  
Phone (512)356-6022  
Fax: (512)356-6021

June 17, 2014

ENVIRONMENTAL OFFICE  
25800 RALPH FAIR RD.  
BOERNE, TX 78015

RE: Final Analytical Report  
ELS Workorder Q1419643  
TX0150117 - CAMP STANLEY STORAGE ACTIVITY

Attn: ENVIRONMENTAL OFFICE

Enclosed are the analytical results for sample(s) received by LCRA Environmental Laboratory Services. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report.

Thank you for selecting ELS for your analytical needs. If you have any questions concerning this report, please feel free to contact us at (512) 356-6022. We look forward to assisting you again.

Authorized for release by:

Susan Benavidez  
Project Manager  
susan.benavidez@lcra.org

Enclosures



: T104704218-14-10

Report ID: 95638 - 936615

Page 1 of 9



### SAMPLE SUMMARY

Workorder Q1419643

Lab ID	Sample ID	Matrix	Date Collected	Date Received
Q1419643001	LCR001	Drinking Water	6/5/2014 06:05	6/6/2014 07:30
Q1419643002	LCR002	Drinking Water	6/5/2014 06:30	6/6/2014 07:30
Q1419643003	LCR003	Drinking Water	6/5/2014 06:00	6/6/2014 07:30
Q1419643004	LCR005	Drinking Water	6/5/2014 06:40	6/6/2014 07:30
Q1419643005	LCR011	Drinking Water	6/5/2014 07:53	6/6/2014 07:30



PWS/0150117/AC/06-17-2014/Analysis Rpt  
LCRA Environmental Laboratory Services  
3505 Montopolis Drive  
Austin, TX 78744  
Phone: (512)356-6022  
Fax: (512)356-6021

## PROJECT SUMMARY

Workorder Q1419643

---

### Sample Analysis Comments

---

Lab ID: Q1419643001      Sample ID: LCR001      Analyte: Lead Total  
Analyte Detected Above Maximum Contaminant Level





ANALYTICAL RESULTS

Workorder Q1419643

Lab ID: Q1419643001	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR001	Date Collected: 6/5/2014 06:05	Sample Type: SAMPLE
Facility DS01	Location BUILDING 201 UTILITY	
Sample Point LCR001	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
<b>INORGANICS</b>											
Analysis Desc: E200.8, ICP-MS Lead/Copper			Preparation Method: E200.8, ICP-MS Prep								
			Analytical Method: E200.8, ICP-MS Lead/Copper								
Copper Total	0.080	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:31:12	FO	
Lead Total	0.048	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:31:12	FO	M



PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Montopolis Drive  
 Austin, TX 78744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

**ANALYTICAL RESULTS**

Workorder Q1419643

Lab ID: Q1419643002	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR002	Date Collected: 6/5/2014 06:30	Sample Type: SAMPLE
Facility DS01	Location BUILDING 44 KITCHEN	
Sample Point LCR002	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
<b>INORGANICS</b>											
Analysis Desc: E200.8, ICP-MS Lead/Copper			Preparation Method: E200.8, ICP-MS Prep								
			Analytical Method: E200.8, ICP-MS Lead/Copper								
Copper Total	0.21	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:42:17	FO	
Lead Total	0.0024	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:42:17	FO	



**ANALYTICAL RESULTS**

Workorder: Q1419643

Lab ID: Q1419643003	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR003	Date Collected: 6/5/2014 06:00	Sample Type: SAMPLE
Facility: DS01	Location: BUILDING 606 KITCHEN	
Sample Point: LCR003	Client ID: TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
<b>INORGANICS</b>											
Analysis Desc: E200.8, ICP-MS Lead/Copper			Preparation Method: E200.8, ICP-MS Prep								
			Analytical Method: E200.8, ICP-MS Lead/Copper								
Copper Total	0.058	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:45:59	FO	
Lead Total	0.0026	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:45:59	FO	



ANALYTICAL RESULTS

Workorder Q1419643

Lab ID: Q1419643004	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR005	Date Collected: 6/5/2014 06:40	Sample Type: SAMPLE
Facility DS01	Location BUILDING 95 KITCHEN	
Sample Point LCR005	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
INORGANICS											
Analysis Desc: E200.8, ICP-MS Lead/Copper			Preparation Method: E200.8, ICP-MS Prep								
			Analytical Method: E200.8, ICP-MS Lead/Copper								
Copper Total	0.43 mg/L		0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:49:40	FO	
Lead Total	<0.0010 mg/L		0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:49:40	FO	



PWS/0150117/AC/06-17-2014/Analysis Rpt  
 LCRA Environmental Laboratory Services  
 3505 Montopolis Drive  
 Austin, TX 78744  
 Phone: (512)356-6022  
 Fax: (512)356-6021

**ANALYTICAL RESULTS**

Workorder Q1419643

Lab ID: Q1419643005	Date Received: 6/6/2014 07:30	Matrix: Drinking Water
Sample ID: LCR011	Date Collected: 6/5/2014 07:53	Sample Type: SAMPLE
Facility DS01	Location BUILDING 210 KITCHEN	
Sample Point LCR011	Client ID TX0150117	

Parameters	Results	Units	LOD	PQL	MCL	DF	Prepared	By	Analyzed	By	Qual
<b>INORGANICS</b>											
Analysis Desc: E200.8, ICP-MS Lead/Copper			Preparation Method: E200.8, ICP-MS Prep								
			Analytical Method: E200.8, ICP-MS Lead/Copper								
Copper Total	0.26	mg/L	0.0200	0.0200	1.3	1	06/12/14	FM	06/13/14 01:53:22	FO	
Lead Total	0.0011	mg/L	0.0010	0.0010	0.015	1	06/12/14	FM	06/13/14 01:53:22	FO	





PWS/0150117/AC/06-17-2014/Analysis Rpt  
LCRA Environmental Laboratory Services  
3505 Montopolis Drive  
Austin, TX 78744  
Phone: (512)356-6022  
Fax: (512)356-6021

## ANALYTICAL RESULTS QUALIFIERS

Workorder Q1419643

---

### PARAMETER QUALIFIERS

Lab ID: Q1419643001

M      Analyte Detected Above Maximum Contaminant Level



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

PWS/0150117/CO/2014 YR /

Q 1419643

(Public Water System (PWS) to fill out – please print in CAPS)

PWS ID #	TX 0150117		
PWS NAME:	Camp Stanley Storage Activity	PAGES SUBMITTED:	
PWS PHONE:	210-295-7320	PWS EMAIL:	ENU@CSSAMMA.COM
PWS CERTIFIED OPERATOR NAME:	GABRIEL MORENO-FERGUSON	MONITORING PERIOD	<input type="checkbox"/> 2014 6M1 <input type="checkbox"/> 2014 6M2 <input checked="" type="checkbox"/> 2014 YR <input type="checkbox"/> 2014 3YR <input type="checkbox"/> 2014 9YR

IMPORTANT: THIS FORM MUST ACCOMPANY THE SAMPLE BOTTLES WHEN THEY ARE SENT TO A LABORATORY. SAMPLES EXPIRE 14 DAYS AFTER COLLECTION. THE LABORATORY IS INSTRUCTED TO REJECT INCOMPLETE FORMS.

(PWS to fill out – please print in CAPS. Use as many forms as necessary to match bottle collection numbers. Further instructions on back)

SAMPLE POINT ID	SAMPLE SITE LOCATION (location and inside sink)	WATER LAST USED DATE (MMDDYY)	WATER LAST USED TIME (HHMM)	SAMPLE COLLECTED DATE (MMDDYY)	SAMPLE COLLECTED TIME (HHMM)	DATE SUBMITTED TO LAB (MMDDYY)
LCR001 (Example)	5933 Miracle Springs Dr / Kitchen Sink (address must match what is in Drinking Water Watch, Site Selection Form and Monitoring Plan)	06/24/2014	0900	06/24/2014	1800	06/26/2014
001	Building 201 Utility	06/04/14	1321	06/05/2014	0605	
002	Building 44 Kitchen	06/04/14	1555	06/05/2014	0630	
003	Building 606 Kitchen	06/04/14	1500	06/05/2014	0600	
005	Building 95 kitchen	06/04/14	1600	06/05/2014	0640	
011	Building 210 kitchen	06/04/14	1600	06/05/2014	0753	
LCR						
LCR						
LCR						
LCR						
LCR						



01419643 95838

RECEIVED

TCEQ-20683 (rev.04/2014)

PRESERVED IN LAB 1:1 HNO3: 12764  
 BY: [Signature] DATE/TIME: @ 9:30  
 6-6-14

25 c.f. ♂  
 28.4°C



LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

I acknowledge that the information on this form is true and correct and sites selected for sampling following the PWS Monitoring Plan and that the TCEQ Form 20467 Site Selection and Materials Survey has been filled out and sent in to TCEQ for approval prior to sampling.

Refusing to sign and comply with sampling protocols as outlined in the following instructions or on this form will result in monitoring and reporting violation(s), possible enforcement, and fines.

Gabriel Hernandez 06/05/14  
Signature Name Date

INSTRUCTIONS

- FWS ID:** Water System identification number
- FWS Name:** Name of water system
- FWS Phone:** Phone number of water system
- FWS Certified Operator:** Certified Operator or Responsible Person who either took samples or is responsible for the samples
- Pages Submitted:** The # of pages of LCR/site location/ addresses you are including with bottles. Each page has 10 address possibilities.
- FWS Email:** System email for communication purposes
- Monitoring Period:** System's monitoring period 6M, 1 year, 3 year, or 9 year. <http://dww.tceq.state.tx.us/DWW/> under Sample Schedules left yellow column. Scroll down to find PBCU schedules – looks like 5/RT 3YR followed by 2014.

**Sample Point ID:**

Texas Drinking Water Watch – Sample Points – LCR numbers are addresses and numbers we currently have on file for the PWS. <http://dww.tceq.state.tx.us/DWW/>. Enter the Water System No. Click on the water system number in blue. Click on Sample Points found in yellow left column. Scroll the page down until you see LCR001, LCR002, LCR003, etc. These numbers are to be added to the front page. Each LCR001 has its own address and can't be changed once an address/location has been assigned to it.

Every system is required to update their PWS Monitoring Plan/Site Selection Form by completing TCEQ Form 20467 prior to sampling. The sampling pool requirements found in Title 30 Texas Administrative Code (30 TAC) §290.117(c) discuss the different Tiers associated with the Lead and Copper Rule Tap Sampling.

*Example: You have a population of 560 people and are on reduced sampling. You should have 20 LCR numbers and addresses = 10 as routine sample sites and 10 listed as backup sampling sites. This is your sampling pool. Complete TCEQ Form 20467 and send them in prior to sampling in 2014. We will update your Monitoring Plan at the same time. If you go out to sample and find that LCR003 does not want to participate this year, you have 10 other pre-approved sites to pull from LCR011 – LCR020. You are not allowed to swap out a new address with an old LCR003. You must have a new address with a new LCR number. Call if you still have questions.*

**Sample Site Location/Address:**

See above – the site location/address goes with a LCR001 number and is not swapped out at any time. Site location/addresses should be in Tiers according to the years and types of plumbing materials. It is required to use Tier 1 first, followed by Tier 2, followed by Tier 3, and finally – “other”. (30 TAC) §290.117(c)

**Water Last Used Date:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Water Last Used Time:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Collection Date:** The date sample was collected by PWS or homeowner. Please use MM/DD/YY format.

**Collection Time:** The time sample was collected by PWS or homeowner. Please use 24 hour clock when reporting HH/MM.

**Date Submitted to Lab:** The date bottles were hand-delivered or overnighted to lab. Please use MM/DD/YY format.

Texas Commission on Environmental Quality  
PO BOX 13087, Lead and Copper Program, Austin, Texas 78711-3087  
Telephone: 512-239-4691, Fax: 512-239-6050 Email: laurie.gehlsen@tceq.texas.gov

# Invoice



Invoice 125934  
Date 6/16/2014

Invoice To STEVEN HONECK  
25800 RALPH FAIR RD.  
BOERNE, TX 78015

Client CAMP STANLEY STORAGE ACTIVITY  
Account ID 002663  
Location  
PO  
Workorder TX0150117LCR\_060614 [Q1419643]

CC

Description	Qty	Unit Price	Extended Price
Lead/Copper	5	\$40.00	\$200.00
<b>Invoice Total</b>			<b>\$200.00</b>

## Charge Details

Lab ID	Sample ID	Collected	Received	Matrix	Charge
Q1419643001	LCR001 Lead/Copper	6/5/2014 06:05	6/6/2014	DW	\$40.00
Q1419643002	LCR002 Lead/Copper	6/5/2014 06:30	6/6/2014	DW	\$40.00
Q1419643003	LCR003 Lead/Copper	6/5/2014 06:00	6/6/2014	DW	\$40.00
Q1419643004	LCR005 Lead/Copper	6/5/2014 06:40	6/6/2014	DW	\$40.00
Q1419643005	LCR011 Lead/Copper	6/5/2014 07:53	6/6/2014	DW	\$40.00

## Payment Details

Please remit payment to the address below and include your invoice and account number. All invoices are due and payable net 30 days from receipt. A one percent (1%) per month late fee may apply to unpaid invoices after the due date.

For questions regarding payment or your account balance please contact Lori Ann Eaves at 1-800-776-5272, Ext. 6320 or 1-512-730-6320 or by email at [Lori.Eaves@lcra.org](mailto:Lori.Eaves@lcra.org). We accept Visa, MasterCard and Discover. For questions regarding your analytical services please contact LCRA Environmental Laboratory Services at 1-800-776-5272, Ext. 6022 or 1-512-730-6022. Thank you for your business.

July 23, 2014 Correspondence from TCEQ



Bryan W. Shaw, Ph.D, P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*



PWS\_0150117\_CO\_20140623\_PBCU Ltr

**Texas Commission on Environmental Quality**  
*Protecting Texas by Reducing and Preventing Pollution*

June 23, 2014

**CERTIFIED MAIL**

PAUL M SMITH  
CAMP STANLEY STORAGE ACTIVITY  
25800 RALPH FAIR RD  
BOERNE, TX 78015-4877

**Subject: NOTICE OF LEAD/COPPER EXCEEDANCE FOR PUBLIC WATER SYSTEMS**  
CAMP STANLEY STORAGE ACTIVITY – PWS ID No. 0150117  
BEXAR COUNTY, TEXAS

Attention: Public Water System Owner / Official / Manager

The Texas Commission on Environmental Quality (TCEQ) has completed a data review of lead and copper results sampled during 2014. The data review indicates your public water system (PWS) is required to take additional steps associated with a lead or copper exceedance.

In accordance with 30 TAC §290.117(b), the action level for lead is 0.015 milligrams per liter (mg/L) and the action level for copper is 1.3 milligrams per liter (mg/L). Sample results received for the compliance sampling period 2014 from CAMP STANLEY STORAGE ACTIVITY exceed the 90<sup>th</sup> percentile result for lead. The individual and 90<sup>th</sup> percentile sample reports can also be found on Drinking Water Watch <<http://dww.tceq.state.tx.us/DWW/>>.

90<sup>th</sup> percentile amount for copper 0.35 mg/L  
90<sup>th</sup> percentile amount of lead 0.025 mg/L

Per 30 TAC §290.117, if a PWS fails to meet the lead or copper action levels during any monitoring period, the PWS must increase sampling and treatment techniques as follows:

**1. Tap Water Lead and Copper Monitoring:** In accordance with 30 TAC §290.117(c)(2)(A), it requires a PWS that exceeded the lead or copper action levels to collect tap samples in two consecutive six-month monitoring periods at the standard number of sample sites per the table below. The standard number of Tap Water Lead and Copper samples is determined by population.

Population	Number of Samples
1 - 100	5
101 - 500	10
501 - 3,300	20
3,301 - 10,000	40
10,001 - 100,000	60
101,001 or more	100

Paul M. Smith  
Page 3  
June 23, 2014

**Failure to conduct or report lead consumer notification, public education, WQP sampling and/or corrosion control constitutes a monitoring / reporting or treatment technique violation and may lead to an enforcement action.**

If you believe the TCEQ data review is not accurate, please contact us with regards to your findings. If the TCEQ data review is accurate, please initiate the increased sampling and treatment techniques as outlined above.

The TCEQ appreciates your assistance in this matter. If you have any questions or need additional information, please contact Laurie Gehlsen, Water Supply Division, Public Drinking Water Lead and Copper Program at:

[Laurie.Gehlsen@tceq.texas.gov](mailto:Laurie.Gehlsen@tceq.texas.gov) or at (512) 239-4660

Sincerely,



Gary Chauvin, Manager  
Public Drinking Water Section  
Water Supply Division  
Texas Commission on Environmental Quality

Enclosures: Attachment A – Corrosion Control Study  
Attachment B – Public Education Requirements  
Attachment C – Lead Consumer Notice

cc: TCEQ Region 13



**Texas Commission on Environmental Quality (TCEQ)  
Form 20495 Corrosion Control Study for  
Small and Medium PWS and Treatment Recommendations**

**PWS General Information:**

1. PWS ID No: \_\_\_\_\_

2. Contact Person (print):	
3. Name of PWS	
4. Mailing Address	
5. Telephone #	
6. Fax # (if any)	

7. Population Served: \_\_\_\_\_

8. Person Responsible Name	
9. Signature	
10. Agency/Firm	
11. Date	
12. Telephone #	

**PWS Technical Information - Initial Tap Monitoring Results:**

13. First Round Tap Sampling Dates: From \_\_\_\_\_ to \_\_\_\_\_

Parameter	#	Minimum Sample (mg/l)	#	Maximum Sample (mg/l)	#	90th Percentile (mg/l)
Lead	14.		15.		16.	
Copper	17.		18.		19.	

20. Second Round Tap Sampling Dates: From \_\_\_\_\_ to \_\_\_\_\_

Parameter	#	Minimum Sample (mg/l)	#	Maximum Sample (mg/l)	#	90th Percentile (mg/l)
Lead	21.		22.		23.	

Copper	24.		25.		26.	
--------	-----	--	-----	--	-----	--

**Lead & Copper Entry Point Monitoring**

Identify entry points by location or name:

27. 1:  
28. 2:

29. Do you purchase water from another water system? (Yes/No) \_\_\_\_\_

TCEQ required every water system that exceeded the lead or copper action levels to sample each entry point. In the chart below, report the source water results for each entry point.

Parameter	1	2	3
30. Lead (mg/l)			
31. Copper (mg/l)			

**Entry Point Water Quality Parameter Results**

Report the quarterly values for each entry point. Show if you ran each test in the field or lab by checking the appropriate box.

32. Year 1, \_\_\_\_\_

Parameter	Entry point 1				Entry point 2				Entry point 3				FIELD	LAB
	1	2	3	4	1	2	3	4	1	2	3	4		
Quarter #														
33. pH														
34. Temp °C														
35. Alkalinity (mg/l) as CaCO <sub>3</sub>														
36. Calcium (mg/l) as Ca														
37. Conductivity as umho/cm @25°C														
38. *orthophosphate, mg/l as P														
39. *silica, mg/l as SiO <sub>2</sub>														

\* report only if the PWS has used this inhibitor

40. Year 2, \_\_\_\_\_

Parameter	Entry point 1	Entry Point 2	Entry Point 3	FIELD	LAB
-----------	---------------	---------------	---------------	-------	-----

Quarter #	1	2	3	4	1	2	3	4	1	2	3	4		
41. pH														
42. Temp °C														
43. Alkalinity (mg/l) as CaCO <sub>3</sub>														
44. Calcium (mg/l) as Ca														
45. Conductivity as umho/cm @25°C														
46. *orthophosphate, mg/l as P														
47. *silica, mg/L as SiO <sub>2</sub>														

\* report only if the PWS has used this inhibitor

48. Year 3, \_\_\_\_\_

Parameter	Entry Point 1				Entry Point 2				Entry Point 3				FIELD	LAB
	1	2	3	4	1	2	3	4	1	2	3	4		
49. pH														
50. Temp °C														
51. Alkalinity (mg/l) as CaCO <sub>3</sub>														
52. Calcium (mg/l) as Ca														
53. Conductivity as umho/cm @25°C														
54. *orthophosphate, mg/l as P														
55. *silica, mg/L as SiO <sub>2</sub>														

\* report only if the PWS has used this inhibitor

The following information is available from your minerals analysis report collected by our field contractor and sent to you by the Texas Commission on Environmental Quality. All chemical reports for your water system must be kept in your files for twelve years.

Parameter	Entry Point 1	Entry Point 2	Entry Point 3
56. Total Dissolved Solids (mg/l)			
57. Hardness (mg/l) as CaCO <sub>3</sub>			
58. Chloride (mg/l)			



59. Sulfate (mg/l)			
--------------------	--	--	--

**Distribution Water Quality Parameter Samples:**

- 60. How many samples did you take in the distribution system each quarter?  
Field Lab.
- 61. pH: minimum = \_\_\_\_\_ maximum = \_\_\_\_\_
- 62. Alkalinity: (mg/l as CaCO<sub>3</sub>)  
minimum = \_\_\_\_\_ maximum = \_\_\_\_\_
- 63. Temperature: °C  
minimum = \_\_\_\_\_ maximum = \_\_\_\_\_
- 64. Calcium: (mg/l as Ca)  
minimum = \_\_\_\_\_ maximum = \_\_\_\_\_
- 65. Conductivity: (umho/cm @ 25°C)  
minimum = \_\_\_\_\_ maximum = \_\_\_\_\_
- 66. Orthophosphate: (mg/l as P if used)  
minimum = \_\_\_\_\_ maximum = \_\_\_\_\_
- 67. Silica: (mg/l as SiO<sub>2</sub> if used)  
minimum = \_\_\_\_\_ maximum = \_\_\_\_\_

**Raw Water Quality: Results of Untreated Source Water Monitoring**

Identify all water sources by name (Aquifer, Wells, Lake, River, etc.)

- 68. Source No. 1: \_\_\_\_\_
- 69. Source No. 2: \_\_\_\_\_
- 70. Source No. 3: \_\_\_\_\_

Complete the following table for typical untreated water quality data if available. If you use surface water include data for each raw water source. If you use wells, water quality information for each well is acceptable but not necessary if several wells have similar data. For example, you can make water quality summaries for each well field or grouping of wells with similar quality.

**UNTREATED SOURCE**

Parameter	Source No. 1	Source No. 2	Source No. 3
71. pH units			
72. Alkalinity (mg/l) as CaCO <sub>3</sub>			
73. Conductivity umho/cm @25°C			

74. Total dissolved solids (mg/l)			
75. Calcium (mg/l) as Ca			
76. Hardness (mg/l) as CaCO <sub>3</sub>			
77. Temperature, °C			
78. Chloride (mg/l)			
79. Sulfate (mg/l)			

**Existing Conditions**

Existing Water Treatment:

80. Describe the water treatment facility below listing all disinfection and filtering methods used.

81. List chemicals normally fed: \_\_\_\_\_

82. List chemicals fed occasionally: \_\_\_\_\_

**Existing Distribution System:**

83. Does the distribution system contain lead service lines? (Yes/No) \_\_\_\_\_

When were they installed? \_\_\_\_\_

84. If Yes, how many can be found from existing records? (None/Some/Most/All) \_\_\_\_\_

85. How often is the distribution system flushed? \_\_\_\_\_

**Present Corrosion Control Treatment**

86. Does the system already use corrosion control treatment? (Yes/No) \_\_\_\_\_

87. If "Yes," is an inhibitor (polyphosphate, orthophosphate, etc.) (Yes/No) \_\_\_\_\_

88. When was this treatment started? (Date) \_\_\_\_\_

89. Present inhibitor dose: \_\_\_\_\_

**Residual of the inhibitor in distribution system:**

90. Minimum (mg/l) \_\_\_\_\_

91. Maximum (mg/l) \_\_\_\_\_

92. Brand name: \_\_\_\_\_

93. Type of inhibitor (phosphate or silica): \_\_\_\_\_

94. Has the inhibitor been effective? Please comment on your experience.  
\_\_\_\_\_

74. Total dissolved solids (mg/l)			
75. Calcium (mg/l) as Ca			
76. Hardness (mg/l) as CaCO <sub>3</sub>			
77. Temperature, °C			
78. Chloride (mg/l)			
79. Sulfate (mg/l)			

**Existing Conditions**

Existing Water Treatment:

80. Describe the water treatment facility below listing all disinfection and filtering methods used.

81. List chemicals normally fed: \_\_\_\_\_

82. List chemicals fed occasionally: \_\_\_\_\_

**Existing Distribution System:**

83. Does the distribution system contain lead service lines? (Yes/No) \_\_\_\_\_

When were they installed? \_\_\_\_\_

84. If Yes, how many can be found from existing records? (None/Some/Most/All) \_\_\_\_\_

85. How often is the distribution system flushed? \_\_\_\_\_

**Present Corrosion Control Treatment**

86. Does the system already use corrosion control treatment? (Yes/No) \_\_\_\_\_

87. If "Yes," is an inhibitor (polyphosphate, orthophosphate, etc.) (Yes/No) \_\_\_\_\_

88. When was this treatment started? (Date) \_\_\_\_\_

89. Present inhibitor dose: \_\_\_\_\_

**Residual of the inhibitor in distribution system:**

90. Minimum (mg/l) \_\_\_\_\_

91. Maximum (mg/l) \_\_\_\_\_

92. Brand name: \_\_\_\_\_

93. Type of inhibitor (phosphate or silica): \_\_\_\_\_

94. Has the inhibitor been effective? Please comment on your experience.

\_\_\_\_\_

- \_\_\_\_\_
95. Does the system use pH or alkalinity adjustment for corrosion control?  
(Yes/No)\_\_\_\_\_
96. If "Yes," what is the pH target?  
\_\_\_\_\_
97. What is the alkalinity target (mg/L CaCO<sub>3</sub>)?  
\_\_\_\_\_
98. Does the system use calcium adjustment for corrosion control?  
(Yes/No)\_\_\_\_\_
99. If "Yes," what is the calcium target (mg/L Ca)? \_\_\_\_\_
100. Have there been any previous corrosion control studies (Yes/No)? \_\_\_\_\_
101. If "Yes," please show the date(s) of this study. \_\_\_\_\_
102. Who conducted the corrosion control study? \_\_\_\_\_
103. Briefly describe the results of this study. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
104. (Optional) Results of previous study attached (Yes/No). \_\_\_\_\_
105. Were treatment changes recommended (Yes/No)? \_\_\_\_\_
106. Were treatment changes carried out (Yes/No)? \_\_\_\_\_
107. What improvements have you seen in your water quality since you installed a corrosion control treatment?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**How have you measured this change?**

108. Frequency of complaints \_\_\_\_\_
109. Less corrosion seen during pipe repairs \_\_\_\_\_
110. Other (describe) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
111. Does the water system have calcium carbonate scaling problems (Yes/No)?  
\_\_\_\_\_
112. Is the water system treating for iron or manganese problems (Yes/No)? \_\_\_\_\_

113. Describe any type of customer complaints you have received and their severity. (taste and odor, color, sediments, scaling or staining)

---

---

---

\*Treatment Constraints: (If you don't complete this section, we cannot approve your study.)

Optimal corrosion control treatment means the corrosion control treatment that reduces the lead and copper concentrations at users' taps while assuring that the treatment does not cause the water system to violate any national primary drinking water regulations. In the lines below discuss your reasons for choosing to use or not to use each of the following corrosion control strategies. Be sure to consider the feasibility of each type of treatment. Some treatments may be too expensive or require highly skilled personnel to maintain them. If your PWS uses surface water, pH adjustment could exceed the limits of your CT study. You should choose a corrosion control system that is cost effective and easy to operate, but that does not violate any other state drinking water rules and regulations. See the Instructions for other constraints you should consider when choosing a corrosion control treatment.

114. Carbonate Passivation (pH/Alkalinity Adjustment) pH or alkalinity adjustment would/would not (circle one) be a good choice of corrosion control because:

---

---

---

115. Calcium Precipitation (Calcium Adjustment)

---

---

---

Calcium adjustment would/would not (circle one) be a good choice of corrosion control because:

---

---

---

116. Inhibitor Passivation (Phosphate or Silica Based)

---

Inhibitor passivation with either a phosphate or silica-based corrosion control additive would/would not (circle one) be a good choice of corrosion control because:

---

---



---

**Evaluation: (If you do not complete this section, we cannot approve your study.)**

117. List the PWS's that you have reviewed as references for this study (include name and ID #):

---

118. In the space below, briefly summarize the reviews of corrosion control for PWS's similar in water chemistry, size, etc. to your PWS. Identify what corrosion control treatment they used (no treatment at all, pH/alkalinity adjustment, calcium adjustment, or a phosphate or silica-based inhibitors) and if the treatment was successful. You may attach the summary or report for each PWS to this form or use more pages if needed.

---

---

---

**Recommendations/Proposed Treatment: (If you do not complete this section for one of the five options, we cannot approve your study.)**

The corrosion control treatment method being proposed for this public water system is:

\*\*\* 119. OPTION 1: CARBONATE PASSIVATION (pH/Alkalinity adjustment)  
(Yes/No) \_\_\_\_\_

\*\*\* 120. If "yes," target pH range = \_\_\_\_\_ to \_\_\_\_\_ and target alkalinity range = \_\_\_\_\_ to \_\_\_\_\_ mg/L as CaCO<sub>3</sub>.

\*\*\* 121. OPTION 2: CALCIUM PRECIPITATION (Calcium adjustment)  
(Yes/No) \_\_\_\_\_

152. If "yes," target calcium concentration range = \_\_\_\_\_ to \_\_\_\_\_ mg/l Ca

122. Target pH = \_\_\_\_\_ to \_\_\_\_\_ and target alkalinity = \_\_\_\_\_ to \_\_\_\_\_ as CaCO<sub>3</sub>.

\*\*\* 123. OPTION 3: INHIBITOR PASSIVATION (Use of an inhibitor)  
(Yes/No) \_\_\_\_\_ (check one)

124. \_\_\_\_\_ Phosphate based

125. \_\_\_\_\_ Silica based

126. Brand name \_\_\_\_\_

127. Target dose \_\_\_\_\_ mg/l

128. Target residual range \_\_\_\_\_ to \_\_\_\_\_ mg/l orthophosphate as P or silica as SiO<sub>2</sub>

129. pH operational range \_\_\_\_\_ to \_\_\_\_\_.

130. Alkalinity operational range \_\_\_\_\_ to \_\_\_\_\_ as CaCO<sub>3</sub>

131. OPTION 4: Continue Using Present Corrosion Control. Describe the treatment you are currently using. \_\_\_\_\_

132. List the ranges of the appropriate parameters.

pH operational range \_\_\_\_\_ to \_\_\_\_\_.

Alkalinity operational range \_\_\_\_\_ to \_\_\_\_\_ as CaCO<sub>3</sub>

Calcium range = \_\_\_\_\_ to \_\_\_\_\_ mg/l Ca

Inhibitor ranges:

\_\_\_\_\_ Phosphate based

\_\_\_\_\_ Silica based

Brand name \_\_\_\_\_

Target dose \_\_\_\_\_ mg/l

Target residual range \_\_\_\_\_ to \_\_\_\_\_ mg/l orthophosphate as P or silica as SiO<sub>2</sub>

133. If your current corrosion control treatment was in place at the time of your lead or copper exceedance, why do you believe the exceedance occurred? (For example: equipment failure, improper sampling procedures, etc.)

134. OPTION 5: Alternative treatment not listed above or no treatment at all. Please summarize this treatment and your rationale for arriving at this decision.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Summary**

135. In the space below discuss the rationale for the proposed corrosion control treatment. You may attach a full report. Use extra sheets if needed.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

After we approve this study, you will have 24 months to install the treatment you proposed. We will require that you conduct two rounds of lead and copper tap sampling to prove that your choice of corrosion control has been effective. If your water system fails to meet the action levels for lead and copper, we will require that you reevaluate your corrosion control treatment.

136. If you have proposed to install corrosion control treatment, is it installed now?  
\_\_\_\_\_ Yes/No.

If "yes," when was it installed? \_\_\_\_\_ (date)

If "no," when do you expect to install it? \_\_\_\_\_ (date)

137. If you have installed corrosion control treatment, are you ready to begin follow-up lead and copper tap sampling? \_\_\_\_ Yes/No.

If you are not ready to sample now, when do you expect to be ready \_\_\_\_\_ (date)

**WARNING:** 30 TAC 290.39(h) and (j) requires prior approval by TCEQ before you can begin the construction of a public drinking water supply system or any of its components. The new Lead/Copper Rule Short Term Revision requires all corrosion control treatment be approved before installation. Please contact the TCEQ Plan Review Team at 512/239-4691 to request approval for the corrosion control system you have proposed.

**List of Helpful References and Phone Numbers:**

EPA National Drinking Water Hotline 1-800-426-4791

Texas Water Utility Association 1-888-367-8982

US EPA Region 6 Dallas 1-800-887-6063

Texas Engineering Extension Service TEEX 1-877-833-9638

Texas Rural Water Association TRWA 512/472-8591

AWWA Small Systems Hotline 1-800-366-0107

Regional Offices of TCEQ: Contact the Regional Office nearest you.

TCEQ Lead/Copper Coordinator 512-239-4660

Lower Colorado River Authority Environmental Laboratory Services 1-877-362-5272

**Mail Completed Report to:**

*Texas Commission on Environmental Quality  
Water Supply Division/Public Drinking Water Section  
Lead/Copper Coordinator, MC-155  
P O Box 13087  
Austin TX 78711-3087  
512/239-4660*

\*\*\* Always keep a copy of every document you send to TCEQ. We require all Lead/Copper documents be kept on file for twelve years.



**Texas Commission on Environmental Quality (TCEQ)**  
**Form 20495 Corrosion Control Study Instructions**

**What is it?**

If your water system exceeded the action level for lead or copper, you must submit a corrosion control study to our office. You will have twelve months to gather data and prepare the study. This summary will hopefully answer some of your questions, but feel free to call us for more help. If you buy water from another system, the provider and receiver will be responsible for conducting this study. It is your responsibility to enter into an agreement with the provider to see that the study gets done. Failure to submit the study will constitute a violation of state and federal rules.

The lead or copper in the samples you collected probably came from the first few feet of plumbing behind the tap. Sources for lead are usually lead/tin solder or brass. The source of copper is usually copper pipe. Whatever the source, it was the chemistry of the water you produced that caused the lead or copper to leach into the water. The study you will submit to us will basically examine the water chemistry in your system and outline what you can do to stop the leaching.

The TCEQ refers to this study as a "corrosion control study." Since you are a small water system, they are not requiring you to conduct expensive coupon or pipe loop studies. Instead, you can conduct a "corrosion control study". The TCEQ published a corrosion control study document called a "Form 20495". We can send it to you upon request.

The TCEQ has outlined some specific items that you must cover in the study. We have briefly summarized them for you below.

1. By the time you submit this study to us, you will have been collecting your water quality parameters each calendar quarter for up to two years. This chemical data has to be listed in your study. It will give all of us important clues about how to best fix the corrosion problem caused by your water.
2. You must tell us how you are treating your water now. Describe your water plant and list all the chemicals you use. If you are treating for iron or manganese or if you have "scaling" water, be sure to include this information as well.
3. You must locate neighboring water systems that have water chemistry and a plant like yours and find out what they are doing to correct their corrosion problem. Document what you have found. This will help you make a choice about what treatment you will use on your water.
4. The most important part of your study is choosing a treatment. In your study, you must examine all the options you could use. We urge you to seek professional advice for this. Be sure you weigh all your options before proposing a treatment. You should consider effectiveness, of course, but also cost and ease of operation and maintenance! Make sure you consider other water treatment requirements, such as your disinfection capabilities or iron and manganese problems.
5. When you have chosen a treatment for your water system, you must report proposed operational ranges for pH and alkalinity. You must also report ranges for orthophosphate, calcium, or silicate if these parameters apply to the treatment you have chosen. The ranges should reflect values you expect to see in the distribution system. When you conduct follow-up

tap sampling to see if your treatment is working, you are allowed to make necessary adjustments in the ranges.

### What's next?

After you have submitted the study and we have approved it, you are allowed up to two years to install the proposed and approved treatment.

## OUT YOUR TCEQ FORM 20495

## INSTRUCTIONS ON HOW TO FILL

### CORROSION CONTROL STUDY FOR SMALL AND MEDIUM PUBLIC WATER SYSTEMS AND TREATMENT RECOMMENDATIONS

We numbered each line to correspond with these instructions. Use them as a reference tool to complete the forms. More detailed instructions can be found in Lead and Copper Rule Guidance Manual Vol. 2: Corrosion Control Treatment published by American Water Works Association for USEPA or by contacting the agencies listed at the end of this document. TAC 290.117 gives the State the authority to require a corrosion control study and describes what you should include in such a study. You have 12 months from the end of the monitoring period of the exceedance in which to complete this form and submit it to TCEQ for approval.

### PUBLIC WATER SYSTEM (PWS) GENERAL INFORMATION

(The number in the left margin below matches the line number on Form 20495)

1. **PWS Identification no.** This number is the seven digit number assigned to your PWS by the TCEQ. You should use it on all correspondence.
  
- 2 - 6. **Contact Person:** Give the name of the person directly responsible for the corrosion control program (lead/copper program), mailing address, current phone number and fax number.
  
7. **Population Served:** This is the actual population served by your system, NOT the number of meters you have in the system. You may estimate the population served by multiplying the number of meters (connections) by three. Your population number should be equal or close to the population you listed in the "Lead/Copper Sample Site Selection Form." Schools should give the total of number staff and students. Businesses should report the total number of employees.
  
- 8 - 12. **Person responsible for preparing this form:** Give the name of the person preparing this form. If an engineering firm or chemical supply company is preparing this report for you, in person in that company should give us the required information.

### PWS TECHNICAL INFORMATION

13. & 20. **Initial Tap Monitoring Results:** List dates for the first and second six month Sampling periods.
  
- 14 - 19 & 21 - 26. **Tap Monitoring Results:** To complete this section, you will need the lead/copper result reports sent to you by TCEQ which list all the samples you sent in and their results. Write the highest and lowest values you had for lead and copper in the blanks listed. The exceedance notification letter we sent to you by certified mail will list the 90th percentile value for lead and copper. If this letter is not available to you, you may find the 90th percentile yourself.

**How to find the 90th percentile:** To find the 90th percentile lead value, arrange your samples from the lowest lead level to the highest lead level in a list. Number your samples from



the lowest lead/copper value to the highest lead/copper value. Multiply the number of samples by 0.9. If you have ten samples, then  $10 \times 0.9$  is 9. Find sample number 9. This sample is the 90th percentile. If you only have five samples, the 90th percentile is the average value of the two highest lead samples. (Add your two highest values and divide by 2.) A 90th percentile value higher than 0.015 mg/L for lead and 1.30 mg/L for copper is an exceedance. TCEQ can calculate this value for you upon request.

### **Lead & Copper Entry Point Monitoring:**

**27 - 28. Entry Points:** Identify the entry points in your distribution system. An entry point is a sampling tap after all treatment of the water is complete and before the water goes out to the customers. It could be a tap at the clear well, storage tank, or pressure tank. If you have more than two entry points, attach an extra sheet with results so you include all entry points in the report.

**29.** If you purchase water from another water system, they should help you with completing this form.

**30 - 31.** In this chart, report the results of your source water analysis for lead and copper conducted when you first exceeded the lead/copper action levels.

### **Entry Point Water Quality Parameter Results**

**32 - 55.** This chart is for the water quality parameter results you have been sending to TCEQ each quarter. The chart provides spaces for information you gathered each quarter for up to three years. Be sure to show if the test was done in the field or at a lab.

**56 - 59.** This information is available from your Texas Commission on Environmental Quality (TDH) minerals analysis. A TCEQ contract sample collector has taken a mineral sample from your entry point at least once every three years. The TDH should have sent you the results of this sample. You can get the hardness, total dissolved solids (TDS), chloride, and sulfate values from that report.

### **Distribution Water Quality Parameter Samples.**

This section deals with the distribution samples you took for the quarterly water quality parameter (WQP) reports.

**60.** Show how many distribution samples for WQP's you took each quarter.

**61 - 65.** Look over the reports you have and report the minimum and maximum value for each parameter listed in this section. Since you collected data more than four seasons of the year, these values may have a large range for the year. The water chemistry in your distribution system may change during the year. This knowledge will help you plan for corrosion control fluctuations. Dead ends and far reaches of the distribution system may have a large range of values.

**66 - 67.** Only report values for orthophosphates or silica if you have been using these chemicals for corrosion control. The right column shows if you ran the test in the field or in the lab.

### **Raw Water Quality: Results of Untreated Source Water Monitoring.**

**68 - 70.** This section is for your raw water source(s). List the aquifers, wells, well fields, lakes, or rivers used as your water source(s) by name.

- 71 - 79. Report chemical values, if available, for your raw untreated water from each source. Before a new well is placed into service, the driller should have submitted raw water samples to the Texas Department of State Health Services Laboratory or the Lower Colorado River Authority Environmental Laboratory Services for analysis. Some of this data may be on file at the TCEQ, and you may obtain it through our Central Records office 512/239-2900. You may also obtain copies of drillers' logs and well data through the Texas Water Development Board 512/463-8337.

### Existing Conditions, Existing Water Treatment

- 80 - 82. In this section, describe your water treatment facilities and the chemicals you use. List all the chemicals you normally feed and occasionally feed into your system. Include disinfection, softening, and sequestering chemicals.

### Existing Distribution System

- 83 - 84. This section deals with your distribution. It is unlikely your distribution system has lead service lines unless it is very old. If it does, do you know where they are?
85. Part of good system management involves flushing your dead end lines, and we would like to know how often your distribution system is flushed. When water stagnates in a dead end main, water pH will often drop to corrosive levels.

### Present Corrosion Control Treatment

86. If your system does not presently use corrosion control or treat for iron and manganese, answer "no" to **line 86** and skip down to **line 100**. If you have already been using a form of corrosion control or sequestering agents, answer "yes" to **line 86**, and answer all questions through **line 100**.
87. An inhibitor or sequestering agent is a chemical, usually phosphate or silicate based, used to reduce corrosion or to control iron and manganese.
88. Tell us the date you started any corrosion control or iron and manganese sequestering in your system.
89. Tell us your present inhibitor dose (if used) at the treatment plant.
- 90 - 91. Tell us the range of inhibitor residual that is in your distribution system now if you are using an inhibitor.
92. Provide the manufacturer's name and their name for the product.
93. Is the inhibitor phosphate based or silica based?
94. Did the inhibitor control corrosion in your system? You may have been using the inhibitor to control "red water" problems or to extend the life of pipe in your distribution system besides lead and copper control. Has the inhibitor accomplished this for you? Discuss your results.
95. If your system uses pH control or alkalinity adjustment for corrosion control with lime, soda ash, or sodium bicarbonate, caustic soda, or carbon dioxide either with or without an inhibitor, answer "yes" here.

96. What is your target pH for your finished water?
97. What is your target alkalinity for your finished water?
98. If you add chemicals to change your calcium level for corrosion control such as lime, soda ash, sodium bicarbonate, caustic soda, or carbon dioxide, either with or without an inhibitor, you should answer "yes" here.
99. What is your target calcium level in your finished water?
100. If your water system has ever done any kind of study dealing with corrosion control in the distribution system, answer "yes."
101. Show the date(s) the study was done.
102. Show if an outside firm did this study, such as an engineer or chemical firm, or by the water system itself.
103. What did the study find? Did the study result in a change in the water treatment, and was it successful?
104. Attach your study results if they are available.
105. Referring to the study discussed above, were any changes recommended and were changes put in place within the water system?
106. Was the corrosion treatment installed in your system?
107. Describe the improvements you have seen in water quality.
- 108 - 110. If you saw a change in the corrosion in your system, how did you know this change had happened and how did you measure this change? Check off the appropriate category. Perhaps you have noticed that fewer customers call you with "dirty water" complaints.
111. If your water system produces scaling water, your customers will report calcium carbonate scale on their faucets, sinks, coffee pots, and inside hot water heaters.
112. If you are treating for iron and manganese, tell us what product (brand name) you are using and include its chemical type. If you are using a phosphate based sequestering chemical, it may be a zinc or sodium compound with a poly, orthophosphate, or blended phosphate or a combination of these chemicals. If you are not sure what chemical combinations you have, ask the vendor who sold it to you.
113. Certain types of complaints from your customers provide valuable clues about the water chemistry in your system. Give a short description of the complaints.

**Treatment Constraints: If you do not complete this section, we cannot approve your study.**

- 114 - 116. This section will help you choose a method of corrosion control that does not interfere with any other state or federal rule. Part of the lead/copper rule specifically states that your corrosion control should not have a detrimental impact on regulatory or

functional constraints. To help you decide if the proposed treatment would meet these requirements, study the effects your proposed corrosion control would have on the regulatory requirements and the functional requirements.

**You should consider some points when choosing a corrosion control treatment.**

- If you increase the pH before disinfection, the higher pH will reduce inactivation effectiveness of free chlorine. This may cause you to have some positive bacteriological samples. If you have a surface water system, this may affect your ability to meet disinfection requirements of the Surface Water Treatment Rule. It may be necessary for you to conduct daily CT calculations or to submit a revised CT study to ensure compliance with the SWTR if pH adjustment occurs within the disinfection zone.
- A raise in pH may cause the precipitation of lime (calcium), aluminum, iron and manganese. This may generate customer complaints.
- If you adjust the pH before disinfection, you may also increase THM concentrations.
- In-plant adjustments may affect the removal of radioactive particles if you use precipitation techniques for coagulation or softening. Modifying softening practices to achieve corrosion control could interfere with removals.

**You should consider functional constraints when choosing a corrosion control treatment.**

- Installing corrosion control will require the addition of controls and chemical feed equipment. You might have to train water operators to maintain the equipment and chemicals, and they may have to monitor the water plant more frequently.
- Multiple entry points will require corrosion control treatments at each site. If different entry points have different water characteristics, you must adjust chemical doses for each water source.
- Excessive calcium precipitation can clog distribution lines. You can calculate the potential for precipitation with an index called the Calcium Carbonate Precipitation Potential (CCPP). A qualified engineer with water system experience can calculate this value for you.
- If you use sodium-based chemicals for alkalinity or pH adjustments, you may have excessively high sodium values in the finished water if your raw water sodium values are already a problem.
- If you choose to use a zinc-orthophosphate, you may exceed allowable zinc or phosphate levels in your community's treated sewage effluent. Check your NPDES sewage permits for zinc and phosphate limits to see if this may be a problem.
- Changes in water chemistry may affect health care facilities, and you should advise them of pending changes.
- Some corrosion control treatments may be too costly to install and operate.

- Some chemical vendors are more reliable and offer more reasonably priced products than others. Shop around and get references from neighboring water systems.

**Evaluation: If you do not complete this section, we cannot approve your study.**

- 117.** List the public water systems you have studied by name and list their ID number. You may use out-of-state water systems provided they have similar water and similar size distribution systems. We require no ID number for out-of-state systems, but you must provide the name and address.
- 118.** In this section, discuss the analogous water systems you have listed at **line 117**. Describe their source water, their water treatment, including their corrosion control, their distribution system, and, most important, if their corrosion control reduced the lead and copper levels below the action levels.

**Recommendations/Proposed Treatment: If you do not complete this section for one of the five options, we cannot approve your study.**

#### **Options 1, 2, and 3**

**119 - 130.** The USEPA defines three approaches to corrosion control: Carbonate Passivation, Calcium Precipitation, and Corrosion Inhibitor Passivation. (See the table below) At this point you should select a method that best applies to your system using the information you have collected in this report. This section will establish guidelines that your PWS plans to follow. If the state approves your target operational ranges for pH, alkalinity, or calcium, or for the target dose and residual range for an inhibitor, we will expect your PWS to operate within these guidelines. If your follow-up tap sampling does not prove that your corrosion control is effective (you exceed the action level for lead or copper at the percentile), you must reevaluate your corrosion control treatment for possible adjustments. Fill lines 119 to 130 if they apply to your system.

#### **Options 4 and 5**

**131 & 133.** If you were already using a corrosion control treatment when you sampled your system and exceeded lead or copper action level, you may propose not to change your treatment. If you select this option, you must give us a valid reason the treatment did not prevent the leaching of lead and/or copper into your customer's first draw sample. You can probably use the same treatment you were using before with some modifications of the chemical parameters involved. For example, you may need to boost your pH or alkalinity levels or use a different chemical mix for an inhibitor. If you were already using a sequestering agent for iron and manganese, discuss your lead/copper problem with the vendor. They can probably suggest a better product for you that will control both your iron/manganese and lead/copper problems. In line 134, you must give us your present operational ranges or your proposed modified operational ranges. If you make no changes in your treatment, you must give us a valid reason why you believe you exceeded the action level for lead and/or coppers (line 135). Perhaps someone was not feeding the sequestering agent into the system at the time of sampling or the samples were collected at invalid sites. We will test your choice of options with two follow up rounds of lead and copper tap sampling within 36 months of study approval.

#### **Option 5**



134. OPTION 5 deals with alternative treatments, such as flushing, or using no treatment at all. For example, USEPA has authorized the use of daily automated flushing systems to flush the plumbing in very small water systems. They allowed a small elementary school to do this each morning instead of installing chemical corrosion control.

You can propose the use of no treatment if the water displays a positive Langelier index or calcium carbonate precipitation potential (CCPP) and/or you can attribute the exceedance to sampling error. The Langelier index and the CCPP are two common ways to calculate the degree of corrosivity water has. We can calculate these values for you upon request.

**Summary**

135. Explain your choice for this Option (1, 2, 3, 4 or 5) of corrosion control. Use extra sheets if necessary.
136. If you have installed a method of corrosion control (Options 1 through 5), answer the questions in this line.
137. This agency will test your option choice with two follow-up rounds of lead and copper tap sampling within 36 months after this study's approval. Even if you are proposing "no treatment," you must conduct follow-up rounds. Should you fail either of the two rounds, you must reevaluate your study and propose a new treatment.

**SCREENING OF ALTERNATIVES: CONTROL APPROACHES**

Control Mechanism	⇒	Passivation		Precipitation
Treatment Approach	⇒	pH/Alkalinity	Corrosion Inhibitor	Calcium Adjustment
Key Water Quality Parameters	⇒	pH, Alkalinity TDS, Temperature	pH, Alkalinity, Metals, Hardness, Temperature	Calcium, pH, Alkalinity, TDS, Temperature
Appropriate Chemical Feed Systems	⇒	Lime, Aeration Soda Ash Sodium Bicarbonate Caustic Soda Carbon Dioxide Calcite Filter	Orthophosphate Silicates Polyphosphate Ortho-polyphosphate	Lime Soda Ash Sodium Bicarbonate Caustic Soda Carbon Dioxide

Revised 07/01/2012



LEAD AND COPPER WATER QUALITY PARAMETER REPORT FORM

Texas Commission on Environmental Quality – Public Drinking Water Section

SECTION I. Public Water System Information				SECTION II. WQP TYPE				
PWSID#: TX				<input type="checkbox"/> INITIAL <input type="checkbox"/> ANNUAL <input type="checkbox"/> TRIENNIAL				
PWS NAME:				TAP LEAD OR COPPER EXCEEDANCE: <input type="checkbox"/> YES <input type="checkbox"/> NO				
PHONE #:				<input type="checkbox"/> DS SYSTEM <input type="checkbox"/> ENTRY POINT				
PWS TYPE: <input type="checkbox"/> COM <input type="checkbox"/> NTNC				# OF DS SAMPLES REQUIRED:		# OF DS SAMPLES SUBMITTED:		
POPULATION: <input type="checkbox"/> >100,000 <input type="checkbox"/> 50,001 TO 100,000 <input type="checkbox"/> < 50,000				# OF EP SAMPLES REQUIRED:		# OF EP SAMPLES SUBMITTED:		
PWS CONTACT NAME:		TITLE	DATE	<input type="checkbox"/> PWS USES ORTHOPHOSPHATE, SILICA, OR CALCIUM INHIBITOR _____				
PWS AUTHORIZED SIGNATURE				PWS COMMENTS:				
SECTION III. WQP ANALYTICAL INFORMATION								
SAMPLE LOCATION ADDRESS	FIELD MEASUREMENTS		PARAMETERS (LAB APPROVED)				LAB SAMPLE ID NUMBER	COLLECTION DATE
	Analyte Code / Name / Unit of Measurement		Analyte Code / Name / Unit of Measurement <small>* required when using a corrosion control inhibitor containing phosphate or silicate compounds</small>					
	1925 pH	1996 Temperature (°C)	1927 Alkalinity (mg/L)	Analysis Method	1064 Conductivity (µmho/cm)	Analysis Method	<input type="checkbox"/> 1044 Orthophosphate * <input type="checkbox"/> 1049 Silica * <input type="checkbox"/> 1919 Calcium * (mg/L)	Analysis Method
SECTION IV. APPROVED LABORATORY INFORMATION				SECTION V. TCEQ REVIEW STATUS				
LABORATORY NAME:		LABORATORY ID #:		<input type="checkbox"/> ACCEPTED <input type="checkbox"/> DISAPPROVED				
LABORATORY ADDRESS:		LAB PHONE #:		REVIEW COMMENTS:				
LAB CONTACT NAME:		SIGNATURE:		INTERNAL TCEQ INITIALS AND DATE:				



LEAD AND COPPER WATER QUALITY PARAMETER REPORT FORM

Texas Commission on Environmental Quality – Public Drinking Water Section

INSTRUCTIONS FOR FILLING OUT THE LEAD AND COPPER WATER QUALITY PARAMETER REPORT FORM

(USE 2<sup>ND</sup> FORM IF NEEDED)

SECTION I. PWS INFORMATION

1. PWSID# TX: FILL IN THE PWS ID NUMBER
2. PWS NAME: FILL IN THE PWS NAME
3. PHONE #: FILL IN THE PWS CONTACT NUMBER
4. PWS TYPE: CHECK IF PWS IS COMMUNITY OR NTNC
5. POPUL: CHECK APPLICABLE PWS POPULATION
6. PWS AUTHORIZED PERSON=CONTACT NAME, TITLE, DATE
7. PWS AUTHORIZED SIGNATURE

SECTION II. WQP TYPE

1. CHECK FOR WQP MONITORING SCHEDULE (INITIAL, ANNUAL, 3YR)
2. CHECK WHETHER PWS IS COMPLETING WQP SAMPLING DUE TO AN EXCEEDANCE
3. CHECK WHETHER THEY SAMPLES ARE TAKEN IN DISTRIBUTION SYSTEM OR ENTRY POINTS TO THE DISTRIBUTION SYSTEM – OR BOTH
4. WRITE IN HOW MANY DS SAMPLES WERE REQUIRED AND HOW MANY WERE TAKEN AND SUBMITTED TO TCEQ
5. WRITE IN HOW MANY EP SAMPLES WERE REQUIRED AND HOW MANY WERE TAKEN AND SUBMITTED TO TCEQ
6. CHECK WHETHER YOU USE CC TREATMENT OR NOT – WRITE IN WHAT TYPE
7. PWS COMMENTS TO TCEQ

SECTION III. WQP ANALYTICAL INFORMATION

1. SAMPLE LOCATION ADDRESS: FILL IN ADDRESS WHERE SAMPLED (REPRESENTATIVE SITES, USUALLY AT THE SAME TIME AND LOCATION AS BACTERIOLOGICAL SAMPLES)
2. FIELD MEASUREMENTS – SAMPLES TAKEN IN THE FIELD ARE pH AND TEMPERATURE. FILL IN THE AMOUNTS IN THE BOX NEXT TO THE LOCATION ADDRESS  
1925 IS THE ANALYTICAL CONTAMINANT CODE FOR pH AND 1927 IS THE ANALYTICAL CONTAMINANT CODE FOR TEMPERATURE  
THESE CAN BE DONE IN THE FIELD BY THE PWS DESIGNATED PERSON NO MORE THAN 15 MINUTES AFTER SAMPLE COLLECTION OR AT A LABORATORY.
3. PARAMETERS – SAMPLES TAKEN HERE ARE TO GO TO AN APPROVED LAB FOR ANALYSIS. THE APPROVED LAB WILL FILL IN THE AMOUNTS ALONG WITH THE ANALYSIS METHOD.  
ANALYTICAL CONTAMINANT CODES ARE LISTED ABOVE EACH ANALYTE 1927 = ALKALINITY, 1064 = CONDUCTIVITY, 1044 = ORTHOPOSPHATE, 1049 = SILICA, 1919 = CALCIUM  
THE 1044, 1049, AND 1919 ARE ONLY ANALYZED IF THE PWS USES A CORROSION CONTROL INHIBITOR
4. LAB SAMPLE ID NUMBER: FILLED IN BY THE LAB
5. COLLECTION DATE: FILL IN DATE WHEN THE SAMPLE WAS COLLECTED

SECTION IV. APPROVED LABORATORY INFORMATION

1. LABORATORY NAME: LAB TO FILL IN APPROVED LAB NAME
1. LABORATORY ID #: LAB TO FILL IN NUMBER FROM TCEQ
2. LABORATORY ADDRESS AND TELEPHONE NUMBER:
3. LABORATORY CONTACT PERSON AND SIGNATURE

SECTION V. TCEQ REVIEW STATUS

1. RESERVED FOR INTERNAL TCEQ USE

RETURN SIGNED RESULTS TO ADDRESS BELOW WITHIN 10 DAYS AFTER THE END OF THE MONITORING PERIOD

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 DRINKING WATER QUALITY / PUBLIC DRINKING WATER SECTION – MC 155  
 PO BOX 13087  
 AUSTIN, TEXAS 78711-3087



Texas Commission on Environmental Quality  
Lead Copper Rule for Community Water Systems

**Lead Exceedance Public Education Requirements**

A public water system that exceeds the lead action level at the 90th percentile tap sample shall deliver to the public the public education materials listed, and shall provide copies of the public education materials to the TCEQ within ten days after the delivery of the materials to the public. All activities must be repeated once every **6 months** as long as the Public Water System is in Lead exceedance status.

"SOME HOMES IN THIS COMMUNITY HAVE ELEVATED LEAD LEVELS IN THEIR DRINKING WATER. LEAD CAN POSE A SIGNIFICANT RISK TO YOUR HEALTH. READ THE ENCLOSED NOTICE FOR FURTHER INFORMATION".

**STEP ONE**

The Texas Commission on Environmental Quality (TCEQ) and (insert water system name) are concerned about lead in your drinking water. Although most homes have very low levels of lead in their drinking water, some homes in the community have lead levels above the EPA action level of 15 parts per billion (ppb), or 0.015 milligrams of lead per liter of water (mg/L). Under Federal law you are required to have a program in place to minimize lead in your drinking water by (insert date when corrosion control treatment will be installed for your system). This program includes corrosion control treatment, source water treatment, and public education. We are also required to replace each lead service line that we control if the line contributes lead concentration of 15 ppb or more after we have completed the comprehensive treatment program. If you have any questions about how we are carrying out the requirements of the lead regulation, please give us a call at (insert water system's phone number). This document explains the simple steps you can take to protect you and your family by reducing your exposure to lead in drinking water.

Develop the content of your written public education materials. The following information must be included in your PE materials. **The text in *italics* is mandatory and must be included as written.** Headings in **bold** must be addressed, but can be customized. Fill-in-the-blank templates (in English and Spanish) are available at: [www.epa.gov/safewater/lcrmr/compliancehelp.html](http://www.epa.gov/safewater/lcrmr/compliancehelp.html).

### General Information on Lead

*Important Information about Lead in Your Drinking Water [Insert name of water system] found elevated levels of lead in drinking water in some homes/ buildings. Lead can cause serious health problems, especially for pregnant women and young children. Please read this information closely to see what you can do to reduce lead in your drinking water.*

### Health Effects of Lead

*Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. The greatest risk of lead exposure is to infants, young children, and pregnant women. Scientists have linked the effects of lead on the brain with lowered IQ in children. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults. Lead is stored in the bones and it can be released later in life. During pregnancy, the child receives lead from the mother's bones, which may affect brain development.*

### Sources of Lead

*Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. The EPA estimates that drinking water can make up 20 percent or more of a person's total exposure to lead. Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or the wearing away of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join copper pipe, brass and chrome plated brass faucets, and in some cases, pipes made of lead that connect your house to the water main (service lines). In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials to 8.0%.*

*When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon after returning from work or school, can contain fairly high levels of lead.*



## Steps to Take at Home to Reduce Exposure to Lead in Drinking Water

Despite our best efforts mentioned earlier to control water corrosivity and remove lead from the water supply, lead levels in some homes or buildings can be high. To find out whether you need to take action in your own home, have your drinking water tested to determine if it contains excessive concentrations of lead. Testing the water is essential because you cannot see, taste, or smell lead in drinking water. Some local laboratories that can provide this service are listed at the end of this booklet. For more information on having your water tested, please call (insert water system's phone number).

If a water test indicates that the drinking water drawn from a tap in your home contains lead above 15 ppb, then you should take the following precautions:

1. Run your water to flush out lead. Run water for 15 - 30 seconds to flush lead from interior plumbing [or insert a different flushing time if your system has representative data indicating a different flushing time would be better in reducing lead exposure in your community or until it becomes cold or reaches a steady temperature before using it for drinking or cooking, if it hasn't been used for several hours. (It is likely that systems with lead service lines will need to collect data to determine the appropriate flushing time for lead service lines.)
2. Use cold water for cooking and preparing baby formula. Lead dissolves more easily into hot water.
3. Do not boil water to remove lead. Boiling water will not reduce lead.
4. Look for alternative sources or treatment of water. You may want to consider purchasing bottled water or a water filter. Read the package to be sure the filter is approved to reduce lead or contact NSF International at 800-NSF-8010 or [www.nsf.org](http://www.nsf.org) for information on performance standards for water filters.
5. Test your water for lead. Call us at [insert phone number for your water system] to find out how to get your water tested for lead. [Include information on your water system's testing program. For example, do you provide free testing? Are there labs in your area that are certified to do lead in water testing?]
6. Get your child's blood tested. Contact your local health department or healthcare provider to find out how you can get your child tested for lead, if you are concerned about exposure.
7. Identify and replace plumbing fixtures containing lead. Brass faucets,

fittings, and valves, including those advertised as “lead-free,” may contribute lead to drinking water. The law currently allows end-use brass fixtures, such as faucets, with up to 8% lead to be labeled as “lead free.” Visit the NSF Web site at [www.nsf.org](http://www.nsf.org) to learn more about lead-containing plumbing fixtures.

**What happened and What is being done**

[Insert information about how and when the exceedance was discovered in your community and provide information on the source(s) of lead in the drinking water, if known.]

[Insert information about what your system is doing to reduce lead levels in homes in your community.]

**Appropriate Language Information**

**Different Language Communities.** If significant proportions of the population in your community speak languages other than English, the PE materials must contain information in the appropriate language(s) regarding the importance of the notice or a contact where persons can obtain a translation or assistance.

STEP TWO

**Get State Approval**

You must submit all written PE materials to the TCEQ prior to delivery.

STEP THREE

**Deliver your public education materials**

**Timing:** All PE materials must be delivered within 60 days after the end of the monitoring period in which the exceedance occurred and repeated once every 12 months, EXCEPT providing information on or in each water bill, which must be included in each billing cycle no less than quarterly and two press releases per 12 month period for as long as you exceed the lead action level.

<b>Required Methods of Delivery for Community Public Water Systems</b>	
Small <3,300 customers	Large >3,300 customers
Deliver printed materials (pamphlets, brochures, posters) to all bill paying customers	Deliver printed materials (pamphlets, brochures, posters) to all bill paying customers
Deliver public education materials to the following facilities and	Deliver public education materials to the following organizations that are

<p>organizations that are served by the system that are most likely to be visited regularly by pregnant women and children.</p> <ol style="list-style-type: none"> <li>1. Local public health agencies</li> <li>2. Public and private schools or school boards</li> <li>3. Women Infants and Children (WIC) and Head Start programs</li> <li>4. Public and private hospitals and medical clinics</li> <li>5. Pediatricians</li> <li>6. Family planning clinics</li> <li>7. Local welfare agencies</li> </ol>	<p>located within your service area along with a cover letter encouraging distribution to all potentially affected customers or users</p> <ol style="list-style-type: none"> <li>1. Local public health agencies</li> <li>2. Public and private schools or school boards</li> <li>3. Women Infants and Children (WIC) and Head Start programs</li> <li>4. Public and private hospitals and medical clinics</li> <li>5. Pediatricians</li> <li>6. Family planning clinics</li> <li>7. Local welfare agencies</li> </ol>
<p>Make a good faith effort to locate the following organizations within the service area and deliver materials that meet the content requirements, along with an informational notice that encourages distribution to all potentially affected customers or users. The good faith effort to contact at-risk customers may include requesting a specific contact list of the organizations from the local Public Health Agencies, even if the agencies are not located within the water system service area.</p> <ol style="list-style-type: none"> <li>1. Licensed childcare centers</li> <li>2. Public and private preschools</li> <li>3. Obstetricians-Gynecologists and Midwives</li> </ol>	<p>Make a good faith effort to locate the following organizations within the service area and deliver materials that meet the content requirements, along with an informational notice that encourages distribution to all potentially affected customers or users. The good faith effort to contact at-risk customers may include requesting a specific contact list of the organizations from the local Public Health Agencies, even if the agencies are not located within the water system service area.</p> <ol style="list-style-type: none"> <li>1. Licensed childcare centers</li> <li>2. Public and private preschools</li> <li>3. Obstetricians-Gynecologists and Midwives</li> </ol>
<p>Provide information on or in each water bill quarterly</p>	<p>Provide information on or in each water bill quarterly</p>
<p>Submit press release to newspaper, television, and radio stations</p>	<p>Submit press release to newspaper, television, and radio stations</p>
<p>Conduct one (1) activity from one of the following general categories:</p> <ul style="list-style-type: none"> <li>• Public Service Announcements</li> <li>• Paid Advertisements</li> </ul>	<p>Conduct three (3) activities from one, two, or three of the following general categories:</p> <ul style="list-style-type: none"> <li>• Public Service Announcements</li> </ul>

<ul style="list-style-type: none"> <li>• Display Information in Public Areas</li> <li>• Email to Customers</li> <li>• Public Meetings</li> <li>• Delivery to Every Household</li> <li>• Provide Materials Directly to Multi-family Homes</li> <li>• Other methods if required by the TCEQ</li> </ul>	<ul style="list-style-type: none"> <li>• Paid Advertisements</li> <li>• Display Information in Public Areas</li> <li>• Email to Customers</li> <li>• Public Meetings</li> <li>• Delivery to Every Household</li> <li>• Provide Materials Directly to Multi-family Homes</li> <li>• Other methods if required by the TCEQ</li> </ul>
	<p>Post material on a publicly accessible Web Site (for systems serving &gt; 100,000 individuals)</p>

Please send the copy of your posted Public Education Notice to:

**Texas Commission on Environmental Quality**  
**Lead/Copper Monitoring Coordinator**  
**Public Drinking Water Section, MC 155**  
**P.O. Box 13087**  
**Austin, Texas 78711-3087**



The Texas Commission on Environmental Quality (TCEQ) and [insert your water system name] are concerned about lead in your drinking water. Some drinking water samples taken from this facility have lead levels above the TCEQ action level of 15 parts per billion (ppb), or 0.015 milligrams of lead per liter of water (mg/L). Under Federal law, we are required to have a program in place to minimize lead in your drinking water by [insert date when corrosion control will be completed for your system].

This program includes:

1. Corrosion control treatment (treating the water to make it less likely that lead will dissolve into the water);

2. Source water treatment (removing any lead that is in the water at the time it leaves our treatment facility); and

3. A public education program.

If you have any questions about how we are carrying out the requirements of the lead regulation please give us a call at [insert water system's phone number here].

This brochure also explains the simple steps you can take to protect yourself by reducing your exposure to lead in drinking water.

## HEALTH EFFECTS OF LEAD

Lead is found throughout the environment in lead-based paint, air, soil, household dust, food, certain types of pottery porcelain and pewter, and water. Lead can pose a significant risk to your health if too much of it enters your body.

Lead builds up in the body over many years and can cause damage to the brain, red blood cells and kidneys. The greatest risk is to young children and pregnant women. Amounts of lead that won't hurt adults can slow down normal mental and physical development of growing bodies. In addition, a child at play often comes into contact with sources of lead contamination - like dirt and dust - that rarely affect an adult. It is important to wash children's hands and toys often, and to try to make sure they only put food in their mouths.

## LEAD IN DRINKING WATER

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of infants who drink baby formulas and concentrated juices that are mixed with water. TCEQ estimates that drinking water can make up 20% or more of a person's total exposure to lead.

## HOW LEAD ENTERS OUR WATER

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and household plumbing. These materials include lead-based solder used to join copper pipe, brass and chrome-plated brass faucets, and in some cases, pipes made of lead that connect houses and buildings to water mains (service lines). In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of pipes and plumbing fixtures to 8.0%.

When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into your drinking water. This means the first water drawn from the tap in the morning, or later in the afternoon if the water has not been used all day, can contain fairly high levels of lead.

## STEPS TO REDUCE EXPOSURE TO LEAD IN DRINKING WATER

### 1. FLUSH YOUR SYSTEM.

Let the water run from the tap before drinking or cooking any time the water in a faucet has gone unused for more than 6 hours. The longer water resides in plumbing the more lead it may contain. Flush the cold water faucet for about 15-30 seconds. Flushing tap water is a simple and inexpensive measure you can take to protect your health. It usually uses less than 1 or 2 gallons of water.

### 2. USE ONLY COLD WATER FOR COOKING AND DRINKING.

Do not cook with, or drink water from the hot water tap. Hot water can dissolve more lead more quickly than cold water. If you need hot water, draw water from the cold tap and then heat it.

### 3. REMOVE LOOSE SOLDER AND DEBRIS FROM PLUMBING MATERIALS.

Remove loose solder and debris from the plumbing materials installed in newly constructed homes, or homes in which the plumbing has recently been replaced. To do this, remove the faucet strainers from all taps and run the water from 3-5 minutes. Thereafter, periodically remove the strainers and flush out any debris that has accumulated over time.

### 4. IDENTIFY AND REPLACE LEAD SOLDER.

If your copper pipes are joined with lead solder that has been installed illegally since it was banned in 1986, notify the plumber who did the work and request that he or she replace the lead solder with lead-free solder. Lead solder looks dull gray, and when scratched with a key looks shiny. In addition, notify your Texas State Board



of Plumbing Examiners, 800/845-6584 about the violation.

**5. HAVE AN ELECTRICIAN CHECK YOUR WIRING.**

Check with a licensed electrician or your local electrical code to determine if your wiring can be grounded elsewhere. DO NOT attempt to change the wiring yourself because improper grounding can cause electrical shock and fire hazards. If grounding wires from the electrical system are attached to your pipes, corrosion may be greater.

**IF LEAD LEVEL PERSISTS**

The steps described above will reduce the lead concentrations in your drinking water. However, if a water test indicates that the drinking water coming from your tap contains lead concentrations in excess of 15 ppb after flushing, or after we have completed our actions to minimize lead levels, then you may want to take the following additional measures:

**6. PURCHASE OR LEASE A HOME TREATMENT DEVICE.**

Home treatment devices are limited in that each unit treats only the water that flows from the faucet to which it is connected, and all of the devices require periodic maintenance and replacement. Devices such as reverse osmosis systems or distillers can effectively remove lead from your drinking water. Some activated carbon filters may reduce lead levels at the tap. However, all lead reduction claims should be investigated. Be sure to check the actual performance of a specific treatment device before and after installing the unit.

**7. PURCHASE BULK BOTTLED WATER FOR DRINKING AND COOKING.**



**FOR MORE INFORMATION**

You can consult a variety of sources for additional information. Your family doctor or pediatrician can perform a blood test for lead and provide you with information about the health effects of lead.

State and local government agencies that can be contacted include:

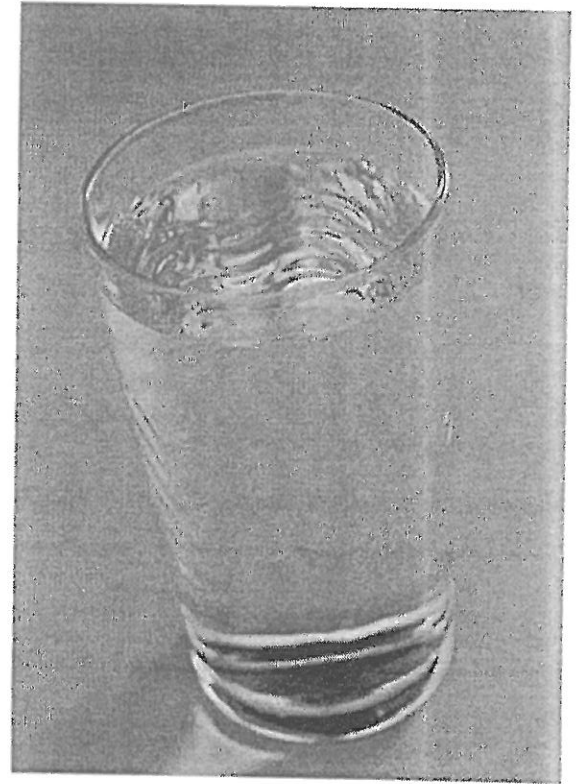
[insert the name or title of facility official if appropriate] at [insert phone number] can provide you with information about your facility's water supply; and

Texas Commission on Environmental Quality, Public Drinking Water Section at 512/239-4691 or the

Texas Department of State Health Services, Lead Poisoning Group 800/588-1248 can provide you with information about the health effects of lead.



# Lead in Drinking Water





## Lead Consumer Notice (CN) Form

Texas Commission on Environmental Quality

PWS ID #: TX \_\_\_\_\_ DATE: \_\_\_\_\_

PWS NAME: \_\_\_\_\_

### ANALYTICAL RESULT FOR LEAD TAP WATER MONITORING

Our public water supply system is required to periodically collect tap water samples to determine the lead levels in our system. Your residence was selected for this monitoring as part of our system's sampling plan. This notice is provided to you with the analytical results of the tap water sample collected at your home.

Sample address: \_\_\_\_\_

Sample collection date: \_\_\_\_\_

Analytical Lead result, in mg/L (milligrams per liter): \_\_\_\_\_

#### Definitions

*Action Level (AL):* The action level is a concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a public water system must follow. The lead action level is 0.015 mg/L.

#### What are the health effects of lead and how can I reduce my exposure?

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. [NAME OF WATER SYSTEM] is responsible for providing drinking water that meets all federal and state standards, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using the water and using only cold water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. When replacing your bathroom or kitchen faucet, consider a "lead-free" faucet that meets NSF/ANSI Standard 61 Annex G, which is less than 0.25% lead by weight.

#### Who can I contact at my water system for more information?

Phone number at our public water supply system: \_\_\_\_\_

E-mail address at our public water supply system: \_\_\_\_\_

For Texas Drinking Water results and sampling schedules please refer: <http://dvw.tceq.state.tx.us/DWW/>



## Lead Consumer Notice (CN) Certification Form

PWS ID #: TX \_\_\_\_\_

PWS NAME: \_\_\_\_\_

Monitoring period to which the notice applies:
Date(s) results were received from laboratory:
Date(s) results were provided to consumers:

The water system named above hereby certifies that its lead consumer notice has been provided to each person it serves at the specific sampling site from which the sample was tested. The water system also certifies that these results and the following information were provided to such persons within 30 days of receiving the test results from the laboratory:

- Individual tap results from lead tap water monitoring carried out under the requirements of 30 TAC §290.117(j).
- An explanation of the health effects of lead.
- Steps that consumers can take to reduce exposure to lead in drinking water.
- Contact Information for our water utility.
- The maximum contaminant level goals and action levels for lead, and the definitions of these two terms.

***Certified by:***

Name:	
Title:	
Phone #	Date:

(Instructions on Back)

*For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>*

## Lead Consumer Notice (CN) Certification Form Instructions

In accordance with 30 TAC §290.117(i) and (j), you must complete the lead Consumer Notice (CN); distribute the notice to each home or building that was tested with its specific lead result, and submit a certification of your activities and a copy of the notice to Texas Commission on Environmental Quality (TCEQ) at the address listed below.

### **Timing of CN**

All C and NTNC public water systems must provide the consumer notice as soon as practical, but no later than 30 days after the system receives the tap sampling results.

### **Consumer Notice Content**

The consumer notice must include the results of lead tap sampling for the tap that was tested, an explanation of the health effects of lead, list steps consumers can take to reduce exposure to lead in drinking water, and contact information for the water utility. The notice must also provide the maximum contaminant level goal and the action level for lead and the definitions for these two terms from 40 CFR §141.153(c).

### **Consumer Notice Distribution**

Within 30 days of receiving the analytical results, you must provide the required notice to the people served at each residence or building that was a part of the sampling plan. This can be accomplished through direct mail, including it with the water utility bill, or by hand delivery. Multi-family dwellings: Where testing occurs in buildings with many units, such as an apartment building, the notice must be provided to each individual unit that was tested. The notice does not have to extend to the entire building.

### **Certification to TCEQ**

The PWS must send a signed copy of this certification form to the TCEQ no later than 3 months following the end of the monitoring period.

Standard or Initial Sampling	MP end date is:	June 30 or December 31
Reduced or Routine Sampling	MP end date is:	September 30

The PWS must include with this certification a representative copy of the consumer notice distributed. Send your consumer notice and certification form to the following address:

Texas Commission on Environmental Quality  
Office of Water, Water Supply Division, Public Drinking Water Section  
Lead and Copper Program, MC155 P.O. Box 13087  
Austin, TX 78711-3087

---

*For Texas Drinking Water results and sampling schedules please refer: <http://dww.tceq.state.tx.us/DWW/>*

June 5, 2014 LCR Sample Submission Form





LEAD & COPPER MONITORING PROGRAM  
PWS INFORMATION UPDATE FORM

PWS ID: TX 0150117

PWS Name: Camp Stanley Storage Activity

**BOTTLE KIT SHIPMENT INFORMATION**

Ship To Contact Name: GABRIEL MORENO-FERGUSON  
(Operator, Owner or Responsible Party)

Company Name: US Army  
(Name of Operator's Company or Service Provider)

Shipping Address: 25800 Ralph Fair Road  
(Physical/deliverable Street Address, not PO BOX)

City: Boerne State: Texas Zip: 78015

Office Phone Number: (210) 295-7320 Cell Phone Number: (210) 240-0146

Fax Number: (210) 295-7386 E-Mail Address: ENV@CSSAMMA.COM

**REPORTING & BILLING INFORMATION**

Report Contact Name: \_\_\_\_\_  Same as above

Reporting Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Office Phone Number: \_\_\_\_\_ Cell Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Invoice Contact Name: US Army - Camp Stanley  Same as above

Reporting Address: 25800 Ralph Fair Road

City: Boerne State: TEXAS Zip: 78015

Office Phone Number: (210) 295-7320 Cell Phone Number: (210) 240-0146

Fax Number: (210) 295-7386 E-Mail Address: ENV@CSSAMMA.COM

Please return to ELS with current samples or via fax, email or USPS  
Thanks so much for your time and consideration!

Questions? Contact ELS at:  
Phone: (877) 362-5272 or (512) 730-6022 Fax: (512) 730-6021 or Email: [envlab@lcra.org](mailto:envlab@lcra.org)



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
 LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

PWS/0150117/CO/2014 YR /

(Public Water System (PWS) to fill out – please print in CAPS)

PWS ID #	TX 0150117		
PWS NAME:	Camp Stanley Storage Activity	PAGES SUBMITTED:	
PWS PHONE:	210-295-7320	PWS EMAIL:	ENU@CSSAMMA.COM
PWS CERTIFIED OPERATOR NAME:	GABRIEL MORENO-FERGUSON	MONITORING PERIOD	<input type="checkbox"/> 2014 6M1 <input type="checkbox"/> 2014 6M2 <input checked="" type="checkbox"/> 2014 YR <input type="checkbox"/> 2014 3YR <input type="checkbox"/> 2014 9YR

**IMPORTANT: THIS FORM MUST ACCOMPANY THE SAMPLE BOTTLES WHEN THEY ARE SENT TO A LABORATORY. SAMPLES EXPIRE 14 DAYS AFTER COLLECTION. THE LABORATORY IS INSTRUCTED TO REJECT INCOMPLETE FORMS.**

(PWS to fill out – please print in CAPS. Use as many forms as necessary to match bottle collection numbers. Further instructions on back)

SAMPLE POINT ID	SAMPLE SITE LOCATION (location and inside sink)	WATER LAST USED DATE (MMDDYY)	WATER LAST USED TIME (HHMM)	SAMPLE COLLECTED DATE (MMDDYY)	SAMPLE COLLECTED TIME (HHMM)	DATE SUBMITTED TO LAB (MMDDYY)
LCR001 (Example)	5933 Miracle Springs Dr / Kitchen Sink <small>(address must match what is in Drinking Water Watch, Site Selection Form and Monitoring Plan)</small>	06/24/2014	0900	06/24/2014	1800	06/26/2014
LCR 001	Building 201 Utility	06/04/14	1321	06/05/2014	0605	
LCR 002	Building 44 Kitchen	06/04/14	1555	06/05/2014	0630	
LCR 003	Building 606 Kitchen	06/04/14	1500	06/05/2014	0600	
LCR 005	Building 95 Kitchen	06/04/14	1600	06/05/2014	0640	
LCR 011	Building 210 Kitchen	06/04/14	1600	06/05/2014	0753	
LCR						
LCR						
LCR						
LCR						
LCR						





LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION FORM (TSSF) 20683

I acknowledge that the information on this form is true and correct and sites selected for sampling following the PWS Monitoring Plan and that the TCEQ Form 20467 Site Selection and Materials Survey has been filled out and sent in to TCEQ for approval prior to sampling.

Refusing to sign and comply with sampling protocols as outlined in the following instructions or on this form will result in monitoring and reporting violation(s), possible enforcement, and fines.

Gabriel Hernandez 06/05/14  
Signature Name Date

INSTRUCTIONS

- PWS ID:** Water System identification number
- PWS Name:** Name of water system
- PWS Phone:** Phone number of water system
- PWS Certified Operator:** Certified Operator or Responsible Person who either took samples or is responsible for the samples
- Pages Submitted:** The # of pages of LCR/site location/ addresses you are including with bottles. Each page has 10 address possibilities.
- PWS Email:** System email for communication purposes
- Monitoring Period:** System's monitoring period 6M, 1 year, 3 year, or 9 year. <http://dww.tceq.state.tx.us/DWW/> under Sample Schedules left yellow column. Scroll down to find PBCU schedules – looks like 5/RT 3YR followed by 2014.

**Sample Point ID:**

Texas Drinking Water Watch – Sample Points – LCR numbers are addresses and numbers we currently have on file for the PWS. <http://dww.tceq.state.tx.us/DWW/>. Enter the Water System No. Click on the water system number in blue. Click on Sample Points found in yellow left column. Scroll the page down until you see LCR001, LCR002, LCR003, etc. These numbers are to be added to the front page. Each LCR001 has its own address and can't be changed once an address/location has been assigned to it.

Every system is required to update their PWS Monitoring Plan/Site Selection Form by completing TCEQ Form 20467 prior to sampling. The sampling pool requirements found in Title 30 Texas Administrative Code (30 TAC) §290.117(c) discuss the different Tiers associated with the Lead and Copper Rule Tap Sampling.

**Example:** You have a population of 560 people and are on reduced sampling. You should have 20 LCR numbers and addresses = 10 as routine sample sites and 10 listed as backup sampling sites. This is your sampling pool. Complete TCEQ Form 20467 and send them in prior to sampling in 2014. We will update your Monitoring Plan at the same time. If you go out to sample and find that LCR003 does not want to participate this year, you have 10 other pre-approved sites to pull from LCR011 – LCR020. You are not allowed to swap out a new address with an old LCR003. You must have a new address with a new LCR number. Call if you still have questions.

**Sample Site Location/Address:**

See above = the site location/address goes with a LCR001 number and is not swapped out at any time. Site location/addresses should be in Tiers according to the years and types of plumbing materials. It is required to use Tier 1 first, followed by Tier 2, followed by Tier 3, and finally – “other”. (30 TAC) §290.117(c)

**Water Last Used Date:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Water Last Used Time:** This comes from the person sampling/homeowner information when you pick up the bottle from them.

**Collection Date:** The date sample was collected by PWS or homeowner. Please use MM/DD/YY format.

**Collection Time:** The time sample was collected by PWS or homeowner. Please use 24 hour clock when reporting HH/MM.

**Date Submitted to Lab:** The date bottles were hand-delivered or overnighted to lab. Please use MM/DD/YY format.

Texas Commission on Environmental Quality  
PO BOX 13087, Lead and Copper Program, Austin, Texas 78711-3087  
Telephone: 512-239-4691, Fax: 512-239-6050 Email: laurie.gehlsen@tceq.texas.gov



Texas Commission on Environmental Quality Lead and Copper  
Program Homeowner Tap Sample Collection Procedures

Greetings and thank you for your participation in this important drinking water program!

We are providing you a sample bottle to collect a drinking water sample as part of your public water system monitoring program to determine the lead and copper levels in your tap water. This sampling effort is required by the Texas Commission on Environmental Quality (TCEQ) and your public water system, and is being accomplished through the cooperation of homeowners and residents.

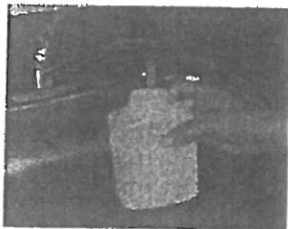
**You must collect samples by the due date arranged by your public water system representative. Please carefully follow the sample instructions below.**

Collect samples from an **inside** tap that has not been used for a **minimum of 6 hours**. Because of this requirement, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure to use taps that have been in regular use by your household for the past few months.

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.

2. There must be a **minimum of 6 hours** during which there is no water used from the inside tap. The sample is taken from and any taps adjacent or close to that tap. The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.

3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, if possible. **Do not remove the aerator prior to sampling.** Place the opened sample bottle below the faucet and gently open the cold water tap. Fill the sample bottle to the line marked "1000-ml" and turn off the water.



4. Tightly cap the sample bottle and place in the sample kit provided. Please review the sample kit label at this time to ensure that all information contain on the label is correct.

**5. IF ANY PLUMBING REPAIRS OR REPLACEMENT HAS BEEN DONE IN THE HOME SINCE THE PREVIOUS SAMPLING EVENT, NOTE THIS INFORMATION ON THE LABEL AS PROVIDED. ALSO IF YOUR SAMPLE WAS COLLECTED FROM A TAP WITH A WATER SOFTENER, NOTE THIS ALSO.**

6. Place the sample kit outside of the residence in the location of the kit's delivery so that public water system staff may pick up the sample kit.



Texas Commission on Environmental Quality Lead and Copper Program Homeowner Tap Sample Collection Procedures

7. Results from this monitoring effort will be provided to participating customers when reports are generated for the State. A house that is in exceedance is over 0.015 mg/L for lead and over 1.3 mg/L for copper. Your water system provider will help you with a re-sample if your results come back over one or both of these levels.

Call Environmental at 295-7453 if you have questions regarding these instructions.  
(public water system representative)

Homeowner – complete and attach this to sample bottle for water system provider

**TO BE COMPLETED BY RESIDENT**

LCR 011

Sample Location: Building 210 Kitchen  
(sample address)

Water was last used:      Time 1600      Date 6/4/14

Sample was collected:      Time 0753      Date 6/5/14

Which inside sink was used:     Kitchen     Bathroom     Water Fountain     Other \_\_\_\_\_

I have read the above directions and I have taken a tap sample in accordance with these directions.

Gabriel Norberto Aguirre      6/5/14  
Signature      Date





Texas Commission on Environmental Quality Lead and Copper  
Program Homeowner Tap Sample Collection Procedures

Greetings and thank you for your participation in this important drinking water program!

We are providing you a sample bottle to collect a drinking water sample as part of your public water system monitoring program to determine the lead and copper levels in your tap water. This sampling effort is required by the Texas Commission on Environmental Quality (TCEQ) and your public water system, and is being accomplished through the cooperation of homeowners and residents.

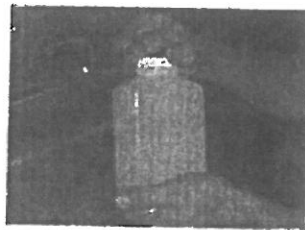
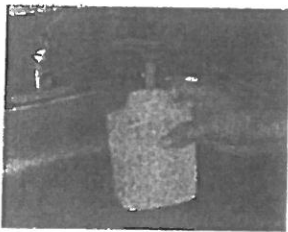
**You must collect samples by the due date arranged by your public water system representative. Please carefully follow the sample instructions below.**

Collect samples from an **inside tap** that has not been used for a **minimum of 6 hours**. Because of this requirement, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure to use taps that have been in regular use by your household for the past few months.

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.

2. There must be a **minimum of 6 hours** during which there is no water used from the inside tap. The sample is taken from and any taps adjacent or close to that tap. The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.

3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, if possible. **Do not remove the aerator prior to sampling.** Place the opened sample bottle below the faucet and gently open the cold water tap. Fill the sample bottle to the line marked "1000-ml" and turn off the water.



4. Tightly cap the sample bottle and place in the sample kit provided. Please review the sample kit label at this time to ensure that all information contain on the label is correct.

**5. IF ANY PLUMBING REPAIRS OR REPLACEMENT HAS BEEN DONE IN THE HOME SINCE THE PREVIOUS SAMPLING EVENT, NOTE THIS INFORMATION ON THE LABEL AS PROVIDED. ALSO IF YOUR SAMPLE WAS COLLECTED FROM A TAP WITH A WATER SOFTENER, NOTE THIS ALSO.**

6. Place the sample kit outside of the residence in the location of the kit's delivery so that public water system staff may pick up the sample kit.



Texas Commission on Environmental Quality Lead and Copper  
Program Homeowner Tap Sample Collection Procedures

7. Results from this monitoring effort will be provided to participating customers when reports are generated for the State. A house that is in exceedance is over 0.015 mg/L for lead and over 1.3 mg/L for copper. Your water system provider will help you with a re-sample if your results come back over one or both of these levels.

Call Environmental at 295-7453 if you have questions regarding these instructions.  
(public water system representative)

Homeowner – complete and attach this to sample bottle for water system provider

TO BE COMPLETED BY RESIDENT

LCR 005

Sample Location: Building 95 Kitchen  
(sample address)

Water was last used: Time 1600 Date 6/4/14

Sample was collected: Time 0640 Date 6/5/14

Which inside sink was used:  Kitchen  Bathroom  Water Fountain  Other \_\_\_\_\_

I have read the above directions and I have taken a tap sample in accordance with these directions.

Gabriel Norberto Ferguson  
Signature

6/5/14  
Date



Texas Commission on Environmental Quality Lead and Copper  
Program Homeowner Tap Sample Collection Procedures

Greetings and thank you for your participation in this important drinking water program!

We are providing you a sample bottle to collect a drinking water sample as part of your public water system monitoring program to determine the lead and copper levels in your tap water. This sampling effort is required by the Texas Commission on Environmental Quality (TCEQ) and your public water system, and is being accomplished through the cooperation of homeowners and residents.

**You must collect samples by the due date arranged by your public water system representative. Please carefully follow the sample instructions below.**

Collect samples from an **inside** tap that has not been used for a **minimum of 6 hours**. Because of this requirement, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure to use taps that have been in regular use by your household for the past few months.

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.

2. There must be a **minimum of 6 hours** during which there is no water used from the inside tap. The sample is taken from and any taps adjacent or close to that tap. The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.

3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, if possible. **Do not remove the aerator prior to sampling.** Place the opened sample bottle below the faucet and gently open the cold water tap. Fill the sample bottle to the line marked "1000-ml" and turn off the water.



4. Tightly cap the sample bottle and place in the sample kit provided. Please review the sample kit label at this time to ensure that all information contain on the label is correct.

**5. IF ANY PLUMBING REPAIRS OR REPLACEMENT HAS BEEN DONE IN THE HOME SINCE THE PREVIOUS SAMPLING EVENT, NOTE THIS INFORMATION ON THE LABEL AS PROVIDED. ALSO IF YOUR SAMPLE WAS COLLECTED FROM A TAP WITH A WATER SOFTENER, NOTE THIS ALSO.**

6. Place the sample kit outside of the residence in the location of the kit's delivery so that public water system staff may pick up the sample kit.



Texas Commission on Environmental Quality Lead and Copper Program Homeowner Tap Sample Collection Procedures

7. Results from this monitoring effort will be provided to participating customers when reports are generated for the State. A house that is in exceedance is over 0.015 mg/L for lead and over 1.3 mg/L for copper. Your water system provider will help you with a re-sample if your results come back over one or both of these levels.

Call Environmental at 295-7453 if you have questions regarding these instructions.  
(public water system representative)

Homeowner – complete and attach this to sample bottle for water system provider

**TO BE COMPLETED BY RESIDENT**

LCR 003

Sample Location: Building 606 Kitchen  
(sample address)

Water was last used: Time 1500 Date 6/4/14

Sample was collected: Time 0600 Date 6/5/14

Which inside sink was used:  Kitchen  Bathroom  Water Fountain  Other \_\_\_\_\_

I have read the above directions and I have taken a tap sample in accordance with these directions.

Gabriel Hernandez 6/5/14  
Signature Date



Texas Commission on Environmental Quality Lead and Copper  
Program Homeowner Tap Sample Collection Procedures

Greetings and thank you for your participation in this important drinking water program!

We are providing you a sample bottle to collect a drinking water sample as part of your public water system monitoring program to determine the lead and copper levels in your tap water. This sampling effort is required by the Texas Commission on Environmental Quality (TCEQ) and your public water system, and is being accomplished through the cooperation of homeowners and residents.

**You must collect samples by the due date arranged by your public water system representative. Please carefully follow the sample instructions below.**

Collect samples from an **inside** tap that has not been used for a **minimum of 6 hours**. Because of this requirement, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure to use taps that have been in regular use by your household for the past few months.

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.

2. There must be a **minimum of 6 hours** during which there is no water used from the inside tap. The sample is taken from and any taps adjacent or close to that tap. The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.

3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, if possible. **Do not remove the aerator prior to sampling.** Place the opened sample bottle below the faucet and gently open the cold water tap. Fill the sample bottle to the line marked "1000-ml" and turn off the water.



4. Tightly cap the sample bottle and place in the sample kit provided. Please review the sample kit label at this time to ensure that all information contain on the label is correct.

**5. IF ANY PLUMBING REPAIRS OR REPLACEMENT HAS BEEN DONE IN THE HOME SINCE THE PREVIOUS SAMPLING EVENT, NOTE THIS INFORMATION ON THE LABEL AS PROVIDED. ALSO IF YOUR SAMPLE WAS COLLECTED FROM A TAP WITH A WATER SOFTENER, NOTE THIS ALSO.**

6. Place the sample kit outside of the residence in the location of the kit's delivery so that public water system staff may pick up the sample kit.





Texas Commission on Environmental Quality Lead and Copper Program Homeowner Tap Sample Collection Procedures

7. Results from this monitoring effort will be provided to participating customers when reports are generated for the State. A house that is in exceedance is over 0.015 mg/L for lead and over 1.3 mg/L for copper. Your water system provider will help you with a re-sample if your results come back over one or both of these levels.

Call Environmental at 295-7453 if you have questions regarding these instructions.  
(public water system representative)

Homeowner – complete and attach this to sample bottle for water system provider

TO BE COMPLETED BY RESIDENT

LCR 002

Sample Location: Bui ding 44 kitchen  
(sample address)

Water was last used: Time 1555 Date 6/4/14

Sample was collected: Time 0630 Date 6/5/14

Which inside sink was used:  Kitchen  Bathroom  Water Fountain  Other \_\_\_\_\_

I have read the above directions and I have taken a tap sample in accordance with these directions.

Gabriel Hernandez  
Signature

6/5/14  
Date



Texas Commission on Environmental Quality Lead and Copper  
Program Homeowner Tap Sample Collection Procedures

Greetings and thank you for your participation in this important drinking water program!

We are providing you a sample bottle to collect a drinking water sample as part of your public water system monitoring program to determine the lead and copper levels in your tap water. This sampling effort is required by the Texas Commission on Environmental Quality (TCEQ) and your public water system, and is being accomplished through the cooperation of homeowners and residents.

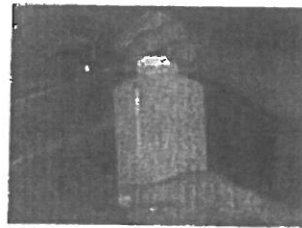
**You must collect samples by the due date arranged by your public water system representative. Please carefully follow the sample instructions below.**

Collect samples from an inside tap that has not been used for a **minimum of 6 hours**. Because of this requirement, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure to use taps that have been in regular use by your household for the past few months.

1. Prior arrangements will be made with the customer to coordinate the sample collection event. Dates will be set for sample kit delivery and pick-up by water department staff.

2. There must be a **minimum of 6 hours** during which there is no water used from the inside tap. The sample is taken from and any taps adjacent or close to that tap. The water department recommends that either early mornings or evenings upon returning home are the best sampling times to ensure that the necessary stagnant water conditions exist.

3. A **kitchen or bathroom cold-water faucet** is to be used for sampling. If you have water softeners on your kitchen taps, collect your sample from the bathroom tap that is not attached to a water softener, if possible. **Do not remove the aerator prior to sampling.** Place the opened sample bottle below the faucet and gently open the cold water tap. Fill the sample bottle to the line marked "1000-ml" and turn off the water.



4. Tightly cap the sample bottle and place in the sample kit provided. Please review the sample kit label at this time to ensure that all information contain on the label is correct.

**5. IF ANY PLUMBING REPAIRS OR REPLACEMENT HAS BEEN DONE IN THE HOME SINCE THE PREVIOUS SAMPLING EVENT, NOTE THIS INFORMATION ON THE LABEL AS PROVIDED. ALSO IF YOUR SAMPLE WAS COLLECTED FROM A TAP WITH A WATER SOFTENER, NOTE THIS ALSO.**

6. Place the sample kit outside of the residence in the location of the kit's delivery so that public water system staff may pick up the sample kit.



Texas Commission on Environmental Quality Lead and Copper Program Homeowner Tap Sample Collection Procedures

7. Results from this monitoring effort will be provided to participating customers when reports are generated for the State. A house that is in exceedance is over 0.015 mg/L for lead and over 1.3 mg/L for copper. Your water system provider will help you with a re-sample if your results come back over one or both of these levels.

Call Environmental at 295-7453 if you have questions regarding these instructions.  
(public water system representative)

Homeowner – complete and attach this to sample bottle for water system provider

TO BE COMPLETED BY RESIDENT

LCR 001

Sample Location: Building 201 Utility  
(sample address)

Water was last used: Time 1321 Date 6/4/14

Sample was collected: Time 0605 Date 6/5/14

Which inside sink was used:  Kitchen  Bathroom  Water Fountain  Other Utility Room

I have read the above directions and I have taken a tap sample in accordance with these directions.

Gabriel Hernandez  
Signature

6/5/14  
Date

June 4, 2014 Site Selection E-mail Correspondence between  
CSSA and TCEQ

## Gabriel Moreno-Fergusson

---

**From:** Andrew Nidoh <Andrew.Nidoh@tceq.texas.gov>  
**Sent:** Wednesday, June 04, 2014 8:32 AM  
**To:** morenog@cssamma.com  
**Subject:** TCEQ Site Selection Form  
**Attachments:** TCEQ Form 20467 SSF and Sampling Pool.doc; TCEQ Form 20467\_Materials Survey.doc

Hello,

Per our phone conversation I have attached blank copies of both the Site Selection Form and the supporting Materials Survey Checklist form if needed. The Site Selection Form should be filled out following the guidelines given on the form, listing the LCR number and address along with the Tier, plumbing materials, and year of construction for each sampling site. The Materials Survey Checklist is a document to help you figure that information out by listing various resources you can exhaust in your research. This form must be completely filled out and sent back prior to the system sampling. When the completed form is sent in, someone here on our team will review the form to enter the sites into our database and then contact the system to let them know it has been approved and the system has the green light for sampling. Be sure to list the 5 sites from our database in the exact order listed below along with 5 additional legitimate sites to complete the sampling pool and you can sample any 5 of the 10 you report when sampling. The biggest thing to keep in mind with the sample sites is that no matter what the LCR numbers and addresses have to match. As we also discussed, if you choose to inactive a site you can write the word "Inactivate" or some other key word that lets us know that the site will never be sampled from again for some reason. Below you can find the 5 sample sites we have in our database. Please feel free to contact me via this email address or my direct line in my signature below if you have any further questions.

LCR001 – BUILDING 201 UTILITY  
LCR002 – BUILDING 22 KITCHEN  
LCR003 – BUILDING 606 KITCHEN  
LCR004 – BUILDING 91 N  
LCR005 – BUILDING 95 KITCHEN

If at any time you choose to view your sample sites you can visit the public view of our database, Drinking Water Watch (link in my signature below), and view all of your sample sites.

Kind Regards,

Andrew Nidoh  
Natural Resource Specialist  
Drinking Water Quality Team  
Texas Commission on Environmental Quality  
University of Texas-Arlington Contractor  
Phone: (512) 239-4611  
Fax: (512) 239-6050  
E-Mail: [Andrew.Nidoh@tceq.texas.gov](mailto:Andrew.Nidoh@tceq.texas.gov)  
Drinking Water Watch: <http://dww.tceq.state.tx.us/DWW/>





**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
LEAD/COPPER SAMPLE SITE SELECTION POOL FORM FORM 20467**

THE NUMBER OF SAMPLE SITES REQUIRED IS BASED ON POPULATION AND CAN BE FOUND IN THE INSTRUCTIONS. PLEASE READ THE INSTRUCTION SHEET BEFORE COMPLETING THIS FORM.

PWS ID: TX0150117 SYSTEM TYPE:  CWS  NTNC  
 SYSTEM NAME: Camp Stanley Storage Activity POPULATION:  >100,000  
 ADDRESS: 25800 Ralph Fair Road, Boerne, TX 78015  10,001 to 100,000  
 CONTACT PERSON: Gabriel Moreno-Fergusson  3,301 to 10,000  
 PHONE NUMBER: (210)295-7320  501 to 3,300  
 EMAIL ADDRESS: morenog@cssamma.com  101 to 500  
 ≤ 100

**SAMPLE SITE CATEGORIES**

Systems must pick as many Tier 1 sites as possible before using Tier 2 sites. If there are insufficient Tier 2 sites, Tier 3 sites may be used. If there are insufficient Tier 1, 2 or 3 sites, the sampling pool may be completed using non-tier sites. If it is not known whether lead is present in the plumbing, the site should be designated as a non-tier site. The SDWA lead ban requiring the use of "lead-free" plumbing for drinking water took effect in 1988: buildings constructed after this date would not legally contain lead solder.

<b>TIER 1</b>	For Community Water Systems (CWS), it is single family structure that contains lead pipes or copper pipes with lead solder and/or is served by lead service lines installed after 1982.	# of Sites _____
	For Non-Transient Non-Community Systems (NTNCWS), it is buildings that contain copper pipes with lead solder installed after 1982 and/or served by lead service lines.	# of Sites _____
<b>TIER 2</b>	For CWS, it is a building or multiple-family residences that contain lead pipes or copper pipes with lead solder installed after 1982, and/or is served by lead service lines.	# of Sites _____
	For NTNCWS, it is buildings that contain copper pipes with lead solder installed before 1983.	# of Sites _____
<b>TIER 3</b>	Applies to CWS Only. Single family structures that contain copper pipes with lead solder installed before 1983.	# of Sites _____
<b>OTHER</b>	Sites not defined by Tiers 1 – 2 or 3: explain: <u>All of our residences have water softeners, therefore we have to use offices and warehouses to meet the TCEQ requirements</u>	# of Sites <u>5</u>
	_____ _____ _____	TOTAL # OF SITES <u>5</u>



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
LEAD/COPPER SAMPLE SITE POOL SELECTION FORM**

PWS NUMBER: TX0150117

Make sure you include all regular and backup sites and make as many pages as you need.

No	Site Name	Tier 1, 2, 3, Other	(R)egular sample sites or (B)ack-up site	Type of Plumbing Material	Date of Construction
1	Building 201 Utility	Other	(R)	Copper and Galvanized	1973
2	Building 44 Kitchen	Other	(R)	Copper and Galvanized	1943
3	Building 606 Kitchen	Other	(R)	Copper	2007
4	Building 91N	Other	DEACTIVATED	Copper	
5	Building 95 Kitchen	Other	(R)	Copper	2010
6	Building 45 Kitchen	Other	(B)	Copper and Galvanized	1943
7	Building 601 Break Area	Other	(B)	Copper	2007
8	Building 1 Kitchen	Other	(B)	Copper	1943
9	Building 92 Kitchen	Other	(B)	Copper	1945
10	Building 603 Kitchen	Other	(B)	Copper	2007
11	Building 210 Kitchen	Other	(R)	Copper	2011
12					
13					
14					
15					
16					
17					
18					
19					
20					

*I have verified and certify* that all sites from which lead and copper tap samples are collected shall be selected from a pool of targeted Tier 1, 2, 3, or "other" sample sites. Sample sites selected are representative of the distribution system and specifically represent areas of the systems most vulnerable to corrosion of lead and copper in water.

Signature: Gabriel Moreno-Fergusson Date: 6/4/14  
 Printed Name: GABRIEL MORENO-FERGUSSON Title: Environmental Manager





**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
INSTRUCTIONS FOR SELECTING LEAD/COPPER SAMPLING SITES**

The objective when selecting sampling sites is to choose sites with interior plumbing materials of lead and/or copper, if possible. These types of sites are categorized on the **Lead/Copper Sample Site Selection Form (SSF)** from highest to lowest risk (#1-Other) based on their likelihood to leach lead and/or copper into the drinking water.

Identify a sample pool consisting of sites that fit in the highest category (ies) as possible (closest to #1). For example, search first for sites that meet the description in Categories #1 or #2 on the Form. If you can't find sites that fit in either of these categories, then try to find sites that fit in Categories #3. If you can't find any sites that fit in Categories #1-3, then all of your sampling sites will go in Category Other.

**You must list the type of plumbing material and the date of construction for each site you put in Category #4.**

**Your Sampling Pool should include all identified sites EQUAL to the number of sites your system is required to sample during standard or initial monitoring. This is true for all systems on initial or reduced monitoring.**

**Example: Selecting Tier Sites and Sampling Pool**

- A PWS serves 3,301 to 10,000 people and is on reduced monitoring
- It is required to have a pre-approved sampling pool of 40 sites of which to sample from
- If your sampling pool needs updating, please use the site selection form and materials evaluation survey form to help identify the 40 sites. Turn it into TCEQ for approval.
- Identify which sites are "normal" sites and which sites are "reserved for back-up" sites
- Your Monitoring Plan will be updated at the same time your sampling pool is updated – keep a copy in your records.
- Your normal tap water sampling is 20 sites on reduced monitoring. Make sure in advance that your customers want to participate.
- Bottles arrive and sampling begins.

**Number of Sampling Sites Required for Standard / Initial Monitoring**

System Size	System Population	Number of PBCU sample sites
Large	>100K	100
	50,001 – 100K	60
Medium	10,000 – 50K	60
	3,301 – 10,000	40
Small	501 – 3,300	20
	101 -500	10
	< 100	5

**Number of Sampling Sites Required for Routine / Reduced Monitoring**

System Size	System Population	Number of PBCU sample sites
Large	>100K	50
	50,001 – 100K	30
Medium	10,000 – 50K	30
	3,301 – 10,000	20
Small	501 – 3,300	10
	101 -500	5
	< 100	5

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**INSTRUCTIONS FOR SELECTING LEAD/COPPER SAMPLING SITES**

**ADDITIONAL GUIDELINES WHEN SAMPLING TAP WATER MONITORING**

1. When a sufficient number of Tier 1 sites do not exist or are inaccessible, you must complete your sample pool with Tier 2 sites.
2. For CWSs, when a sufficient number of Tier 1 and Tier 2 sites do not exist or are inaccessible, you must complete your sampling pool with Tier 3 sites.
3. Any water system that cannot complete its sampling at sites that meet the applicable tier criteria must complete sampling at representative sites throughout the distribution system.
4. You are not required to target buildings with lead solder installed after the 1988 Texas Lead ban.
5. You should not monitor at sampling sites that have water softeners; however, if all of your available sampling sites have water softeners, you should identify the highest risk sites (Tier 1) and monitor at those locations kitchen or bathroom sinks.
6. If you are not able to draw at least half of your samples from taps served by lead service lines, you must collect a sample from each available site that is serviced by a lead service line.
7. If you have lead service lines, but you have lead goosenecks or pigtails, you can collect tap water samples at the sites with the goosenecks and/or pigtails.
8. You should not sample at sites with point of use devices or point of entry devices.
9. Once monitoring begins, you must use the same sites, unless a site is no longer accessible to you or no longer fits the requirements of a priority site. If your sites have changes you must update your sampling pool.

Return the form to:

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**PUBLIC DRINKING WATER – LEAD/COPPER PROGRAM - MC 155**  
**P.O. BOX 13087**  
**AUSTIN, TEXAS 78711-3087**

If you have any questions, please call the Lead/Copper Program at Phone: 512/239-4691. Fax: 512/239-6050

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**LEAD/COPPER SAMPLING SITE MATERIALS EVALUATION SURVEY**  
**FORM # 20467**

---

---

The following is a checklist of resources for water systems to use when evaluating and identifying plumbing materials in their systems. Investigate the interior plumbing of your customers or your facility to determine what types of plumbing materials are present in your system. **Mark the resource(s) you used in your investigation in the blank(s) provided.** If you use a resource which is not listed below, indicate that in the blanks provided next to "Other Sources".

---

---

**MATERIALS SURVEY CHECKLIST**

1. **Distribution System Materials** - Sources available to determine the number of lead service lines or lead goosenecks in the distribution system.

- Distribution System Maps and Record Drawings (provide)
- Capital improvement plans for distribution system development.
- Utility records including meter installation records, customer complaint investigations and all historical documentation which indicate and/or confirm the location of lead service connections.
- Interview senior personnel.
- Perform community survey.

2. **Interior Plumbing Materials** - Sources available to determine the number of residential or non-residential buildings which have interior lead pipe or copper pipe with lead solder joints.

- County appraisal district records.
- Contacts within the water system, municipal office or other local officials.
- Survey area plumbers about when and where copper pipe with lead solder was used.
- Interview residents** - letters, phone survey, personal contact, etc.
- Interview local contractors, developers and builders.

3. Other Sources (explain) US Army Corps of Engineers building records, As-built drawings of system infrastructure, Occupancy rates of buildings, and system conditions within the buildings (i.e. no water softeners, etc.).

---

---

---

---



**Henderson, Cheryl A CIV (US)**

---

**From:** Jacqueline Goveas [Jacqueline.Goveas@tceq.texas.gov]  
**Sent:** Wednesday, July 25, 2012 11:23 AM  
**To:** Sandra Green  
**Cc:** Gary Regner; Henderson, Cheryl A CIV (US)  
**Subject:** TCEQ APPROVED SITE CHANGES/PWS 0150117/CAMP STANLEY STORAGE ACTIVITY

TCEQ HAS APPROVED THE FOLLOWING SITE CHANGES FOR PWS 0150117/CAMP STANLEY STORAGE ACTIVITY

LCR003: BUILDING 606 KITCHEN

(OLD ADDRESS: BUILDING 90 N)

LCR005: BUILDING 95 KITCHEN  
WOMENS R)

(OLD ADDRESS: BUILDING 98

Jacqueline Goveas

Drinking Water Quality Specialist, DWQ

Tel: 512/239-4758

Fax: 512/239-6050

Period **3Y2012** Submitted Date (mmdyyy) **08232012** PWS ID TX **0150117** ELS ID **16617**

I acknowledge that (a) information on this form is true and correct, (b) the laboratory will bill my public water system \$30 per bottle for analysis, and (c) the laboratory may include shipping charges for multiple submissions or additional sampling events (i.e., replacement bottles, rejected samples, etc.).

Refusing to sign and comply with sampling protocols as outlined in the instructions or on this form will result in monitoring and reporting violation(s), possible enforcement and fines.

**C H E R Y L H E N D E R S O N**

PRINT IN CAPS - Name of Water System Certified Operator

*Cheryl A. Henderson*  
Signature of Water System Certified Operator

**2108250725**

Operator Phone No. (10-digit)

**P A U L M . S M I T H**

PRINT IN CAPS - Name of Responsible Person (i.e., Mayor, Manager, Director, etc.)

*Paul M. Smith*  
Signature of Responsible Person (i.e., Mayor, Manager, Director, etc.)

**2102957420**

Responsible Person Phone No. (10-digit)

**\*\*THE LABORATORY MUST REJECT INCOMPLETE FORMS\*\***

**\*\*\*SAMPLES EXPIRE 14 DAYS AFTER COLLECTION\*\*\***

Sample Point ID	Sample Site/Location										Collection Date		Collection	LAB ONLY		
											(mmdyy)		Time (hhmm)			
LCR001	B U I L D I N G 2 0 1 U T I L I T Y										08	23	12	08	15	
											TCEQ ID Number	LCR1201519				
LCR002	B U I L D I N G 4 4 K I T C H E N										08	22	12	06	30	
											TCEQ ID Number	LCR1201518				
LCR003	B U I L D I N G <del>90</del> N 606										08	22	12	06	20	CAH
	K I T C H E N										TCEQ ID Number	LCR1201517				
LCR004	B U I L D I N G 9 1 N										08	22	12	06	45	
											TCEQ ID Number	LCR1201516				
LCR005	B U I L D I N G <del>98</del> W O M E N S R										08	22	12	07	00	CAH
	95 K I T C H E N										TCEQ ID Number	LCR1201520				

Comments:

For Lab Use Only: Facility ID: DS01

SHIP TO: LCRA-ELS, 3505 MONTOPOLIS DRIVE, AUSTIN, TX, 78744 (877) 362-5272 (TOLL FREE)

LCR Questions? TCEQ PHONE: (512) 239-4691



LEAD & COPPER MONITORING PROGRAM  
INFORMATION UPDATE FORM

PWS ID: 0150117

PWS Name: Camp Stanley Storage Activity

**BOTTLE SHIPMENT INFORMATION**

Shipment Contact: Cheryl Henderson  
(Operator, Owner or Responsible Party)

Service Provider: US Department of the Army  
(Name of Operator's Company providing service to the PWS)

Shipping Address: 25800 Ralph Fair Rd  
(Must be physical/deliverable Street Address, no P. O. boxes)

City/State/Zip: Boerne, TX 78015-4877

Office Phone Number: (210) 295-7422 Cell Phone Number: (210) 825-0725

Fax Number: (210) 295-7407 E-Mail: cheryl.a.henderson.civ@mail.mil

**REPORTING AND BILLING INFORMATION**

Report Contact: Environmental Office

Reporting Address: 25800 Ralph Fair Rd.

City/State/Zip: Boerne, TX 78015-4877

Office Phone Number: (210) 295-7320 Cell Phone Number: (210) 240-0146

Fax Number: (210) 295-7386 Alternate E-Mail: ShirleyB@cssamma.com

Invoice Contact: Steven Honeck

Invoice Address: 25800 Ralph Fair Rd.

City/State/Zip: Boerne, TX 78015-4877

Office Phone Number: (210) 295-7433 Cell Phone Number: ( )

Fax Number: (210) 295-7463 Alternate E-Mail: steven.e.honeck.civ@mail.mil

Please return to ELS with current samples or via fax, email or USPS  
*Thanks so much for your time and consideration!*

Questions? Contact ELS at:

Toll Free: 877-362-5272. Please ask for Jessie or Sandra. Fax: (512)356-6021 or  
email [envlab@lcra.org](mailto:envlab@lcra.org), [jessica.burns@lcra.org](mailto:jessica.burns@lcra.org), [sandra.green@lcra.org](mailto:sandra.green@lcra.org)

TCEQ Lead/Copper Program Contact: (512) 239-4758 or email [jacqueline.goveas@tceq.texas.gov](mailto:jacqueline.goveas@tceq.texas.gov)