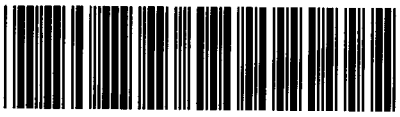


Control Number: 42958

Item Number: 37

Addendum StartPage: 0

PUC DOCKET NO. 42958

APPLICATION OF AQUA UTILITIES, INC. AND AQUA TEXAS, INC. FOR SALE, TRANSFER, OR MERGER OF FACILITIES AND TO AMEND CERTIFICATES OF CONVENIENCE AND NECESSITY IN CHAMBERS, JEFFERSON AND LIBERTY COUNTIES (GRAY UTILITY SERVICE WATER SYSTEM; 37943-S)	§	**PUBLIC UTILITY COMMISSION OF TEXAS**

AQUA TEXAS' RESPONSE TO ORDER NO. 14

TO THE HONORABLE ADMINISTRATIVE LAW JUDGE:

COME NOW, Aqua Utilities, Inc. and Aqua Texas, Inc. d/b/a Aqua Texas ("Aqua Texas" or "Applicants") and file this Response to Order No. 14 Requiring Responses and Adopting Supplemental Procedural Schedule. In support thereof, Aqua Texas would show the following.

I. BACKGROUND

On June 4, 2014, Aqua Texas filed a Sale, Transfer, or Merger ("STM") application with the Texas Commission on Environmental Quality ("TCEQ") to transfer certain certificated water service areas and assets from Aqua Utilities, Inc. to Aqua Texas, Inc. as part of a reorganization effort. After a lengthy administrative review period, the Application was deemed administratively complete and the Applicants were authorized to proceed with public notice for same. Public notice was completed on September 25, 2015 and an affidavit showing proof of notice was filed with the Commission on September 30, 2015. **Importantly, the same well-qualified personnel will operate the transferred systems both before and after the proposed sale/transfer.** Thus, no hearing is warranted on either "adequacy of service" provided or "noncompliance" issues in this particular STM docket since the proposed transaction has no potential to alter the status quo.

3

Commission rules provide that whether to hold a hearing on such issues in STM dockets is discretionary.[1]

Nevertheless, to the extent relevant here, Aqua Utilities, Inc. submits it is providing continuous and adequate service to customers of the systems identified in Commission Staff's Response[2] and neither Aqua Texas entity has compliance history issues that warrant a hearing.[3] Prior ownership of the systems to be transferred left behind certain problem issues that required resolution. Most of those problems were identified and fixed either before or after Aqua Utilities, Inc. took ownership on December 29, 2010. Not all those issues were identified by TCEQ inspectors during the prior ownership. In 2015, as noted by Commission Staff, more issues were identified by Aqua Utilities, Inc. and TCEQ inspectors while this Application was pending. Some items are already resolved. For others, Aqua Utilities, Inc. has undertaken efforts to resolve them, but they still require work with TCEQ. That does not mean that service is inadequate, that a hearing is warranted, or that the Commission should not approve the transaction proposed in the Application. Part of continuous and adequate service for public drinking water systems is knowing how to respond to problems as they arise. Aqua Texas, Inc. is committed to continuing the work of Aqua Utilities, Inc. until all outstanding items noted by Commission Staff are resolved to TCEQ's satisfaction and will correct any additional compliance issues that may be identified in the future. Applicants note that this commitment was discussed in the Application as originally filed with TCEQ on June 4, 2014.[4]

---

[1] P.U.C. SUBST. R. 24.109(e).

[2] *See* Commission Staff's Response to Order No. 13 and Recommendation on Application at 2.

[3] Commission Staff contends these issues must be considered under P.U.C. SUBST. R. 24.109(e)(3)(A) and (e)(5)(B).

[4] *See* Application at pages 4-5 of 21.

Order No. 14 Requiring Responses states that Applicants shall provide "documents evidencing responses and resolutions to the NOV letters" by December 18, 2015. Importantly, Applicants note that the "NOV letters" merely allege violations and should not be construed as actual violations at this time. Not all items are resolved or have documentation, but Applicants can report the status for each item as set forth below.

II. SUPPLEMENTAL APPLICATION INFORMATION PROVIDED

In response to Commission Staff's last filed recommendation and Order No. 14, Aqua Texas provides the following supplemental Application information:

1. **Hackberry Creek (PWS 0360100)**

   After Aqua Utilities, Inc. acquired this system, it resolved a problem with naturally occurring arsenic by installing a treatment system which has long since been operational. Unfortunately, a compliance sample was taken at a time this year when the treatment system was being rehabilitated and a media change-out was occurring. The result was an abnormally high sample, but this was an anomaly. Proper public notice had to be provided in accordance with TCEQ rules. A confirmation sample was collected on October 19, 2015 that showed the water being supplied to customers on a regular basis is actually substantially below the maximum contaminant level allowed. **Exhibit A.** Compliance is assessed on a running twelve-month average spanning the most recent four quarters. Therefore, compliance will not be officially achieved for several more months. TCEQ does not typically provide any type of confirmation when this type of compliance is achieved. Compliance will simply be documented in records kept for this particular public drinking water system.

2. **Oak Meadows II Subdivision (PWS No. 1050100) and Oak Meadows III Subdivision (PWS No. 1460096)**

   Aqua Utilities, Inc. possesses proper sanitary control easements for both of these systems and does not know why this became an issue for TCEQ this year as the wells have been in place for many years. Aqua Utilities, Inc. plans to work with TCEQ to determine precisely what documentation is needed to resolve this issue and provide same. Regarding the capacity issue for Oak Meadows III, please see the alternative capacity requirement (exception) request submitted on September 1, 2015 by Aqua Utilities, Inc.'s contract engineer, Manley Engineering and Associates. **Exhibit B.** Aqua Utilities, Inc. is still waiting for TCEQ approval of same.

3. **Webb Way Subdivision (PWS 1460137)**

The attached report from the Drinking Water Watch database shows that this system is "active" and not "inactive." **Exhibit C**. Therefore, Aqua Utilities, Inc. considers this matter resolved. Regarding the other issues identified, please see the attached correspondence between Aqua Utilities, Inc. and TCEQ dated December 17, 2015. **Exhibit D**. For the items identified in this year's inspection, this correspondence shows Aqua Utilities, Inc.'s demonstration of resolved issues and its plan for resolving the remaining issues by the end of the first quarter of 2016. Even though the well for this system was in place for many years under prior ownership, Aqua Utilities, Inc. has not been able to locate a recorded sanitary control easement for the well. Therefore, it plans to file a sanitary control easement exception request with TCEQ as is sometimes required in these types of situations.

In sum, Aqua Utilities, Inc. has either resolved or is in the process of resolving all issues identified by Commission Staff with these public drinking water systems. Aqua Texas, Inc. will continue this work after the sale/transfer is completed. Approving the Application will facilitate service efforts for these systems.

III. CONCLUSION

Aqua Texas respectfully requests that the ALJ issue an order providing notice to the Applicants that they may consummate the transaction proposed in the Application without a contested case hearing after consideration of the supplemental Application information contained herein. Aqua Texas respectfully requests that it be notified immediately if this response is insufficient to address Commission Staff concerns regarding the ability of Aqua Texas, Inc. to provide continuous and adequate service to customers of the subject public drinking water systems.

Respectfully submitted,

THE TERRILL FIRM, P.C.

By: _____

Paul M. Terrill III
State Bar No. 00785094
Geoffrey P. Kirshbaum
State Bar No. 24029665
810 West 10th Street
Austin, Texas 78701
Tel: (512) 474-9100
Fax: (512) 474-9888

ATTORNEYS FOR AQUA UTILITIES, INC. AND AQUA TEXAS, INC. D/B/A AQUA TEXAS

CERTIFICATE OF SERVICE

I certify that a copy of this document will be served on all parties of record on December 18, 2015 in accordance with P.U.C. Procedural Rule 22.74.

_____
Geoffrey P. Kirshbaum

NWDLS North Water District Laboratory Services, Inc.
8725 Fawn Trail - The Woodlands, TX 77385
(936) 321-6060 - fax (936) 321-6061 - lab@nwdls.com

Test Report
Hackberry Potable - Aqua Texas
Sample Date: 10/19/2015

Report #327363F
Site: AQT 1516

Report Generated
10/26/2015 09:54
Page 1 of 1

GST Collection Point - Grab

Sample Time	C	Received Lab	Arsenic ug/L
10/19 11:35	JK	10/19 17:09	2.38(1) 10/22 13:21 CL

EXHIBIT A

D. McDaniel
Deena McDaniel - Compliance Coordinator

Data Qualifiers: (1)J1 - reported value associated QC was outside the established quality control criteria for accuracy and/or precision.

All analysis started within the time frame specified in "Standard Methods for the Examination of Water and Wastes", 20th Edition, 1998, or EPA "Methods for Chemical Analysis of Water and Wastes". Analyst, date and time of analysis is shown below result. Methods stated below come from "Standard Methods for the Examination of Water and Wastewater", 20th Edition, 1998, or EPA Methodology.
As-ICPMS.EPA 200.8 RL .5

NWDLS North Water District Laboratory Services, Inc.
8725 Fawn Trail - The Woodlands, TX 77385
(936) 321-6060 - fax (936) 321-6061 - lab@nwdls.com

QA Test Report

Hackberry Potable - Aqua Texas

Sample Date: 10/19/2015

Report #327364

Site: AQT 1516

Report Generated 10/26/2015 09:54

GST Collection Point - Grab

Sample Time	C	Received Lab	Duplicate Arsenic ug/L	Spike Arsenic ug/L	Standard Arsenic ug/L	Blank Arsenic ug/L
10/19 11:35	JK	10/19 17:09	0.79/0.64 10/22 13:15 CL	48.95/50.00 10/22 13:18 CL	50.91/50.00 10/22 13:08 CL	<0.50 10/22 13:05 CL

Analysis	Reporting Limit
As-ICPMS (EPA 200.8)	.5 ug/L

All analysis started within the time frame specified in "Standard Methods for the Examination of Water and Wastes", 20th Edition, 1998, or EPA "Methods for Chemical Analysis of Water and Wastes".
Analyst, date and time of analysis is shown below result. QA/QC is for the group of ten samples.
Methods stated below come from "Standard Methods for the Examination of Water and Wastewater", 20th Edition, 1998, or EPA Methodology.
Methods: As-ICPMS:EPA 200.8

Route: Jason Keasling 10/19/15

CSN-782810 Page 1 of 1

NWDLS
North Water District Laboratory Services, Inc.

North Water District
Laboratory Services, Inc.
8725 Fawn Trail - The Woodlands, TX 77385
(936) 321-6060 - fax (936) 321-6061 - lab@nwdls.com

CHAIN OF CUSTODY RECORD

1516 - Hackberry Potable

Site: 1516
Hackberry Potable

Customer: AQT
Aqua Texas
2211 Louetta Road
Spring, Texas 77388

#	Sample ID	Collection Point	Date	Time	Sample Type	Container Size	Container Type	Container Content	Preserve	Hold	Requested Analysis & Remarks
1	1133-3587	GST	10/19/15	1135	GRAB	250mL	HDPE	Liquid	HNO3	180D	As-ICPMS EPA 200.8
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											

NOTES:

Sampler (Signature) Jason Keasling	Relinquished By (Signature)	Date: Time:	Received By (Signature)	Date: Time:
Print Name: Jason Keasling	Relinquished By (Signature)	Date: Time:	Received By (Signature) Paul Boulé	Date: 10.19.15 Time: 1330
Affiliation: N.W.D.L.S., Inc.	Relinquished To Laboratory By (Signature) Jason Keasling	Date: 10.19.15 Time: 1330	Received For Laboratory By (Signature) Paul Boulé	Date: 10.19.15 Time: 1709

pH Meter #9 Calibration

Time	Slope	Buffers
03:15	58.6	4:7:10

DO Meter #9 100% Air Calibration

Time	Temp °C	D.O.
03:20	20	8.96

EXHIBIT B

MANLEY ENGINEERING AND ASSOCIATES

September 1, 2015

Mr. Joel Klumpp
Manager Plan and Technical Review Section
Utility Technical Review & Oversight Team
Water Supply Division MC-159
Texas Commission on Environmental Quality
12100 Park Place 35 Circle
Austin TX 78753

RE: Oak Meadows, Harris County Texas
TCEQ Investigation No.
Public §Water System I.D.140100
Montgomery County, Texas

Dear Mr. Klumpp:

Manley Engineering and Associates, Inc. on behalf of Aqua Texas, Inc. is submitting the engineering report as requested for an exception to meet minimum well capacity as identified by TCEQ statute 30 § 290.45 **Minimum Water System Capacity Requirements.** (b)(1)(B)(i) a well capacity of .6 gallons per minute (gpm) per connection;

Oak Meadow is subdivision with 47 active connections with a net work of small water mains throughout the entire subdivision.

The following is the 2015 recording monthly pumping volumes for Oak Meadows III

Month	Meter Readings		
	Billed	Pumped	
Jan-15	382	747.0	thousand gallons
Feb-15	281.3	699.5	thousand gallons
March-15	277.9	700.6	thousand gallons
April-15	254.2	567.0	thousand gallons
May-15	203.9	457.5	thousand gallons
June-15	203.2	370.1	thousand gallons
July-15	216.6	376.4	thousand gallons
Aug-15	310.6	581.4	thousand gallons
Sept-15	321	637.0	thousand gallons
Totals	1399.3		thousand gallons

Total Gallons Billed 1399.9 thousand gallons or 1,399,300 gallons or 5,125 gpd
Total Summary Days = 273
Average Well rated capacity= 52 gallons/min.
Average daily demand = 109.05 gpd x 47 = 5,125 gallons per day
Maximum Daily Demand 30TAC§290.38(41) 109.05 x 2.4 x 47 = 12,300 gpd
Maximum daily demand per connection = 0.18 gallons per connection
Per 30TAC§290.45(g)(2) safety factor 1.15 results in a equivalency factor of .35
Therefore the minimum well capacity is .35 x 1.5= .52 gallons per minute

For 47 connections the required well capacity will be approximately 25 gpm
The existing well on 10/29/2014 was rated at 52gpm

Please review the engineering evaluation of the system. Should you have any questions relative to this request please contact Timothy D. Manley at 713-777-5725 or Donald Francis at 281-651-0174

Sincerely,

Timothy D. Manley, P.E.
President

EXHIBIT C

Texas Commission on Environmental Quality	Office of Water	Public Drinking Water Section
County Map of TX	Water System Search	Office of Compliance and Enforcement

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

Water System Detail Information			
Water System No.:	TX1460137	System Type:	C
Water System Name:	WEBB WAY SUBDIVISION	Primary Source Type:	GW
Principal County Served:	LIBERTY	System Status:	A
Principal City Served:		Activity Date:	09-21-2011
Population:	43	System Recognition:	NO DATA

Water System Contacts			
Type	Contact	Communication	
		Phone Type	Value
AC - Administrative Contact	FOLTZ, SCOT, W 1106 CLAYTON LN STE 400W AUSTIN, TX 78723-2476	BUS - Business	512-990-4400
		MOB - Mobile	512-844-6475

Sources of Water			
Name	Type	Activity	Availability
1 - LOT 8 / WEBB RD	WL	A	P

Source Water Percentages			
Surface Water	0	Surface Water Purchased	0
Ground Water	0	Ground Water Purchased	0
Ground Water UDI	0	Ground Water UDI Purchased	0

Water Purchases
Water System \ Treatment Status
No Water Purchases

Buyers of Water
Water System / Population / Availability (blank, (S)easonal, (E)mergency, (I)nterim, (P)ermanent, (O)ther
No Buyers

Total Population Served = 43
Total Population Served included ALL active connections, including emergency.

Annual Operating Period(s)					
Effective Begin Date	Effective End Date	Start Month/Day	End Month/Day	Type	Population
09-14-2015	No End Date	1/1	12/31	R	43

Service Connections			
Type	Count	Meter Type	Meter Size
RS	15	ME	0

Service Area	
Code	Name
R	MOBILE HOME PARK

Regulating Agencies	
Name	Alias/Inspector
TX COMMISSION ON ENVIRONMENTAL QUALITY	TCEQ

Water System Historical Names
Historical Name(s)

System Certification Requirements		
Certification Name	Code	Begin Date

WS Flow Rates		
Type	Quantity	UOM

WS Measures		
Type	Quantity	UOM

WS Indicators		
Type	Value	Date
DBP2 - Stage2 DBPR Schedule Category	4 - 4	10-01-2013
POWN - Previous Ownership Type Code. This is the WUD ownership code.	PRVT - Private	
PRFT - Status as a For or Non Profit Entitiy	FOR - For Profit	
SSWP - State Source Water Program	NO - No	06-22-2009
XCON - Cross Connection control Program Ranking	ADQTE - Adequate	08-06-2012

EXHIBIT D

From: Foltz, Scot W.
To: ronald.hebert@tceq.texas.gov
Cc: Wade, Adrian E.; Mitchell, Larry E.; Geoff Kirshbaum
Subject: Webb Way (1460137)
Date: Thursday, December 17, 2015 1:36:58 PM
Attachments: 20151217104807824.pdf
20151217112935502.pdf
Webb Way ReportOutput-IWTFJ.xlsx
Example electronic work order.pdf
Webb Way OP Manual.pdf
20151217113653116.pdf

Mr. Herber

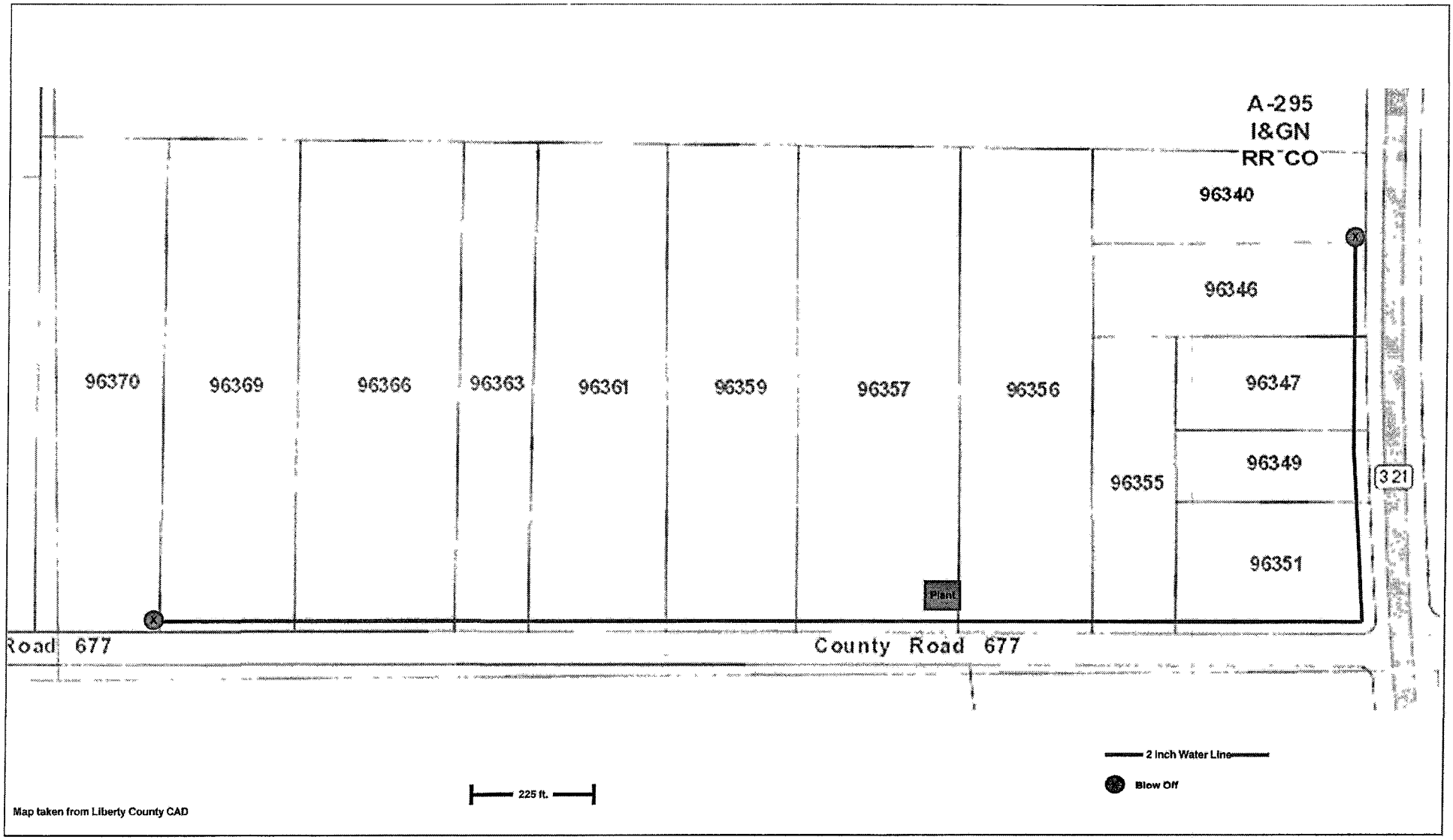
Attached is documentation to address violations from the August 28, 2015, violation letter resulting from the July 28, 2015 inspection of the subject water system. I have attached the following documentation

- A distribution map to address - tracking number 580696
- An updated monitoring plan to be maintained at the plant - tracking number 580698
- Chlorine residual results Entry point report as take from Aqua's electronic work order system for April 2015-June 2015 as requested, a copy of an example work order and the DLQOR for April – June for distribution chlorine sample results. – tracking number 580692
- Operations manual - tracking number 580692

We will work with an engineer or other appropriate consultant to file for a sanitary control easement exception in the first quarter of 2016. A records review by our attorney was un successful in locating the required SCE. - tracking number 580691

I am verifying the fencing issue noted, will have required repairs made and will follow-up with pictures once completed. - tracking number 580700

Scot W. Foltz
Environmental Compliance Manager
Aqua Texas Inc.
O: 512-990-4400 x56101
M: 512-844-6475



Aqua	Webb Way Water System	Prepared by:
	PWSID: 14600137 Liberty County	Scot Foltz, Env. Compliance Manager

Monitoring Plan

Webb Way Water System PWS I.D. No. 1460137

Aqua Texas, Owner

1106 Clayton Ln., Ste. 400 W.

Austin, Texas 787263

512-990-4400

Scot Foltz, Environmental Compliance Manager

512-874-6488

Houston Area Office

2211 Louetta Rd.

Spring, Texas 77388

281-651-0174

Vacant, Area Manager

Field Supervisor, Spring East

Adrian "Duke" Wade

Plan updated July 2015

Updated by Larry E. Mitchell, Environmental Compliance Coordinator

15 connections estimated population served 45

Webb Way Water System

PWS ID#1460137 Liberty County, Texas

Public Water System Monitoring Plan

A. Raw Water Sampling

The source of water for the Webb Way Water System consists of a groundwater well on the plant site on Webb Rd. North of Dayton in Liberty County, Texas. The well is equipped with a hose bib located at the wellhead prior to any treatment. This hose bib is for raw water sampling. At this time the system is not required to routinely collect raw water samples from the well. With the adoption of the new ground water rule, effective December 1, 2009, raw samples must be collected from active wells if a coliform found distribution sample is reported to the water system.

B. Entry Point Sampling

There is only one entry point in the Webb Way Water System at the present time. It is Entry Point Number 001 located at Water Plant #1. The source of water for the entry point is a groundwater well that pumps into two pressure tanks. The actual sample site is a hose bib on the pressure tank piping. Attachment 1 is a schematic of the Entry Point #001.

Letters are no longer received from TCEQ each year detailing the sampling which is to occur that year. You must look at Drinking Water Watch and the sampling schedule contained there to see what samples are scheduled to be collected by TCEQ. A printout of the schedule is contained in the monitoring plan file.

1. Disinfectant Entering the Distribution System.

The Webb Way system uses liquid chlorine as a disinfectant in the distribution system and the residual is maintained at a minimum concentration of 0.2mg/l free chlorine at the far reaches of the system. The residual is measured at least once per week at the applicable sampling site. The residual is measured with a HACH Pocket Colorimeter DPD Chlorine Residual Test Kit. The system is in compliance if the free chlorine residual entering the distribution system is at least 0.2 mg/l and high enough to maintain the 0.2 mg/l throughout the distribution system.

2. Organics and In-organics

The TCEQ's sampling contractor collects these samples. The contaminant concentrations at the Entry Point 001 are measured at the applicable sampling site. Samples are sent to a certified lab by the TCEQ's sampling contractor. If the concentrations of contaminants are less than the regulatory maximum contaminant levels, the system is in compliance. The TCEQ will inform the system of violations. Copies of any letters informing the system are attached in the back of this monitoring plan.

3. Radio-chemicals

a. The TCEQ contractor will collect samples for radio-chemicals.

b. The approved site for sampling radio-chemicals under the Radio-chemical Rule is each Entry Point therefore the samples will be collected from Entry Point #001.

c. The TCEQ's contractor will send the radio-chemical samples to a certified lab for analysis.

d. The system is in compliance if the maximum contaminant level is not exceeded. The TCEQ will notify the system if there is a violation of the radiochemical rule.

C. Distribution System Sampling

The distribution system consists of the line that leaves the water plant and serves a total of 15 residential connections in the Webb Way System. Attachment 2 is a schematic of the site plan for the water plant and distribution system. As previously noted, Attachment 1 is a schematic of the Water Plant #1.

1. Bacteriological Samples

a. One sample is collected monthly from the distribution system and tested for coliform bacteria as required by EPA and TCEQ Drinking Water Standards.

b. The Coliform Sample Siting Plan for the Webb Way System is attached.

c. The samples are collected by a contract sampler and delivered to North Water District Laboratory Services. The Texas Commission on Environmental Quality certifies the lab for performing drinking water bacteriological testing. The lab is located at 8725 Fawn Trail, The Woodlands, Texas 77385 and the phone number is (936) 321-6060.

d. The water system is compliant with the Coliform Rule if

i. no repeat samples are fecal or *E. coli* positive,

ii. no repeat following a fecal or *E. coli* positive routine sample is positive for total coliform,

iii. no more than one of the routine samples are total coliform positive and none of the repeats are fecal or *E. coli* positives.

2. Disinfectant Residual – Free Residual

a. The disinfectant residual is measured at the same time as bacteriological samples are collected.

b. The operator also measures the disinfectant residual at least once every seven days.

c. The disinfectant residual is measured at the same locations as those on the Coliform Sample Siting Plan.

d. The residual is measured with a HACH Pocket Colorimeter DPD Chlorine Residual Test Kit.

e. The system complies with the reporting requirements for disinfectant residual by filling out Water System Log Sheets every month, and providing these records to the TCEQ compliance investigator upon request. 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. The system is in compliance with the maximum residual disinfectant limit (MRDL) if the running annual average of all samples taken in the distribution system is less than 4.0 mg/l.

3. Disinfectant Byproducts (DBPs) – TTHM and HAA5

Samples must be collected and tested for TTHMs for systems serving fewer than 10,000 starting in 2004. The DBP samples will be collected at a site designated by TCEQ and Aqua Texas.

a. The TCEQ's sampling contractor collects these samples.

b. The DBP sample will be collected from a site designated by TCEQ and Aqua Texas. Only one sample is required for this system.

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

d. The system is in compliance if the running annual average of all samples is less than the maximum contaminant level. The TCEQ will notify us of any violation and what steps the water system must take to address any violations.

4. Lead Copper

a. The TCEQ will inform the system when sampling must occur.

b. The lead-copper sampling site list is attached to this monitoring plan.

c. Per TCEQ instructions, samples are shipped to a certified lab.

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

D. Lab Approval Form

The laboratory approval form is attached.

CHLORINE & COLIFORM SAMPLE SITE PLAN

WEBB WAY WS
LIBERTY COUNTY
PWS ID# 1460137

Site #	Street Address	Line Size
1	134 B County Road 677	
2	414 County Road 677	
3	174 CR 677	

ASBESTOS SAMPLE SITE PLAN

WEBB WAY WS
LIBERTY COUNTY
PWS ID# 1460137

Site #	Street Address	Line Size
1	ASB-01- 366 CR 667	

DISINECTION BY PRODUCT SAMPLE SITE PLAN

WEBB WAY WS
LIBERTY COUNTY
PWS ID# 1460137

Site #	Street Address	Line Size
1	DBP1-01- 366 CR 667	
2	DBP2-01- 366 CR 667	

LEAD & COPPER SAMPLE SITE PLAN

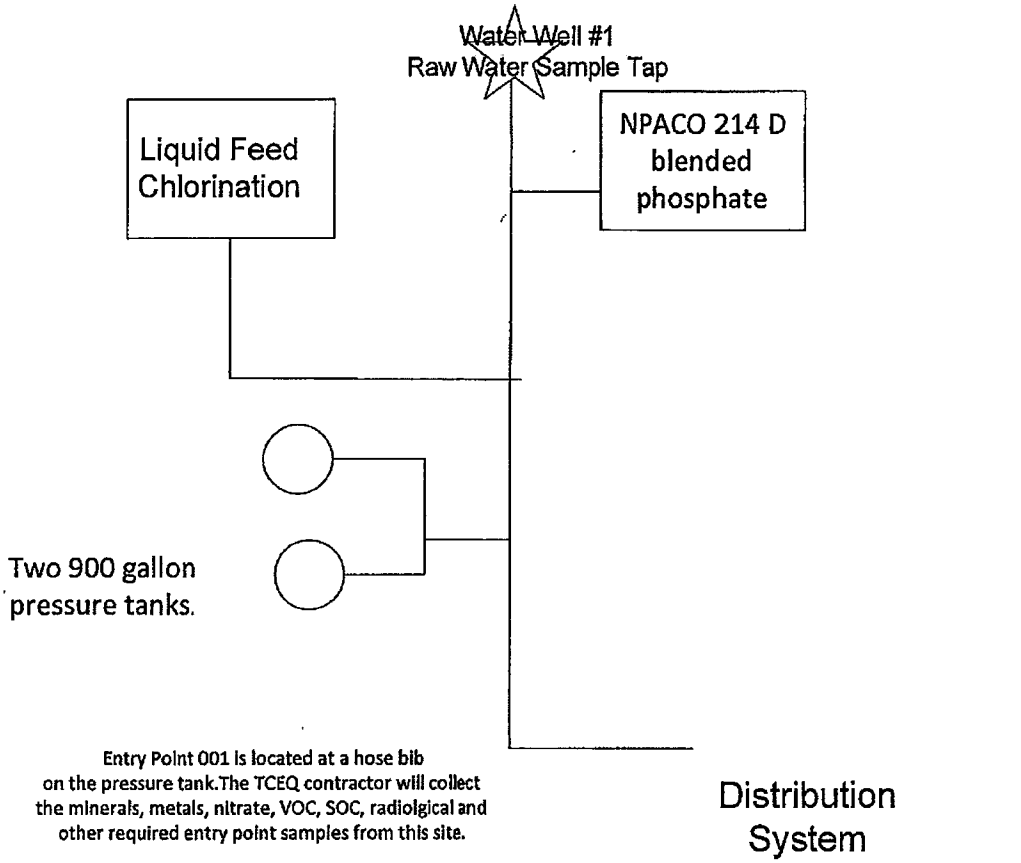
WEBB WAY WS
LIBERTY COUNTY
PWS ID# 1460137

Site #	Street Address
1	658 CR 677
2	516 CR 677
3	366 CR 677
4	247 CR 677
5	174 CR 677
6	134 CR 677
7	238 CR 677
8	302 CR 677
9	414 CR 677
10	

Attachment 1

Webb Way Water System
PWS ID#1460137
Liberty County, Texas
Water Plant #1

Entry Point 001



Drinking Water Lab Approval Form

Public Water System Name: Port Adventure WS **Plant Name or Number:** ___

PWS ID No.: 2280031 **Date:** _____

I certify that I am familiar with the information contained in this report and that
To the best of my knowledge, this information is true, complete, and accurate.

Operator's Signature*: _____

Certificate No. & Grade* _____

*Or, for Labs, Lab Analyst's signature, name, title, and phone number.

Analyte 1	Method (&Analyzer Type)	Accuracy	Calibration Frequency	Calibration Method	Record Retention
Turbidity	Not Required	I can report to ±0.05 NTU ☐ Yes ☐ No			
pH	Not Required	I can report to ±0.1 pH ☐ Yes ☐ No			
Temperature	Not Required	I can report to ±0.5°C ☐ Yes ☐ No			
Fluoride	Not Required	I can report to ± ____mg/l ☐ Yes ☐ No			
UV254	Not required	I can report to± ____cm-1 ☐ Yes ☐ No			
Alkalinity	Not Required	I can report to ±0.05NTU ☐ Yes ☐ No			
Disinfectant					
Free Chlorine 1		I can report to ± 0.1 mg/l ☐ Yes ☐ No			
Total Chlorine 2	Not Required	I can report to ± 0.1 mg/l ☐ Yes ☐ No			
Chlorine Dioxide 3	Not Required	I can report to ± 0.05 mg/l ☐ Yes ☐ No			
Chlorite 3 At point of entry	Not Required	I can report to ± ____ mg/l ☐ Yes ☐ No			
Calcium 4	Not Required	I can report to ± ____ mg/l ☐ Yes ☐ No			
Phosphate 4	Not Required	I can report to ± 0.01 mg/l ☐ Yes ☐ No			

1. If your system conducts the test, enter the method that you use or identify the make and model number of the instrument or test kit that you use to run the test. If samples are sent to an outside lab, enter the name of the lab that runs the test for you. If you are not required to run one or more of the tests, write 'Not Required' next to the tests that you do not run.
2. If your system does not add ammonia at any point during the treatment process, you must list a free chlorine method. If your system adds ammonia at any point during the treatment process, you should be able to run both Free and Total Chlorine tests.
3. Systems that use chlorine dioxide must list the method that they use to measure these analytes.
4. Required only if your system is reporting water quality parameters for the Lead/Copper Rule.

Work Order #	Complete	Parent Location	Asset	Na Complete	Cl 2 Residual (Entry Point)
TX-ETX-2011803	TS	Webb Way (1460137)	Well-1	4/3/2015 18:22	3
TX-ETX-2032319	TS	Webb Way (1460137)	Well-1	4/7/2015 10:03	1.83
TX-ETX-2036608	TS	Webb Way (1460137)	Well-1	4/10/2015 13:36	1.6
TX-ETX-2052002	TS	Webb Way (1460137)	Well-1	4/14/2015 9:34	1.54
TX-ETX-2055190	TS	Webb Way (1460137)	Well-1	4/17/2015 14:03	1.3
TX-ETX-2074934	TS	Webb Way (1460137)	Well-1	4/21/2015 11:49	1.31
TX-ETX-2084505	TS	Webb Way (1460137)	Well-1	4/24/2015 12:44	1.4
TX-ETX-2101016	TS	Webb Way (1460137)	Well-1	4/28/2015 7:33	2.4
TX-ETX-2104528	TS	Webb Way (1460137)	Well-1	5/1/2015 10:02	2.6
TX-ETX-2122794	AR	Webb Way (1460137)	Well-1	5/7/2015 17:06	2.3
TX-ETX-2127820	KL	Webb Way (1460137)	Well-1	5/8/2015 12:19	2.1
TX-ETX-2141952	KL	Webb Way (1460137)	Well-1	5/11/2015 18:38	1.95
TX-ETX-2145140	KL	Webb Way (1460137)	Well-1	5/15/2015 12:03	1.85
TX-ETX-2157613	KL	Webb Way (1460137)	Well-1	5/19/2015 12:55	1.32
TX-ETX-2161540	KL	Webb Way (1460137)	Well-1	5/20/2015 15:30	1.4
TX-ETX-2173241	KL	Webb Way (1460137)	Well-1	5/26/2015 13:52	1.45
TX-ETX-2176539	KL	Webb Way (1460137)	Well-1	5/28/2015 12:12	1.5
TX-ETX-2188174	KL	Webb Way (1460137)	Well-1	6/1/2015 13:05	1.15
TX-ETX-2193921	KL	Webb Way (1460137)	Well-1	6/3/2015 17:08	1.2
TX-ETX-2209809	KL	Webb Way (1460137)	Well-1	6/8/2015 13:26	1.05
TX-ETX-2213004	KL	Webb Way (1460137)	Well-1	6/10/2015 11:42	1.5
TX-ETX-2224545	KL	Webb Way (1460137)	Well-1	6/16/2015 11:16	2.4
TX-ETX-2227671	KL	Webb Way (1460137)	Well-1	6/19/2015 14:58	2.2
TX-ETX-2242905	KL	Webb Way (1460137)	Well-1	6/23/2015 11:50	1.01
TX-ETX-2246091	KL	Webb Way (1460137)	Well-1	6/25/2015 14:24	3
TX-ETX-2257836	KL	Webb Way (1460137)	Well-1	6/29/2015 16:08	3.1

AQUA

Work Order TX-ETX-2032319

TX-East Texas
Printed 12/17/2015 - 1:03 PM

Maintenance Details

Requested: 4/4/2015 2:37:30 AM
Procedure: Well RV - Webb Way (ETX-RV-WELL-WW)
Reason: Well RV - Webb Way

Target: 4/6/2015 (1) hr
Priority/Type: Normal / REQUIRED VISIT
Shop: TX-SPRING EAST

TX
East Texas
Spring East
Webb Way (1460137)
Webb Way WP1 (WEBB WAY-1460137-WP1)
Well-1 (WEBB WAY-1460137-WP1-1)

☐ Warranty ☐ Shutdown ☐ Lockout ☐ Attach ☐ Charge

Contact:
Phone:

Tasks

#	Description	Rating	Meas.	Initials	Failed	Complete
1	Meter 1 Reading		27568		☐	☑
2	Master Meter Rolled (Y/N)				☐	☐
3	Well ETM		1403.8		☐	☑
4	Time Meter Rolled (Y/N)				☐	☐
5	GPM		53		☐	☑
6	Gallons Per Day (GPD)		.027		☐	☑
7	Pressure		52		☐	☑
8	GST Level				☐	☐
9	Free Chlorine Residual		1.83		☐	☑
10	Total Chlorine				☐	☐
11	pH				☐	☐
12	Chlorine Amount (Lbs or Gallons)		19.25		☐	☑
13	Chlorine Used (gals)		.25		☐	☑
14	Chlorine Gas Used (lbs)				☐	☐
15	Caustic Soda Liquid Level				☐	☐
16	Caustic Soda Gallons Used				☐	☐
17	Phosphate Gallons in Vat		19		☐	☑
18	Phosphate Used (gals)		1		☐	☑
19	Ammonia Available				☐	☐
20	Ammonia Fed				☐	☐
21	CL2 Bottles Full (count when leaving plant)				☐	☐
22	CL2 Bottles Empty (count when leaving plant)				☐	☐
23	CL2 Bottles in Use (count when leaving plant)				☐	☐
24	Pump 1 ETM				☐	☐
25	Pump 2 ETM				☐	☐
26	Pump 3 ETM				☐	☐
27	Pump 4 ETM				☐	☐
28	Comments for MOR				☐	☐
					☐	☐

Labor

Labor	Account	Assigned	Work Date	Start	End	Reg Hrs	OT Hrs	Other Hrs
Shepard Jr, Thomas		4/4/2015 / 0						

Materials/Tools

Barcode Item	Location	Account	Est Qty	Actual Qty

Labor Report

Completed: _____ Failure: _____ Meter 1: _____ Meter 2: _____

Report:

PLANT OPERATIONS MANUAL

PWS ID:	1460137
PWS Name:	Webb Way
Region:	Spring East
Area:	ETX

AQUA

Review/Update Date	Reviewed By	Comments
December 2015	Scot Foltz	Initial DRAFT

TABLE OF CONTENTS

FACILITY INFORMATION

A. RAW WATER SOURCES

This is a groundwater production plant that only utilizes water from a well(s) as its source. The process is generally standard as any groundwater facility, with a few variations of equipment sizes and control settings. Refer to the critical capacity sheet in the appendix.

B. TREATMENT PLANT DESCRIPTION AND DESIGN

The treatment plant design is based on system demand, water quality and source capacity considerations. Below is an overview of this system's facilities. Specific capacities of critical components can be found in Appendix B – Critical Capacity Sheet. A flow diagram is contained in Appendix C – Monitoring Plan.

SYSTEM OVERVIEW (check all that apply)

SOURCE	TREATMENT		CHEMICAL FEEDS		DISTRIBUTION
X Groundwater ☐ GWUI ☐ Purchased	☐ Iron/Manganese Removal ☐ Chemical Oxidation ☐ Aeration ☐ Ion Exchange ☐ Coagulation ☐ Sedimentation ☐ Stabilization	☐ Filtration ☐ Absorption ☐ UV X Disinfection ☐ Fluoridation ☐ Corrosion Control ☐ Other _Sequestering_____	☐ Alum ☐ Iron Salts ☐ Lime ☐ Soda Ash ☐ Caustic Soda ☐ CO_2 ☐ $KMnO_4$ ☐ Polymers	X Phosphates ☐ Fluoride ☐ PAC ☐ Chlorine Gas X NaClO ☐ ClO_2 ☐ Ferric Chloride ☐ Ferric Sulfate ☐ Other_____	X Pressure Tanks ☐ Storage Tanks ☐ Booster Stations

SYSTEM RECORDS

All records (daily log forms, monthly operator reports, sample results, drawings, and etc.) are kept in the Aqua Texas, Inc. offices at

"X"	Area	Physical Address
	West Austin	3209 Hillbilly Ln, Austin, TX 78746
	Kerrville	512 Rodriguez St., Kerrville, TX 78028
	Wimberley	2611 FM 2325, Wimberley, TX 78676
	Fort worth	9450 Silver Creek Rd, Fort Worth, TX 76108
	Granbury	9450 Silver Creek Rd, Fort Worth, TX 76108
	Waco	7025 Sanger Ave, Waco, TX 76710
X	Spring (All)	2211 Louetta Rd., Spring TX 77388

GENERAL SAFETY MEASURES

Chlorine and sodium hypochlorite are very corrosive. Do not handle with bare hands. Eye protection must be worn at all time when working on or around the disinfection facilities. If spilled on skin or clothing, flush area with water immediately.

-DO NOT DIRECTLY INHALE gas chlorine or hypochlorite.
-Store chemicals out of direct natural light.
-Incompatible chemicals shall be stored in separate isolated areas.

GENERAL PUBLIC RELATIONS POLICY

Water system personnel shall adhere to high standards of public service that emphasize professionalism and courtesy. Employees are required to maintain good moral conduct, and to do their part in maintaining good relations with their supervisors and fellow employees, the customers and general public, and state regulators.

Procedures to follow on customer complaints:

1. Be polite and professional when speaking to customers.
2. **Advise the customer to call the Customer Service Center at 877-987-2782 with any complaint.**
3. A work order will be issued for the complaint as soon as possible.
4. Make an attempt to resolve or advise supervisor for reassignment of the complaint.
5. Advise the customer of the results or the reassignment of the complaint and who to contact for further assistance.

UTILITY OPERATIONS
MAJOR COMPONENTS AND PROCESSES

WELL

The well is operated by internal level control floats tied to the ground storage tank(s) which energizes the motor starter and chlorine equipment. The well comes on automatically based on pre-determined settings. The well can also be turned on manually at the control box using the Hand/Off/Automatic (HOA) switch or by tripping the mercoid switch, if equipped. The manual switch is needed to run the well during the daily routine plant checks. If the well does not operate in the manual mode, check the breakers and reset them if needed. If the well still does not operate, then notify your supervisor.

PRESSURE TANK

The pressure tank is equipped a pressure switch, a pressure relief valve, a pressure gauge, drain valves, and a hose bib.

AIR COMPRESSOR

The compressor works with an electrode either in the pressure tank in a remote sensor tube housed in the pump station/treatment building. The compressor only runs when the pressure tank needs more air to maintain the air-to-water ratio at the proper level and the system pressure is low enough to make the contacts in the pressure switch. The compressor only runs if the pressure switch is tripped and the water level is above the electrode from the top in the pressure tank. When the water level drops below the second electrode from the top, the compressor will stop. This is done to keep the air compressor from being left on manually by mistake and building extreme pressure in the pressure tank and distribution system. Some systems may have an air compressor that is operated manually to maintain the proper to-water ratio.

ELECTRICAL AND CONTROLS

This plant has a central breaker box and motor starter boxes. The central breaker box contains a main breaker, which turns off all the power inside the plant, and several smaller breakers to turn off the well, air compressors, lights and other electrical outlets. The well box contains a motor starter and includes motor overload protection. (See inside each starter box for details) All pumps, motors, and chemical feed pumps can be manually or automatically turned on and off.

LIQUID CHLORINE CHEMICAL FEED SYSTEM

There is one chlorine chemical feed system. This system is connected to the well motor starter, therefore when the water level drops below the pre-determined level, the motor starter will start the well pump motor and the chemical feed system too. Once the pre-determined level has been reach, the well and chemical feed system(s) will stop.

START UP PROCEDURES

If for any reason the system has been off line or down, the steps for startup of the plant are as follows:

1) Turn all switches to OFF position. Only check for main power source from electric company if you are trained to do so. It should be 240 volts single (1) phase. Test each leg of electric to ground – two (2) legs will be 120 and one (1) should be 150-175 volts.
2) Turn Power Switch to ON position at the main breaker panel.
3) Check all breakers to be properly reset to ON position.
4) Check and reset all motor starter resets.
5) At the motor control box turn the H-O-A Switch to the AUTO position – well and chemical feed pumps should start if water level/pressure is below the set points.
6) At the breaker panel turn the Air Compressor Switch to the AUTO position – nothing may happen if the air/water balance in the hydro-pneumatic tank(s) is within operating range.
7) At this time all switches should be in the AUTO position and the plant is back to complete automatic operation.
8) All flush valves need to be opened – 1 or 2 at a time and run until all air is removed from the distribution system and a total chlorine residual of at least 0.5 mg/l is obtained at each. Slowly filling and flushing the system will be more effective at removing air than high velocity flushing.
9) See Appendix D to determine if a Boil Water Notification issued.

NORMAL OPERATING PROCEDURES

Upon arriving at the water plant the following items must be performed in.

Daily Requirements or each required visit if less than daily:

1) A visual check of premises for trash or litter and removal of any
2) A visual check of the tank and other equipment or piping for leaks or problems
3) A visual check of the tank level and system pressure
    a) If at any time the pressure is below 20 psi then refer to Appendix D for additional procedures. Contact your supervisor and advise them of the situation.
4) Record storage tank level and system pressure to daily log
5) Measure and record to the MOR the levels with phosphate and chlorine containers notice that some amount has been used since last entry.
    a) Visually check chemical feed pumps to be primed.
    b) Test chlorine residual at plant to be sure water entering distribution system has been treated. Chlorine residual should be between 0.8 and 1.5 mg/l on free chlorine, if not adjust chlorine chemical feed system accordingly. If chloramines are used then the residual range should be between 1.0 and 2.0 mg/l.
    c) If the chlorine residual is below 0.2 free/ 0.5 total refer to Appendix D to determine if a boil water advisory is needed. Contact your supervisor and advise them of the situation.
6) Read and record to the MOR the well meter reading and system usage since last entry
7) Verify that usage is in normal range of daily usage and system does not appear to have a leak in distribution.
8) Record daily disinfectant residual checks from distribution system to the MOR.
9) Record any distribution flushing to proper date and locations under comments on the MOR.
10) Record any leak/repair locations with estimated losses during the leak to the MOR. See Appendix H for estimated loss calculation guidance.

Weekly:

1) Sweep or wash inside of plant area
2) Test and record phosphate residual and pH to daily log sheet. The phosphate residual should read between 2 and 6 mg/l, if not adjust the phosphate chemical feed pump up or down accordingly.
3) Check and drain contents from filter in air line between compressor and pressure tank
4) Clean outside of plant building, clean fence or any undergrowth, and general cleanup of all equipment.
5) Test well production.
    a) If well production is over 20% less than that recorded on the Critical Capacity Sheet notify your supervisor.
    b) If at any time the total daily demand is 75% of pumping capacity or the well pumps run more than 16 hours per day for three days in any one week then watering restrictions may need to be implemented in accordance with Aqua's Drought Contingency Plan. Notify your supervisor and the compliance team immediately.

Monthly:

1) Collect the required microbiological samples in accordance with the Sample Site Plan for analysis with completed forms and deliver to the approved lab.
    a) If any sample is Positive complete sampling as indicated in **Appendix C**
2) Flush any areas that have not been flushed in distribution and record on daily log sheet date, location, and approximate usage. TCEQ requires all dead end mains to be flushed monthly.
3) Prepare Monthly Operating Report from daily log sheet information.
4) Check lubricant/grease on any pumps, motors, etc. to ensure proper level.

5) Chlorine System Monthly Checks
    a) Have ready and put on any Personal Protective Equipment (PPE) according to facility policy and MSDS. Facility polices may add to but never take away from PPE required in MSDS.
    b) Verify feed and storage area lighting and ventilation function properly prior to entry to perform PM checks.
    c) Inspect all tubing and plumbing from bulk storage through the feed unit all the way to the process injection point.
    d) Verify leak detection functions and alarms, if available.
    e) Verify containment device is clear of debris. Properly remove according to facility procedure/policy and in accordance to MSDS.
    f) Calibrate leak detection equipment and function test at completion to ensure operation.
    g) Flush process delivery piping.
    h) Function test eductor, regulator, pump, and/or solenoid for proper full range of function.
    i) Document these tests in the facility log book.

Annually:

1) Do required tank inspections and complete Annual Tank Inspection forms per TCEQ Rules and Regulations (See attached Tank Inspection Program)
2) Check well head and well sealing block and caulk any cracks.
3) Check and replace screened openings – well vent, tank vents, etc.
4) Check heater(s) for safe operation

BACTERIOLOGICAL SAMPLING

1. Take samples at the beginning of the month to give ample time for re-sampling if needed.
2. Avoid sampling on rainy or windy days, if possible.
3. Locate the proper location to obtain the sample using the **attached sample site plan.**
4. Obtain a prepared sterile container from the warehouse and drive to the appropriate sample site. Do no use old or improperly stored containers. Never open containers before use or pour out reagents that are in sample containers.
5. Visually check the faucet to ensure the sampling point is sanitary (no overhanging plants, insect nests, etc.)
6. Test for chlorine. If the chlorine levels are 0.2 free, flush the service line fully opening the faucet and allowing water to run 2 minutes. If chlorine is too low or no reading at all, flush until chlorine reads are 0.2. Then wait 20 minutes to give chlorine a chance to disinfect the line. Then retake the chlorine test, if it is at least 0.2 free or 0.5 total, the go to step 7. If a good chlorine reading is not obtained after flushing, DO NOT TAKE THE BACTI SAMPLE AT THIS LOCATION. Properly flush the area and start over at step 5.
7. -Close the faucet and disinfect the facet.
   -Use a 6% sodium hypochlorite solution, such as household liquid bleach. **Do not use chlorine solutions with special scents**. To prepare a sanitizing solution, add one ounce of bleach to one gallon of water (or 1 tablespoon per half-gallon). Store the mixed solution in a tightly closed screw-capped container. The solution should be discarded and remade Monthly. Stronger solutions can be used; however, some faucet discoloration may result.
   Apply the sanitizing prepared solution to the sample tap. This can be accomplished by either using a spray bottle or a plastic bag.
   (1) Using a spray bottle, saturate the tap opening with sanitizing solution then wait at least 2 minutes before proceeding, **or**
   (2) Place a bag over the nozzle and hold the top of the bag tightly on the tap. Alternately squeeze and release the bag to flush the solution in and out of the tap. Do this for 2 minutes. A fresh solution and bag must be used to sanitize each tap.
8. Flush faucet to remove any residual disinfectant from the sample tap.
9. Reduce the flow to pencil-sized stream, fill the prepared sample container with at least 100 ml, but not completely full. Seal the container immediately. NEVER BREATH, SNEEZE, OR COUGH ON SAMPLE WHILE CONTAINER IS OPEN.
10. Fill out the form that comes with the container and send the sample and form to the laboratory.
11. DO NOT DELAY SUBMITTING THE SAMPLE. IT SHOULD ARRIVE AT THE LAB WITHIN 24 HOURS OF THE TIME IT WAS COLLECTED. DO NOT STORE THE SAMPLE IN THE TRUCK. IT SHOULD BE REFRIGERATED UNTIL DELIVERED TO THE LAB.
12. If the sample is positive, resample according to the **procedures in the Appendix C.**

Note: This outline of procedures is not intended to replace required operator training or certification.

EMERGENCY RESPONSE INFORMATION
East Texas

a) Contact field supervisor during any low pressure event, water outage or other significant service issue.

Supervisor	Area	Cell #
Hans Anderson	Spring South	713-202-2942
Ray Francis	Spring West	713-805-1660
Duke Wade	Spring East	832-562-0910

2. Contact following for well or well pump problems:

Contractor Name	Phone #
Felder Water Well	979-849-2517
Ballard Water Well	936-856-6374

3. Contact the following for electrical controls and motor problems:

Contractor Name	Phone #
NTS	281-477-7867
EFS	281-361-7455

4. Contact the following for leak repairs:

Contractor Name	Phone #
CDC	281-879-0500
H2O	936-447-4267

5. Problem involving water outage more than two hours:
   - Contact field supervisor, and if after hours, contact NOVO 1 at (262) 827- 6450
   - Review attached Boil Water Notice SOP to determine need for a boil advisory.

6. Operators:

Name	Cell #	Certification #
Kevin Lee	832-627-6199	GW Treat. C & Dist. C

7. EPA Region 6: 800-887-6063

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

AREA & REGIONAL OFFICES

TCEQ AREA OFFICES

BORDER AND PERMIAN BASIN

Region 6, El Paso • Region 7, Midland
Region 15, Harlingen • Region 16, Laredo

Area Director: David A. Ramirez
1804 W. Jefferson Ave. • Harlingen, TX 78550-5247
956-425-6010 • FAX: 956-412-5059

COASTAL AND EAST TEXAS

Region 5, Tyler • Region 10, Beaumont • Region 12, Houston • Region 14, Corpus Christi

Area Director: Kelly Keel Linden, MC 172
P.O. Box 13087 • Austin, TX 78711-3087
12100 Park 35 Circle • Austin, TX 78753
512-239-3607 • FAX: 512-239-4390

CENTRAL TEXAS

Region 9, Waco • Region 11, Austin • Region 13, San Antonio

Area Director: Susan Jablonski, P.E., MC 172
P.O. Box 13087 • Austin, TX 78711-3087
12100 Park 35 Circle • Austin, TX 78753
512-239-6731 • FAX: 512-239-4390

NORTH CENTRAL AND WEST TEXAS

Region 1, Amarillo • Region 2, Lubbock • Region 3, Abilene
Region 4, Dallas/Fort Worth • Region 8, San Angelo

Area Director: Randy J. Ammons
5012 50th St., Ste. 100 • Lubbock, TX 79414-3426
806-796-7092 • FAX: 806-796-7107

TCEQ REGIONAL AND WATERMASTER OFFICES

1 – AMARILLO

Regional Director: Brad Jones
3918 Canyon Dr.
Amarillo, TX 79109-4933
806-353-9251 • FAX: 806-358-9545

2 – LUBBOCK

Regional Director: Gary Shipp
5012 50th St., Ste. 100
Lubbock, TX 79414-3426
806-796-7092 • FAX: 806-796-7107

3 – ABILENE

Regional Director: Winona Henry
1977 Industrial Blvd.
Abilene, TX 79602-7833
325-698-9674 • FAX: 325-692-5869

4 – DALLAS/FORT WORTH

Regional Director: Tony Walker
2309 Gravel Dr.
Fort Worth, TX 76118-6951
817-588-5800 • FAX: 817-588-5700

Stephenville Office
(Concentrated Animal Feeding Operations)
580 W. Lingleville Rd., Ste. D
Stephenville, TX 76401-2209
254-965-9200 or 800-687-7078

5 – TYLER

Regional Director: Leroy Biggers
2916 Teague Dr.
Tyler, TX 75701-3734
903-535-5100 • FAX: 903-595-1562

6 – EL PASO

Regional Director: Lorinda Gardner
401 E. Franklin Ave., Ste. 560
El Paso, TX 79901-1212
915-834-4949 • FAX: 915-834-4940

7 – MIDLAND

Regional Director: Lorinda Gardner
9900 W. IH-20, Ste. 100
Midland, TX 79706
432-570-1359 • FAX: 432-561-5512

8 – SAN ANGELO

Regional Director: Winona Henry
622 S. Oakes, Ste. K
San Angelo, TX 76903-7035
325-655-9479 • FAX: 325-658-5431

9 – WACO

Regional Director: David Van Soest
6801 Sanger Ave., Ste. 2500
Waco, TX 76710-7826
254-751-0335 • FAX: 254-772-9241

10 – BEAUMONT

Regional Director: Kathryn Sauceda
3870 Eastex Fwy.
Beaumont, TX 77703-1830
409-898-3838 • FAX: 409-892-2119

11 – AUSTIN

Regional Director: David Van Soest
P.O. Box 13087 • Austin, TX 78711-3087
12100 Park 35 Circle • Austin, TX 78753
512-339-2929 • FAX: 512-339-3795

12 – HOUSTON

Regional Director: Ashley K. Wadick
5425 Polk St., Ste. H
Houston, TX 77023-1452
713-767-3500 • FAX: 713-767-3520

13 – SAN ANTONIO

Regional Director: Joel Anderson
14250 Judson Rd.
San Antonio, TX 78233-4480
210-490-3096 • FAX: 210-545-4329

14 – CORPUS CHRISTI

Regional Director: Susan Clewis
NRC Bldg., Ste. 1200,
6300 Ocean Dr., Unit 5839
Corpus Christi, TX 78412-5839
361-825-3100 • FAX: 361-825-3101

15 – HARLINGEN

Regional Director: Jaime A. Garza
1804 W. Jefferson Ave.
Harlingen, TX 78550-5247
956-425-6010 • FAX: 956-412-5059

16 – LAREDO

Regional Director: Jaime A. Garza
707 E. Calton Rd., Ste. 304
Laredo, TX 78041-3887
956-791-6611 • FAX: 956-791-6716

TEXAS WATERMASTERS

Brazos Watermaster: Molly Mohler
6801 Sanger Ave., Ste. 2500
Waco, TX 76710-7826
254-751-0335 • FAX: 254-772-9241

Concho Watermaster: Steve Ramos
622 S. Oakes, Ste. K
San Angelo, TX 76903-7035
325-481-8069 or 866-314-4894
FAX: 325-658-5431

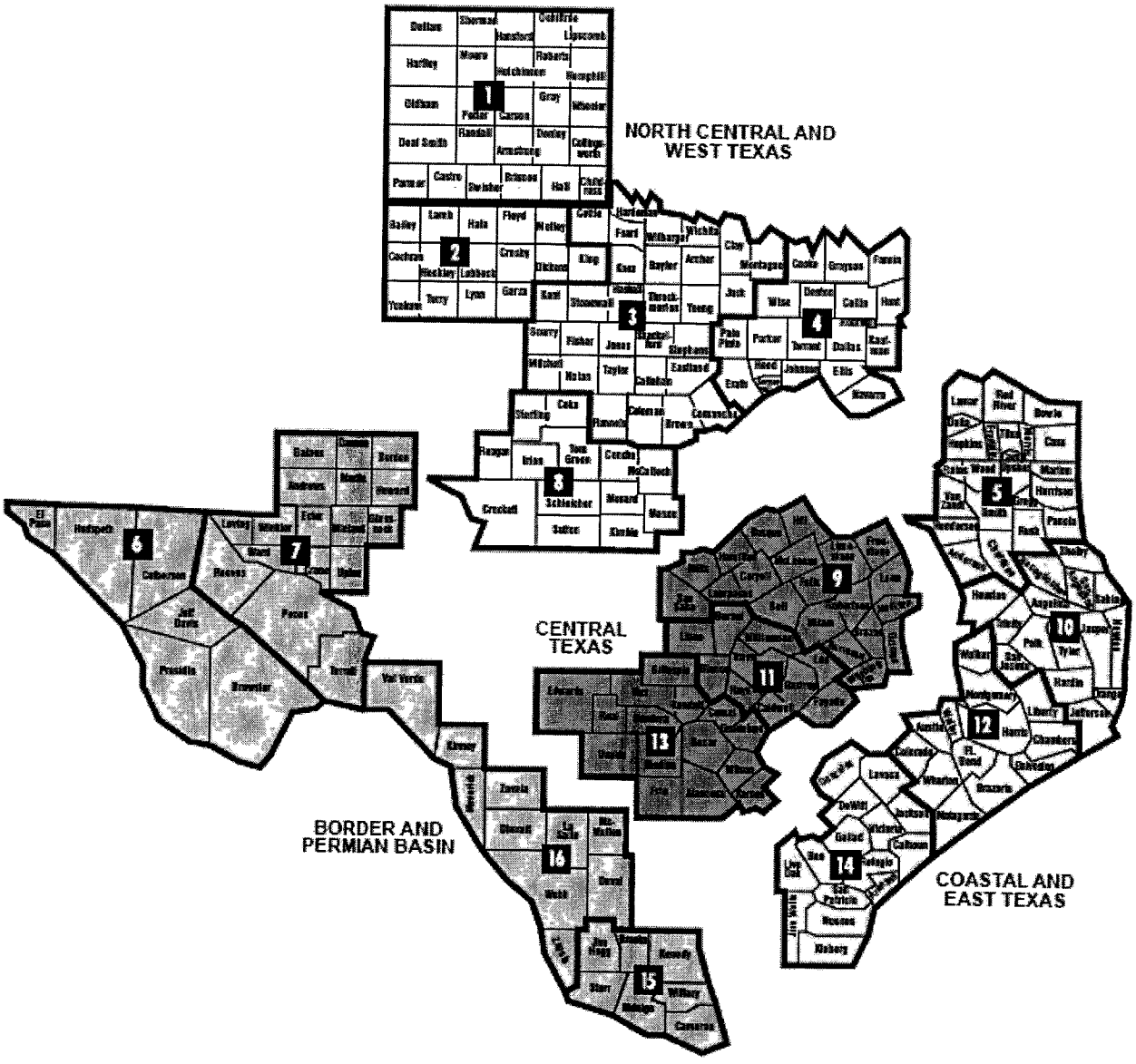
Rio Grande Watermaster: Jose Luna
Eagle Pass Office
P.O. Box 1185 • Eagle Pass, TX 78853-1185
1152 Ferry St., Ste. E & F
Eagle Pass, TX 78852-4367
830-773-5059 • 800-609-1219
FAX: 830-773-4103

Harlingen Office
1804 W. Jefferson Ave.
Harlingen, TX 78550-5247
956-430-6056 or 800-609-1219
FAX: 956-430-6052

South Texas Watermaster: Steve Ramos
14250 Judson Rd.
San Antonio, TX 78233-4480
210-490-3096 or 800-733-2733
FAX: 210-545-4329

TCEQ rules, publications, agendas and highlights of commission meetings, and other environmental information are available on the TCEQ website at <www.tceq.texas.gov>. Additional region information is available at <www.tceq.texas.gov/goto/regions>.

TCEQ AREAS & REGIONS



TCEQ REGIONS

1 AMARILLO	5 TYLER	9 WACO	13 SAN ANTONIO
2 LUBBOCK	6 EL PASO	10 BEAUMONT	14 CORPUS CHRISTI
3 ABILENE	7 MIDLAND	11 AUSTIN	15 HARLINGEN
4 DALLAS/FORT WORTH	8 SAN ANGELO	12 HOUSTON	16 LAREDO

Appendix A

Daily Log Sheet

Aqua Texas Inc

System Name: _____ Water Plant # 1 _____ Month: _____ Year: _____

Date	Time	System Pressure	GST Level	Well No. 1				Well No. 2	Well No. 3	Booster Pump ETM's				Bleach				Caustic Soda		Polyphosphate		pH	Oper. Initials
				Flow Meter	Well GPM	Pumpage Per Day	Well ETM	Flow Meter	Flow Meter	Pump 1	Pump 2	Pump 3	Pump 4	Cylinder Weight	Pounds Used	Rate of Feed	Residual	Liquid Level	Gallons Used	Liquid Level	Gallons Used		
1																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							
20																							
21																							
22																							
23																							
24																							
25																							
26																							
27																							
28																							
29																							
30																							
31																							

Next Month First Reading Well No. 1: _____ Date Reading Taken _____

Next Month First Reading Well No. 2: _____ Date Reading Taken _____

Next Month First Reading Well No. 3: _____ Date Reading Taken _____

DO NOT FILL IN SHADED AREAS IF NOT REQUIRED BY THIS PLANT

Appendix B

Critical Capacity Sheet(s)

Aqua Texas, Inc.

Critical Capacity Survey

System Name	Webb Way	**System I.D.**	1460137
System address	Webb Rd.	**County**	Liberty
	Dayton , TX	**Metered Connections**	15

Pump Station (Name or #) Water Plant #1

Disinfection Gas/Hypo/Chloramines G/H/Chl	Sequestering Y/N
H	N

Other Treatments (Please Describe)

Wells (list all wells including plugged wells)	Production gpm	Status	Ground Storage Capacity (gals)	Hydro Tank Capacity (Gals)	Service Pumps HP	Service Pumps GPM	Elevated Storage Capacity (Gals)
	62	O	0	900			
2			0	900			
3							
4							
5							
6							
7							
8							
Station Totals	62		0	1,800		0	0

Well Status O=operational E=emergency P=abandoned & plugged
A=abandoned not plugged D=Demand (used only to meet peak demand)

Pump Station (Name or #)

Disinfection Gas/Hypo/Chloramines G/H/Chl	Sequestering Y/N
H	Y

Other Treatments (Please Describe)

Wells (list all wells including plugged wells)	Production gpm	Status	Ground Storage Capacity (gals)	Hydro Tank Capacity (Gals)	Service Pumps HP	Service Pumps GPM	Elevated Storage Capacity (Gals)
						0	
						0	
3						0	
4						0	
5						0	
6						0	
Station Totals	0		0	0		0	0

TOTAL CAPACITY OF ALL FACILITIES

	Production	Ground Storage	Hydro Tank	Service Pumps	Elevated Storage
Gallons or GPM	62	0	1,800	0	0
Million gallons	0.089	0.000	0.002	0.00	0.000
Required	23	3,000	750	30	1,500
% of capacity	36%	#DIV/0!	42%	#DIV/0!	#DIV/0!
Allowable conns.	103	0	90	0	0

Maximum Connections based on critical component **0**

Signature: Larry Mitchell **Date** 7/23/2015

Systems with < 50 connections & no storage are required to have 1.5 gpm/connection well capacity and 50 gals/connection hydro tank .
This spreadsheet does not calculate for this system configuration.

Additional Pump station data and treatments on second page

Appendix C

Monitoring Plan

Appendix D

Public Water Supplier Response to Loss of Pressure to all or Parts of the Distribution System
(aka BWN SOP)

AQUA TEXAS, INC

Public Water Supplier Response to Loss of Pressure to all or Parts of the Distribution System

Standard Operating Procedure

Revision Date	Revision By	Summary
May 28, 2014	Scot Foltz	Added clarification for confirmation by Aqua staff for low or no chlorine samples collected by contract samplers. Included Aqua Compliance Checklist and TCEQ Certification form for convenience.