9/3/2017

KFDM Channel 6
2955 I-10 East
Beaumont, TX 77702

I own several public water systems in Hardin and Orange counties. Due to Hurricane Harvey per TCEQ I need to have the following statement (Boil Water Notice) broadcast on the local news as soon as possible please:

Boil Water Notice for Community Public Water Systems
September 3, 2017

Due to Hurricane Harvey water outages, the Texas Commission on Environmental Quality has required the Water Necessities and Rural Water public water system to notify all customers to boil their water prior to consumption (e.g., washing hands/face, brushing teeth, drinking, etc). Children, seniors, and persons with weakened immune systems are particularly vulnerable to harmful bacteria, and all customers should follow these directions.

To ensure destruction of all harmful bacteria and other microbes, water for drinking, cooking, and ice making should be boiled and cooled prior to use for drinking water or human consumption purposes. The water should be brought to a vigorous rolling boil and then boiled for two minutes.

In lieu of boiling, individuals may purchase bottled water or obtain water from some other suitable source for drinking water or human consumption purposes.

When it is no longer necessary to boil the water, the public water system officials will notify customers that the water is safe for drinking water or human consumption purposes.

Once the boil water notice is no longer in effect, the public water system will issue a notice to customers that rescind the boil water notice in a manner similar to this notice.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions concerning this matter, you may contact Water Necessities and/or Rural Water at 1020 N Main, Vidor, TX 409-769-9030.

This Boil Water Notice covers the following systems at this time:

Hardin County:	Orange County:
Countrywood	Claire
Dairyland	Corbett

Whispering Pines	**Timer**
New Forest	**Kinard**
Northwoods	**Evergreen Park**

Once broadcast on the local news I will need a response email as proof that the noticed was broadcast.

Thank You for your help,
Kelly Brewer-Operator/Owner
Cathy Cooper-Office Manager

Subject: Re: Boil Water Notice

From: Kelly Brewer (waternecessities@yahoo.com)

To: [redacted]

Date: Monday, September 4, 2017 11:09 AM

Thank You!

On Monday, September 4, 2017 10:50 AM, Tanya Soto [redacted] wrote:

Hi Kelly,

Thank you for your email. I will pass it on.

Best,
Tanya

From: Kelly Brewer [mailto:waternecessities@yahoo.com]
Sent: Monday, September 04, 2017 10:49 AM
To: KFDM News [redacted]
Subject: Re: Boil Water Notice

ATTEN: TONYA

On Sunday, September 3, 2017 3:16 PM, Kelly Brewer <waternecessities@yahoo.com> wrote:

Could you please issues the attached boil water notice.

Thank You,
Kelly Brewer-Owner/Operator
Cathy Cooper-Office Manager

TCEQ Microbial Monitoring Form

Public / Private Water System Identification and Sample Collection Information

(Please Type or Use Block Print)

Sabine River Authority of Texas
Environmental Services Division
1895 I-P Way
Orange, Texas 77632
Phone: 409-746-3284
Fax: 409-746-2249
TCEQ Lab ID: 48155

NELAC Certificate #: T104704266 TX

Test results meet all requirements of NELAC unless stated otherwise.

Public Water System ID: (Must be 7 digits; include all zeros) 1 8 1 0 1 4 3

Public Water System Name: Claire

County: Orange

Send Results To:
Name: Water Necessities
Address: Po Box 62
City: Vidor
State: Texas Zip: 77662-0000

Phone: 409-769-9030 Fax:

Sampler Name: Chanda Hall

Sampler Contact #: 409-782-7019 ☐ Owner ☑ Operator ☐ Other:

System Type (✓)
☑ Public ☐ Private ☐ Bottled / Vended
☐ Other:

Water Source (✓)
☑ Groundwater ☐ Surface Water
☐ Groundwater with Surface Water Influence

Laboratory Use Only – Do Not Mark to the Right of the Bold Center Line

Sample Iced? ☐ Yes ☑ No	Received By:	Date/Time Received:	9-11-17 11:45
If No, Temperature at Receipt? Gun # 8 24.6 °C	Tested By: LB	Date/Time Tested:	9-11-17 1335
	Reported By:	Date/Time Reported:	9-13-17 11:04

Report Approval Signature/Title: [signature] - Lab Tech

Approving Technical Director ☐ Polla Holtham ☑ Leigh-ann Trawhon Date of Approval: 9-13-17

Sample Identification / Location: Use Specific Address / Location, Not Site #	Collected: Date Month	Day	Year	Time (Please circle AM or PM)	Sample Type (✓): Distribution	Construction	Raw Well	Special	Repeat	Include Lab ID of Originating Positive on all Repeat Samples	Chlorine Residual: ☑ Free mg/L ☐ Total mg/L	Unsuitable Sample* Please Resubmit	Rejection Criteria #	Lab Results NOTE: All test results relate only to the sample(s) received. Test Method: (✓) ☐ SM 9222 A, B, C ☑ Colisure: Total Coliform Present	Total Coliform Absent	E. coli Present	E. coli Absent	Laboratory Sample ID Number
Raw Wells Use Source ID for Well sampled. Example: G1234567A																		
G1810143A	9	11	17	10:07 am/pm			☑				0			☐	☑	☐	☑	2017092250001
4570 N. Easy	9	11	17	10:41 am/pm				☑			.70			☑	☐	☐	☑	2017092250002
4795 N. Easy	9	11	17	10:34 am/pm				☑			.76			☐	☑	☐	☑	2017092250003
4680 N. Easy	9	11	17	10:27 am/pm				☑			.64			☐	☑	☐	☑	2017092250004
175 Claire	9	11	17	1102 am/pm				☑			.65			☑	☐	☐	☑	2017092250005
215 Claire	9	11	17	1055 am/pm				☑			.49			☐	☑	☐	☑	2017092250006
				am/pm										☐	☐	☐	☐	
				am/pm										☐	☐	☐	☐	
				am/pm										☐	☐	☐	☐	
				am/pm										☐	☐	☐	☐	

TCEQ Form: 10525 6/2009

* Unsuitable for Analysis Rejection Criteria # Definitions: 1 Sample Too Old. Analysis not initiated within 30 hrs of collection; 2 Quantity Insufficient for Analysis (100ml required); 3 Excessive Chlorine Residual (>10 mg/L); 4 Heavy Silt / Turbidity Present; 5 Form Incomplete / Date Discrepancy (Errors Circled); 6 Other:

Page 7 of 7

T&W 001803

TCEQ Microbial Monitoring Form

Public / Private Water System Identification and Sample Collection Information

(Please Type or Use Block Print)

Sabine River Authority of Texas
Environmental Services Division
1895 I-P Way
Orange, Texas 77632
Phone: 409-746-3284
Fax: 409-746-2249
TCEQ Lab ID: 48155

ACCREDITED IN ACCORDANCE WITH NELAC
NELAC Certificate #: T104704266 TX
Test results meet all requirements of NELAC unless stated otherwise.

Public Water System ID: (Must be 7 digits; include all zeros)	1 8 1 0 1 4 3
Public Water System Name:	CLAIRE
County:	ORANGE
Send Results To: Name	WATER NECESSITIES
Address	P O BOX 62
City	VIDOR
State	TEXAS Zip 77670
Phone	409-769-9030 Fax
Sampler Name	CHANDA HALL
Sampler Contact #	409-782-7019 ☐ Owner ☑ Operator ☐ Other:
System Type (✓)	☑ Public ☐ Private ☐ Bottled / Vended ☐ Other:
Water Source (✓)	☑ Groundwater ☐ Surface Water ☐ Groundwater with Surface Water Influence

Laboratory Use Only – Do Not Mark to the Right of the Bold Center Line

Sample Iced? ☐ Yes ☑ No	Received By:	RC	Date/Time Received:	9/13/17 12:50	
If No, Temperature at Receipt? Gun# 8	Tested By:	SS	Date/Time Tested:	9-13-17 1355	
26.5 °C	Reported By:	[signature]	Date/Time Reported:	9-14-17 16:17	
Report Approval Signature/Title:	[signature] - Lab Tech				
Approving Technical Director	☐ Pollie Hollham	☑ Leigh-ann Trawhon		Date of Approval:	9-14-17

Lab Results — NOTE: All test results relate only to the samples as received. Test Method (✓): ☐ SM 9222 A, B, C ☑ Colilert

Sample Identification / Location (Use Specific Address / Location, Not Site #; Raw Wells Use Source ID for Well sampled, Example: G1234567A)	Month	Day	Year	Time (Please circle AM or PM)	Sample Type (✓) Distribution / Construction / Raw Well / Special / Repeat	Include Lab ID of Originating Positive on all Repeat Samples	Chlorine Residual (☑ Free mg/L ☐ Total mg/L)	Unsuitable Sample* Please Resubmit — Rejection Criteria #	Total Coliform Present	Total Coliform Absent	E. coli Present	E. coli Absent	Laboratory Sample ID Number
175 Claire	9	13	17	1154 am	Special ☑		.61		☐	☒	☐	☒	201709326-001
4570 N Easy	9	13	17	1202 pm	Special ☑		.68		☐	☒	☐	☒	201709326-002
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	
				am pm	☐☐☐☐☐				☐	☐	☐	☐	

TCEQ Form: 10525 6/2009

* Unsuitable for Analysis Rejection Criteria # Definitions: 1 Sample Too Old, Analysis not Initiated within 30 hrs of collection; 2 Quantity Insufficient for Analysis (100ml required); 3 Excessive Chlorine Residual (>10 mg/L); 4 Heavy Silt / Turbidity Present; 5 Form Incomplete / Date Discrepancy (Errors Circled); 6 Other:

TCEQ Microbial Monitoring Form

Public / Private Water System Identification and Sample Collection Information

(Please Type or Use Block Print)

Public Water System ID: (Must be 7 digits; include all zeros) 1 8 1 0 1 4 3

Public Water System Name: Claire

County: Orange

Send Results To:
Name: Water Necessities
Address: Po Box 62
City: Vidor
State: Texas Zip: 77662-

Phone: 409-769-9030 Fax:

Sampler Name: Chanda Hall

Sampler Contact #: 409-782-7019 ☐ Owner ☑ Operator ☐ Other:

System Type (✓)

☑ Public ☐ Private ☐ Bottled / Vended ☐ Other:

Water Source (✓)

☑ Groundwater ☐ Surface Water ☐ Groundwater with Surface Water Influence

Sabine River Authority of Texas
Environmental Services Division
1895 I-P Way
Orange, Texas 77632
Phone: 409-746-3284
Fax: 409-746-2249
TCEQ Lab ID: 48155

ACCREDITED IN ACCORDANCE WITH NELAC
NELAC Certificate #: T104704266 TX

Test results meet all requirements of NELAC unless stated otherwise.

Laboratory Use Only – Do Not Mark to the Right of the Bold Center Line

Sample Iced? ☐ Yes ☐ No	Received By: LT	Date/Time Received:	9-11-17 11:45
If No, Temperature at Receipt? Gun # 8 24.6 °C	Tested By: LB	Date/Time Tested:	9-11-17 1335
	Reported By: LT	Date/Time Reported:	9-13-17 11:04

Report Approval Signature/Title: S. Hill - Lab Tech

Approving Technical Director ☐ Pollie Holtham ☑ Leigh-ann Trawhon Date of Approval: 9-13-17

Sample Identification / Location: Use Specific Address / Location Not Site # — Raw Wells Use Source ID for Well sampled. Example: G1234567A	Collected: Date Month	Day	Year	Time: Please circle AM or PM	Sample Type (✓): Distribution	Construction	Raw Well	Special	Repeat	Include Lab ID of Originating Positive on all Repeat Samples	Chlorine Residual: Free mg/L	Total mg/L	Unsuitable Sample* Please Resubmit: Rejection Criteria #	Lab Results NOTE: All test results relate only to the sample as received. Test Method: (✓) ☐ SM 9222 A, B, C ☑ Colisure: Total Coliform Present	Absent	E. coli Present	Absent	Laboratory Sample ID Number
G1810143A	9	11	17	10:07 am/pm			☑				0				☒		20170922500 1
4570 N. Easy	9	11	17	10:41 am/pm				☑			.70			☒			20170922500 2
4795 N. Easy	9	11	17	10:34 am/pm				☑			.76				☒		20170922500 3
4680 N. Easy	9	11	17	10:27 am/pm				☑			.64				☒		20170922500 4
S 175 Claire	9	11	17	1102 am/pm				☑			.65			☒			20170922500 5
S 215 Claire	9	11	17	1055 am/pm				☑			.49				☒		20170922500 6
				am/pm													
				am/pm													
				am/pm													
				am/pm													

TCEQ Form: 10525 8/2009

* Unsuitable for Analysis Rejection Criteria # Definitions: 1 Sample Too Old. Analysis not initiated within 30 hrs of collection 2 Quantity Insufficient for Analysis (100ml required) 3 Excessive Chlorine Residual (>10 mg/L) 4 Heavy Silt / Turbidity Present 5 Form Incomplete / Date Discrepancy (Errors Circled) 6 Other:

TCEQ Microbial Monitoring Form

Public / Private Water System Identification and Sample Collection Information

(Please Type or Use Block Print)

Sabine River Authority of Texas
Environmental Services Division
1895 I-P Way
Orange, Texas 77632
Phone: 409-746-3284
Fax: 409-746-2249
TCEQ Lab ID: 48155

NELAC Certificate #: T104704266 TX

Test results meet all requirements of NELAC unless stated otherwise.

Public Water System ID: (Must be 7 digits include all zeros)	1 8 1 0 1 4 3
Public Water System Name:	CLAIRE
County:	ORANGE
Send Results To: Name	WATER NECESSITIES
Address	P O BOX 62
City	VIDOR
State	TEXAS Zip 77670-
Phone	409-769-9030 Fax
Sampler Name	CHANDA HALL
Sampler Contact #	409-782-7019 ☐ Owner ☑ Operator ☐ Other:

System Type (✓): ☑ Public ☐ Private ☐ Bottled / Vended ☐ Other:

Water Source (✓): ☑ Groundwater ☐ Surface Water ☐ Groundwater with Surface Water Influence

Laboratory Use Only – Do Not Mark to the Right of the Bold Center Line

Sample Iced? ☐ Yes ☑ No	Received By: BC	Date/Time Received: 9/13/17 12:50
If No, Temperature at Receipt? Gun# 8 26.5 °C	Tested By: SS	Date/Time Tested: 9-13-17 1355
	Reported By: [illegible]	Date/Time Reported: 9-14-17 16.17

Report Approval Signature/Title: [signature] - Lab Tech

Approving Technical Director ☐ Pollie Holtham ☑ Leigh-ann Trawhon Date of Approval: 9-14-17

Sample Identification / Location (Use Specific Address / Location Not Site #; Raw Wells Use Source ID for Well sampled; Example: G1234567A)	Month	Day	Year	Time (Please circle AM or PM)	Sample Type (✓) Distribution / Construction / Raw Well / Special / Repeat	Include Lab ID of Originating Positive on all Repeat Samples	Chlorine Residual: ☑ Free mg/L ☐ Total mg/L	Unsuitable Sample* Please Resubmit: Rejection Criteria #	Total Coliform Present	Total Coliform Absent	E. coli Present	E. coli Absent	Laboratory Sample ID Number
175 Claire	9	13	17	1154 am	Special		.61		☐	☒	☐	☒	201709326-001
4570 N Easy	9	13	17	1202 pm	Special		.68		☐	☒	☐	☒	201709326-002

Lab Results NOTE: All test results relate only to the sample as received. Test Method (✓): ☐ SM 9222 A, B, C ☑ Colisure

TCEQ Form: 10525 6/2009

* Unsuitable for Analysis Rejection Criteria # Definitions: 1 Sample Too Old, Analysis not initiated within 30 hrs of collection; 2 Quantity Insufficient for Analysis (100ml required); 3 Excessive Chlorine Residual (>10 mg/L); 4 Heavy Silt / Turbidity Present; 5 Form Incomplete / Date Discrepancy (Errors Circled); 6 Other:

PWS_____CO_____BWN

Texas Commission on Environmental Quality

CERTIFICATE OF DELIVERY OF PUBLIC NOTICE TO CUSTOMERS: Rescind Boil Water Notice

Public Water System (PWS) name: Claire

PWS ID: 1810143 Date Boil Water Notice Issued: 9/3/2017

30 TAC 290.46(q) requires a PWS to notify customers that a boil water notice has been rescinded. A public water system shall not rescind a boil water notice until the public water system has met all the applicable requirements as described in 30 TAC 290.46 (q)(6). Indicate "☒" for all requirements met and **provide documentation** with submittal:

- ☐ Sufficient water pressures (>20 psi) are consistently maintained per 30 TAC 290.47 (e).
- ☐ Affected area(s) have been thoroughly flushed and adequate chlorine residual (free >0.2mg/L, chloramine >0.5mg/L) is maintained throughout the system.
- ☐ Surface Water Treatment Rule Only - Finished water entering the system has turbidity levels consistently below 1.0 NTU
- ☐ Specific actions required by the Executive Director have been met (describe actions):

_____

- ☐ Microbiological samples, marked "Special", from representative sites in system, are analyzed by an approved lab and all results are negative for coliform organisms.

Please indicate how the PWS provided this rescind notification to customers.

COMMUNITY WATER SYSTEM (perform one or more of the following):

- ☑ Furnish a copy of the Notice to radio and television stations serving the PWS service area
- ☐ Publish Notice in a local newspaper serving the PWS service area
- ☐ Direct delivery of Notice to customers
- ☐ Continuously post Notice in conspicuous places within affected PWS service area
- ☐ Electronic delivery or alert systems (e.g., reverse 911)

NONCOMMUNITY WATER SYSTEM (perform one or more of the following):

- ☐ Direct delivery of Notice to customers
- ☐ Continuously post Notice in conspicuous places within affected PWS service area
- ☐ Electronic delivery or alert systems (e.g., reverse 911)

"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."

NOTE: 30 TAC 290.46(q)(6)(F) requires the PWS to provide documentation to the Executive Director within 10 days.

Date of Delivery to Customers: 9/11/2017 Phone: 409-769-9030

Certified by: (print name): Kelly Brewer Title: Operator

Signature: _____ Date: 9/28/2017

E-mail (PDWS@tceq.texas.gov) or mail a copy of this completed form, AND copies of the Rescind Notice given to your customers to: TCEQ – Water Supply Division MC – 155, Attn: Public Notice. P. O. Box 13087 Austin, TX 78711-3087

Revised 03/2017

Boil Water Rescind Notice

On September 3, 2017, the Texas Commission on Environmental Quality (TCEQ) required our public water system Claire, PWS ID 1810143 to issue a Boil Water Notice (BWN) to inform our customers that due to the presence of contaminants or an interruption in service, water from our system must be boiled prior to consumption.

Our system has taken the necessary corrective actions to restore adequate pressure, disinfectant levels, and/or bacteriological quality and has provided TCEQ with testing results that indicate that the water no longer requires boiling as of 9/11/2017.

If you have questions, contact Kelly Brewer at 409-791-2104 or 409-769-9030.

If a customer wishes to reach TCEQ, they may call 512-239-4691.

Subject: Re: RE: Boil Water Notice

From: waternecessities@yahoo.com

To: [redacted]

Date: Thursday, May 31, 2018 11:02:27 AM CDT

Please rescind the boil water notice as of 9/11/2017

Thank you

On Monday, September 04, 2017 03:42:25 AM CDT, Mann, Harold [redacted] wrote:

Will be broadcast on KLVI, KYKR, Big Dog 106, KISS 104.5 FM, and Cool 92.5

From: Kelly Brewer [mailto:waternecessities@yahoo.com]
Sent: Sunday, September 03, 2017 3:44 PM
To: Mann, Harold
Subject: Boil Water Notice

I own several public water systems in Hardin and Orange counties. Due to Hurricane Harvey per TCEQ I need to have the following statement (Boil Water Notice) broadcast on the local news as soon as possible please:

Boil Water Notice for Community Public Water Systems
September 3, 2017

Due to Hurricane Harvey water outages, the Texas Commission on Environmental Quality has required the Water Necessities and Rural Water public water system to notify all customers to boil their water prior to consumption (e.g., washing hands/face, brushing teeth, drinking, etc). Children, seniors, and persons with weakened immune systems are particularly vulnerable to harmful bacteria, and all customers should follow these directions.

To ensure destruction of all harmful bacteria and other microbes, water for drinking, cooking, and ice making should be boiled and cooled prior to use for drinking water or human consumption purposes. The water should be brought to a vigorous rolling boil and then boiled for two minutes.

In lieu of boiling, individuals may purchase bottled water or obtain water from some other suitable source for drinking water or human consumption purposes.

When it is no longer necessary to boil the water, the public water system officials will notify customers that the water is safe for drinking water or human consumption purposes.

Once the boil water notice is no longer in effect, the public water system will issue a notice to customers that rescind the boil water notice in a manner similar to this notice.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions concerning this matter, you may contact Water Necessities and/or Rural Water at 1020 N Main, Vidor, TX 409-769-9030.

This Boil Water Notice covers the following systems at this time:

Hardin County:	**Orange County:**
Countrywood	**Claire**
Dairyland	**Corbett**
Whispering Pines	**Timer**
New Forest	**Kinard**
Northwoods	**Evergreen Park**

Once broadcast on the local news I will need a response email as proof that the noticed was broadcast.

Thank You for your help,
Kelly Brewer-Operator/Owner
Cathy Cooper-Office Manager

LaMotte DC1500 Colorimeter
Calibration Log

Month April Year 2023 Operator Harry

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	off			
2	off			
3	0	.20	1.00	2.51
4	0	.21	1.01	2.51
5	0	.20	1.00	2.49
6	0	.19	1.00	2.48
7	0	.21	1.01	2.51
8	0	.21	.99	2.50
9	0	.20	.99	2.50
10	0	.21	1.00	2.51
11	0	.22	1.02	2.51
12	0	.21	1.00	2.50
13	0	.20	1.00	2.51
14	0	.20	1.01	2.50
15	off			
16	off			
17	0	.20	1.01	2.51
18	0	.19	.98	2.50
19	0	.21	1.01	2.48
20	0	.22	1.00	2.49
21	0	.21	1.00	2.49
22	0	.22	1.01	2.50
23	0	.21	.99	2.48
24	0	.20	.99	2.52
25	0	.20	.98	2.51
26	0	.22	1.01	2.49
27	0	.21	1.01	2.49
28	0	.22	1.00	2.51
29	off			
30	off			
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month April Year 2023 Operator Niceforo Ayala

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1				
2				
3	0.00	0.19	0.99	2.47
4	0.00	0.19	0.99	2.47
5	0.00	0.19	0.99	2.47
6	0.00	0.19	0.99	2.48
7	0.00	0.20	0.99	2.47
8				
9				
10	0.00	0.19	0.99	2.48
11	0.00	0.19	0.99	2.47
12	0.00	0.19	0.99	2.47
13	0.00	0.19	0.99	2.47
14	0.00	0.19	0.98	2.47
15				
16				
17	0.00	0.19	0.98	2.47
18	0.00	0.19	0.99	2.47
19	0.00	0.19	0.99	2.47
20	0.00	0.19	0.99	2.47
21	0.00	0.19	0.98	2.47
22				
23				
24	0.00	0.19	0.99	2.47
25	0.00	0.19	0.99	2.47
26	0.00	0.19	0.98	2.47
27	0.00	0.19	0.99	2.47
28	0.00	0.20	1.00	2.47
29	0.00	0.19	0.99	2.47
30	0.00	0.19	0.99	2.47
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month April Year 2023 Operator Tyler

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0.00	0.19	0.98	2.47
2	0.00	0.19	0.98	2.48
3	0.00	0.19	0.98	2.48
4	0.00	0.19	0.98	2.48
5	0.00	0.19	0.98	2.48
6	0.00	0.19	0.98	2.48
7	0.00	0.19	0.98	2.48
8				
9				
10	0.00	0.19	0.98	2.48
11	0.00	0.19	0.98	2.48
12	0.00	0.19	0.98	2.48
13	0.00	0.19	0.98	2.48
14	0.00	0.19	0.98	2.48
15				
16				
17	0.00	0.19	0.98	2.48
18	0.00	0.19	0.98	2.48
19	0.00	0.19	0.98	2.48
20	0.00	0.19	0.98	2.48
21	0.00	0.19	0.98	2.47
22				
23				
24	0.00	0.19	0.98	2.48
25	0.00	0.19	0.98	2.48
26	0.00	0.19	0.98	2.48
27	0.00	0.19	0.98	2.48
28	0.00	0.19	0.98	2.48
29				
30				
31	0.00	0.19	0.98	2.48

LaMotte DC1500 Colorimeter
Calibration Log

Month April Year 2023 Operator Kevin

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1				
2				
3	0	0.19	0.98	2.47
4	0	0.19	1.00	2.48
5	0	0.20	0.97	2.48
6	0	0.19	0.98	2.48
7				
8				
9				
10	0	0.20	0.98	2.46
11	0	0.19	0.97	2.47
12	0	0.19	0.98	2.49
13	0	0.20	1.00	2.48
14				
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Vacation

LaMotte DC1500 Colorimeter
Calibration Log

Month April Year 2023 Operator Jordan Davis

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	0.21	1.01	2.44
2	0	0.19	1.00	2.43
3	0	0.20	1.01	2.44
4	0	0.20	1.03	2.43
5	0	0.21	1.02	2.45
6	0	0.19	1.01	2.44
7	0	0.21	1.03	2.44
8				
9				
10	0	0.20	1.03	2.44
11	0	0.21	1.03	2.44
12	0	0.21	1.01	2.42
13	0	0.20	1.01	2.43
14	0	0.19	1.02	2.43
15				
16				
17	0	0.19	1.03	2.44
18	0	0.20	1.01	2.42
19	0	0.20	1.02	2.42
20	0	0.20	1.03	2.43
21	0	0.20	1.02	2.42
22				
23				
24	0	0.19	1.01	2.42
25	0	0.21	1.03	2.44
26	0	0.20	1.02	2.43
27	0	0.21	1.03	2.42
28	0	0.21	1.02	2.43
29				
30				
31				

BLUE TOPAZ UTILITIES

Work Order No: 000000033476 **Category :** Repair and Maintenance

Information Assigned by Office

Name:	MELISSA MALMBERG	Phone:	409 - 454-8556
Location No.:	185CLAIRE	Issue Date & Time:	12/23/22 12:09 pm
Customer No.:	33853	Scheduled Date & Time:	12/23/22 8:07 am
Address:	185 CLAIRE ST	Requested By:	
	VIDOR, Texas 77662	Assigned To:	Utility Innovations
Route:	CLAIR	Assigned By:	Karla Langreder

Service Order Information

Comments :

From: Melissa Malmberg Phone: (409)454-8556 Address: 185 Claire Street VIDOR, TX 77662 Call Re: WATER LEAK Message: Caller states there is water coming from one of the pipes atthe top of the tower.
Jordan left VM for Marty; Karla text thru office text
Customers: K Tribes, S Fountain, V Douglas, A Toman also reporting issue with CLAIRE water plant

Task Information From the Field

Note:

Service Order Code : RNM Description : REPAIR AND MAINTENANCE

Meter No. : 8519141 Meter Reading : _____ Transmitter No _____

Meter Size : 5/8 METER Meter Location:

Service Order Completion Information

Work Completed By: _____ **Completion Date** : 12/23/2022

Completion Time : 13:39:00

Notes :

UI Invoice #1440 Clair-Called out, broken pipe at Water Well-Gathered parts and repaired Service Mechanic Truck and Tools 30.00 Helper 17.50
Service Mechanic Truck and Tools-Overtime 280.00 Helper - Overtime 180.00
Materials 85.31 total=592.814

WestPark:

*check on Mr Welch :) *

used dryer

- M. Malmberg CLAIR 185 Claire 33853 Vidor
  Water coming fr top of tower 409 454·856[illegible]

- A. Toman CLAIR. well @ Clair
  major leak @ well 409-225-0878
- ½. Douglas CLAIR pipe bust @ well
  409-651-2511
- S Fountain CLAIR leak @ well
- K Tribes CLAIR major leak @ well

③

* UI @ DAIRY 5424
# ~~16052~~ 33920 9022

UI - working on CLAIR & DAIRY

Karla Langreder

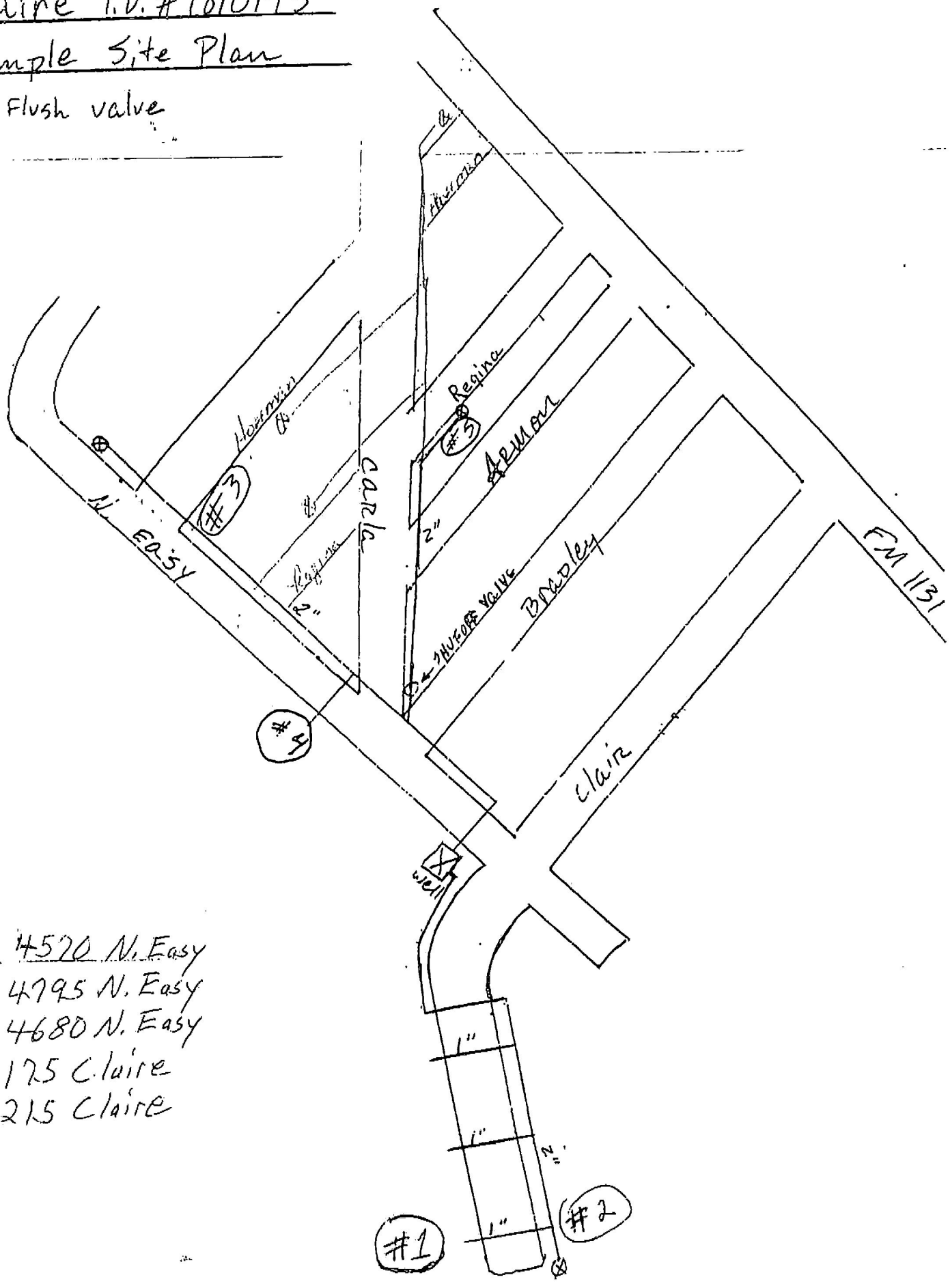
From: Toman, Amanda <atoman@vidorisd.org>
Sent: Friday, December 23, 2022 2:49 PM
To: Blue Topaz Customer Service - Info
Subject: [Ext] Water

Hi, I registered on your website but never heard anything back from y'all. I got a email saying y'all shud have got back to me in 24 hrs but I've heard nothing. My account number with y'all is # 33848. My name is Amanda Toman and I live at 200 Claire Vidor Tx, 77662. Y'all just bought out our community water well. Claire Subdivision echo forest. My number is 409-225-0878. Thanks!

Claire I.D. #1810143

Sample Site Plan

⊗ Flush valve



#1 4520 N. Easy
#2 4795 N. Easy
#3 4680 N. Easy
#4 125 Claire
#5 215 Claire

Claire
PWS #1810143

OPERATIONS & MAINTENANCE MANUAL

Intersection of Easy Street & Clair, Vidor, TX

#1 PLANT

*Revised 5-23-2023

TABLE OF CONTENTS

Introduction

A. RAW WATER SOURCES

This is a groundwater production plant only utilizes water from a well as its source. The process is generally standard as any groundwater facility, with a few variations of equipment sizes and control settings. A well log is included.

B. TREATMENT PLANT DESCRIPTION AND DESIGN

This plant has one treatment LIQUID CHLORINE is added with a chemical feed pump. A free residual should be maintained between 1 & 1.5 mg/l at the plant this will allow for residuals at the end of lines to be above state requirements. Settings for chemical feed pump is included in section II.

The design of the plant is a standard groundwater facility, which includes a well pumping into the distribution system and a pressure tank, all of which is controlled by electronic automatic controls.

C. PLANT DESIGN CRITERIA & CAPACITIES

The well pump is turned on and off by a pressure switch on the pressure tank.

System Capacities

WELL

- Well 1 or G1810143A – 45 gpm
- 5 hp submersible

PRESSURE TANKS

- Two 900-gallon galvanized tank
- One 525-gallon galvanized tank

CHEMICAL FEED PUMPS

- Phosphate: 35-gallon drum with a LMI pump
- Chlorine (Sodium Hypochlorite Solution) 55-gallon drum with a Stenner pump

AIR COMPRESSOR

- Automatic controls mounted on Pressure Tank

SYSTEM RECORDS

All records (daily log forms, monthly operator reports, sample results, drawings, & etc.) are kept at the offices of *T&W Water Service at 12284 FM 3083, Conroe, Texas 77301.*

The system pressure, chlorine container level, well meter readings, distribution chlorine residual level, distribution flushing, and any leak or repair locations are all recorded in the daily log. **An example daily log is located in the appendix.**

GENERAL SAFETY MEASURES

Chlorine and calcium hypochlorite are very corrosive. Do not handle with bare hands. If spilled on shin or clothing, flush area with water immediately.

DO NOT DIRECTLY INHALE chlorine or calcium hypochlorite.

Store chemicals out of direct natural light.

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. Write down the specific complaint.

3. Follow up on the complaint as soon as possible and attempt to resolve or advise supervisor for reassignment of the complaint.

4. Advise the customer of the results or the reassignment of the complaint and who to contact for further assistance.

UTILITY OPERATIONS
MAJOR COMPONENTS & PROCESSES

WELL
A pressure switch controls the well. It comes on automatically when the pressure in the pressure tank drops below the set level and goes off when the pressure reaches the set amount. The well can also be turned on manually at the control panel.

PRESSURE TANK
The pressure tank has a pressure relief valve, a pressure gauge, a sight glass for air-to-water ratio determination, and drain valves.

AIR COMPRESSOR
The air compressor is mounted on the Pressure Tank and is used when needed by an automatic switch to keep the air / water levels at an efficient level in the pressure tank.

ELECTRICAL & CONTROLS
This plant has a central breaker box, motor starters, phase protection, pressure tank electrodes, auxiliary relay, pressure switch, and motors. The central breaker box contains a main breaker, which turns off all the power inside the plant, and several smaller breakers to turn off individual pumps, air compressors, lights and other electrical outlets. The motor starters are to each individual pump motor and contain motor protection in each. The starters are specially sized to each motor and include heaters of motor overload protection

CHEMICAL FEED PUMP (Hyperchlorinators)
There is one (1) chemical feed pumps. It is for liquid chlorine. This pump is connected to the well motor starter, therefore when the well is running so is the chlorinator. Once, the pressure level in the pressure tank reaches the set level the controller will stop the well motor and chemical feed. The only way the chemical feeders can be turned on manually is to turn the well on manual. This is done to prevent the chemical feed pump from injecting chemical into the system if the well is not running. (See Normal Operating Procedures for pump settings)

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 on to OFF position.
2) Check main power source from electric company. It should be 240 volts single phase. Test

each leg of electric to ground ~ each leg will be 120 volts.

3) Check all breakers to be properly reset to On position.
4) Check and reset all motor starter resets.
5) Turn the Well Switch to Auto position ~ well & chemical feed pumps should start.
6) When the Well Pump reached the top pressure in the pressure tank, it will shut off. At this time all switches should be in the Auto position on the Control Panel and the plant be back to complete automatic operation.

7) All flush valves need to opened 1 or 2 at a time and run until all air is removed from distribution system and a total chlorine residual of at least .5 mg/l is obtained at each.
8) Instructions of TCEQ on Boiled Water Notification Requirements should then be followed out. (See Section on Boiled Water Notification Requirements)

NORMAL OPERATING PROCEDURES

Upon arriving at the water plant the following items must be performed in conjunction with the TCEQ's rules & Regulations for Public Water System, Chapter 290.46

Daily Requirements

1) A visual check of premises for trash or litter and removal of any
2) A visual check of pumps, tanks and other equipment or piping for leaks or problems.
3) a visual check of system pressure
4) Measure and record to daily log levels of chlorine containers notice that some amount has been used since last entry.
   Visually check chemical feed pumps to be primed.
   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 pump accordingly.

5) Read and record to daily log well meter misreading and system usage since
6) 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 chlorine residual checks from distribution system to daily log sheet.
9) Record any distribution flushing to proper date and locations under comments on daily log sheet.
10) Record any leak/repair locations with estimated losses during the leak to the daily log sheet.

Weekly

1) Mow, clean outside of plant building, clean fence or any undergrowth, and general cleanup of facilities

Monthly

2) Collect one (1) microbiological samples from Sample Site Plan for analysis and deliver to offices of Nova Biologicals with Lab forms completed. 1a) Be sure sample is OK if not do retakes according to TCEQ Rules
3) Flush any areas that have not been flushed in distribution and record on daily log sheet date, location and approximate usage
4) Mow, clean outside of plant building, clean fence or any undergrowth, and general cleanup of facilities
5) Prepare Monthly Operating Report from daily log sheet information

Annually

1) Do Required tank inspections and complete Annual Tank Inspection forms per TCEQ Rule and Regulations (See attached tank maintenance program)
2) Check wellhead and well sealing block and caulk and cracks
3) Check and replace and screened opens ~ well vent, tank vents, etc.
4) Check heater for safe operation

BACTERIOLOGICAL SAMPLING

1. Take samples at the beginning of the months to give ample time for re-sampling if needed.
2. Avoid sampling on rainy or windy days.
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 not 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, insects nests, etc.).
6. Test for chlorine. If chlorine levels are 0.2 free, flush the service line by fully opening the faucet and allowing the 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 the chlorine a chance to disinfect the line. Then retake the chlorine test, if it is at least 0.2 free or 0.5 total, then go to step 7. If a good chlorine reading is not obtained after flushing, NO NOTE TAKE THE BACTI SAMPLE AT THIS LOCATION. Proceed to line flushing procedures on **Page 17**, and properly flush the area and start

over at step 5.

7. Close the faucet and fame with a propane torch or alcohol burner.
8. Opening the faucet to a 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.
9. Fill out the form that comes with the container and send the sample and form to ***North Water District Laboratory Services, 130 S Trade Center Pkwy, Conroe TX; 936-321-6060***.
10. DO NOT DELAY SUBMITTING THE SAMPLE. IT SHOULD ARRIVE AT THE LAB WITHIN 30 HOURS OF THE TIME IT WAS COLLECTED. DO NOT STORE THE SAMPLE IN YOUR TRUCK. IT SHOULD BE REFRIGERATED UNTIL DELIVERED TO THE LAB.
11. If the sample is positive, resample according to the **procedures in the Appendix**.

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

EMERGENCY RESPONSE INFORMATION

1. Contact manager during any low pressure event or water outage.
General Manager, Deanna Degeyter, cell phone 281-455-5676 24 HR

2. Well or well pump problems:
Contact Shannon Marsh – 281-639-7823

3. Problem involving water outage more than two hours:
Contact office to notify manager, other operators and start process of notifying affected customers. Review attached flowchart to determine if boil water notice is necessary.

4. Outages lasting more than 8 hours require the contacting of TCEQ (when a boil water notice is necessary) and board members.
TCEQ Region 10, 409-898-3838

5. SETX Operators telephone numbers:
Utility Innovations 409-673-7091 After hours 409-755-7377

Emergency Protocol for Natural and Manmade Disaster's

General Preparation

- Work schedule should be adjusted so that key staff members are onsite or can be reached to keep all services operational if the facility remains online or to shutdown and startup facilities if and when necessary.
- Establish and schedule emergency operations and clean up crews.
- Review your emergency response plan and make sure it and contacts are current.
- Notify the **TCEQ Public Drinking Water Program at pwschem@tceq.texas.gov or by phone at (512) 239-4691** if the system's sampling schedule needs to be adjusted.
- Notify and set up clear lines of communication with local police and fire department, in case of an injury or other emergencies. Request that local law enforcement check on any water staff that remain on-site at the water plants. If communication channels are down with these sites, this check needs to continue on a routine basis until communication channels are reestablished.
- If an emergency operating center or command post for the utility is established, notify state and federal agencies of locations and telephone numbers.
- Establish contacts to request emergency water supply, if necessary.
- Make arrangements with the local power utility to be prepared to disconnect power to the plant if the plant is evacuated or if power lines are downed and then to restore power as a priority customer.
- Make arrangements to purchase materials and supplies and to borrow/lease heavy equipment needed to make repairs to the plant.
- Make arrangements to have materials and chemicals delivered to the plant as soon as it is safe and units are repaired and ready for operation.
- Notify media on where to access information and press advisories:
    - Have a "Boil Water Notice" prepared, including multilingual.
    - Have "Emergency Disinfection of Drinking Water" guidelines prepared. (see EPA link)
    - Have a "Shelter-in-Place" guidelines ready in case of release of hazardous materials. This is information to be provided to the public that may need to remain indoors.
- Establish in advance a centralized base of operations with first aid supplies, batteries, flashlights, and cellular phones or other wireless communication devices. Check all normal and emergency communication equipment and charge or replace batteries.
- Stock an adequate supply of non-perishable food and water for any essential personnel that are required to remain on site.
- Establish alternative transportation strategies for rotating in core employees to the facility if high water prevents travel. Personnel should bring a jump bag with them, which should contain change of clothes, flashlights, extra batteries, medications, and other essentials.
- Make sure all essential personnel are trained to shutdown and startup the system in case of emergency.
- Notify TCEQ regional offices if a plant is taken off-line. An updated map and contact telephone numbers may be found at the website listed below. The utility should access this site and provide copies at all system facilities with the emergency response plan. **TCEQ Regional Contact Info and Regional Map**.
- Review distribution maps to ensure they are up to date with isolation valves properly identified. Extra copies may be necessary for staff working in the field.

Grounds and Common Areas

- Inspect plant perimeter for security concerns. Test backup lights. For all water systems, check backup pumps and controls.
- In addition to regular preventative maintenance, all systems (surface, ground and purchased) should check backup chemical feeders and all pumps and motors. Verify that spare pumps, motors and other necessary spare parts are available. Check manual controls and oil levels.
- Fuel and service vehicles. Stock service vehicles with equipment and supplies, and move service vehicles to high ground.
- Have sufficient supplies of sandbags available and sandbag the entrances, the area around critical equipment, and other critical areas.
- Ensure that emergency electrical generators are not located in flood-prone areas of the facility. Obtain extra fuel for generators, if needed.
- Board up critical windows and doors to prevent wind damage.
- Shutdown exposed pipes at waterway crossings to prevent loss or contamination of potable water if the pipes break.

Administration and Laboratory Buildings

- Secure important records in a well-protected location, including plant operations manual.
- Remove all sensitive laboratory equipment from the flood zone, where possible. Remove portable electrical equipment and small motors from the flood zone.
- Protect computers from potential leaks.
- Check bacteriological sampling materials- be prepared for increased or special monitoring.
- Remove or store furnishings in a safe place, when practical.
- Disconnect electrical power to the building if it is evacuated.

Treatment Plant and Pumping Stations

- Run diagnostic tests on SCADA and control systems.
- All pump stations should be located in a well-drained area and be designed to remain in operation during flood events. If not, the pumps should be shut down and protected from electrical damage if they should become submerged. After any major storm event, check raw water intakes to minimize any debris or other materials which could enter. Any wells that were submerged must be disinfected prior to returning to service.
- Double check that all piping in surface water treatment plants is labeled according to color code as indicated in 30 TAC 290.42 (d)(13)(A).
- Check that all chemical bulk storage facility and day tanks are properly labeled.
- Be sure all dry chemicals are stored off the floor in a dry room that is protected against flooding or wetting from floors, walls, and ceilings.
- Check chemical inventory. A storm event could cause greater disinfectant demand, increased disinfection of broken waterlines and an increase in turbidity, so more disinfectant and coagulant chemicals may be required. Verify that the current supply of calcium hypochlorite is adequate for this potential increased use.
- Fill empty storage tanks in flood prone areas with water to prevent floating or falling from wind forces.
- Remove or move chemicals to a safe area. If chemicals are removed from an underground or above ground tank, fill the tank with water to prevent floating.

- Remove fuel from underground storage tanks to prevent contamination and loss of the fuel. If possible move above ground fuel storage tanks to a safe, high area. Fuel will be needed for emergency and plant vehicles until new supplies arrive.
- Remove electrical motors, where possible. If not, wrap the motors in plastic and seal as tight as possible, in order to protect the motor from silt, mud, and dirt. Any electrical motors that were submerged, should be cleaned and dried prior to start up to prevent damage.
- Remove shop tools and electrical hand tools to the emergency operations center or command post.
- Monitor tank levels. Fill elevated and ground storage tanks to full capacity. Storage tanks should be valved off from the distribution system to prevent loss of water during the storm. Note: If this is done, the system must issue a Boil Water Notice because this can result in pressures dropping below 20 psi.
- Contact the TCEQ Surface Water Treatment Rule Group at **SWTR@tceq.texas.gov** if you have questions about the impacts to compliance and the **TOP@tceq.texas.gov** group for technical assistance.
- Download data from SCADA and controller(s) in case power outages or electrical damage result in data loss.

Emergency Contact Information

• Police and Fire	911
• Hardin County Sheriff	409-246-5100
• TCEQ Region 10	409-898-3838
• TCEQ Office of Water	512-239-6696
• EPA Region 6	800-887-6063
• General Manager: Deanna Degeyter	281-455-5676
• Office Manager: Karla Langreder	409-770-4296
• T&W Office	936-756-7400
• Operators Supervisor: Kevin Maloney	832-515-8952
• Operator: Charlie Adams	409-782-4588 or 409-673-7091

BOIL WATER NOTIFICATION REQUIREMENTS

See enclosed from TCEQ Rule and Regulations on when to issue a notice and the format of the notice.

BOIL WATER NOTIFICATION REQUIREMENTS

See enclosed from TCEQ Rule and Regulations on when to issue a notice and the format of the notice. Note: Updates to the mandatory language can be found at Public Notice Language for Drinking Water Compliance - Texas Commission on Environmental Quality - www.tceq.texas.gov

Boil Water Notice for Community Public Water Systems

<Date>

Due to <See Instruction 1>, the Texas Commission on Environmental Quality has required the <See Instruction 2> public water system to notify all customers to boil their water prior to consumption (e.g., washing hands/face, brushing teeth, drinking, etc). Children, seniors, and persons with weakened immune systems are particularly vulnerable to harmful bacteria, and all customers should follow these directions).

To ensure destruction of all harmful bacteria and other microbes, water for drinking, cooking, and ice making should be boiled and cooled prior to use for drinking water or human consumption purposes. The water should be brought to a vigorous rolling boil and then boiled for two minutes. In lieu of boiling, individuals may purchase bottled water or obtain water from some other suitable source for drinking water or human consumption purposes.

When it is no longer necessary to boil the water, the public water system officials will notify customers that the water is safe for drinking water or human consumption purposes.

Once the boil water notice is no longer in effect, the public water system will issue a notice to customers that rescinds the boil water notice in a manner similar to this notice.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

If you have questions concerning this matter, you may contact <See Instruction 3> at <See Instruction 4>. <See Instruction 5> Instructions: Delete instructions below on copy given to customers. This is the mandatory language for your "Boil Water Notice".

Instructions:

Please replace all of the above referenced <See Instruction> numbers with the information as follows:

<1> A description of the conditions that require a "Boil Water Notice" to be issued for the public water system that may include but are not limited to: reduced distribution system pressure, line break, low disinfection residuals, etc.

<2> Public Water System Name / Public Water System Identification Number

<3> Name of public water system official and any other primary contact names. (Do not list TCEQ as the primary contact.)

<4> Public water system official(s) phone number, business address, and any other useful contact numbers. Where appropriate, provide a telephone number or address where consumers may obtain a translated copy of the no tice or assistance in the appropriate language.

<5> Public water systems may add optional language here concerning the actions they have taken to address the boil water notice situation. The public water system customers and the executive director shall be able to reach the public water system at one of the numbers listed in th is notice. If a customer, individual, or employee wishes to contact the executive director, please call (512) 239-4691.

MAINTENANCE PROCEDURES

Upon arriving at the water plant, the following items must be performed in conjunction with the TCEQ's rules & Regulations for Public Water System, Chapter 290.46

Daily Requirements

- A visual check of premises for trash or litter and removal of any
- A visual check of pumps, tanks and other equipment or piping for leaks or problems.
- a visual check of system pressure
- Record system pressure to daily log
- Measure and record to daily log levels in phosphate and chlorine containers notice that some amount has been used since last entry.
    - Visually check chemical feed pumps to be primed.
    - 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 pump accordingly.

- Read and record to daily log well meter misreading and system usage since last entry
- Verify that usage is in normal range of daily usage and system does not appear to have a leak in distribution.
- Record daily chlorine residual checks from distribution system to daily log sheet.
- Record any distribution flushing to proper date and locations under comments on daily log sheet.
- Record any leak/repair locations with estimated losses during the leak to the daily log sheet.

Weekly

- Mow, clean outside of plant building, clean fence or any undergrowth, and general cleanup of facilities.

Monthly

- Collect one (1) microbiological samples from Sample Site Plan for analysis and deliver to offices of North Water District Lab Services with Lab forms completed. 1a) Be sure sample is OK if not do retakes according to TCEQ Rules
- Flush any areas that have not been flushed in distribution and record on daily log sheet date, location and approximate usage.
- Mow, clean outside of plant building, clean fence or any undergrowth, and general cleanup of facilities
- Prepare Monthly Operating Report from daily log sheet information.

Annually

- Do Required tank inspections and complete Annual Tank Inspection forms per TCEQ Rule and Regulations (See attached tank maintenance program)
- Check wellhead and well sealing block and caulk and cracks
- Check and replace and screened opens ~ well vent, tank vents, etc.
- Check heater for safe operation

FLUSHING PROCEDURES

1. Dead end mains will be flushed the last week of each month.
2. All other mains are looped and are flushed as needed.

T and W Water Service dba Blue Topaz Utilities Daily Log

System:

Month/Year:

Date		Time		Well #1	#1 Total	Well #2	#2 Total	#1 GPM	#2 GPM	BP #1		BP #2	BP #3	BP #4	PSI	HPT Air	GST lvl	CL2	OP	CL2 & PO4
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30																				
31																				
Total																				

NOTES:_____

POTABLE WATER TANK INSPECTION PROGRAM

Claire

Ground storage, elevated, stand pipe, clear wells and pressure tanks are required by TCEQ, 30 TAC 290,46 (p) to be inspected at least once a year by water system personnel or a contracted inspection service. TCEQ Rules require water systems to keep records of the inspection for at least five years. The form on page 4 may be used to document annual inspections.

This will ensure the tank is in good working order and will keep the system officials aware of the condition of the tank and any maintenance or repairs that need to be budgeted for on any unit.

Although TCEQ Rules require annual inspections, monthly tank inspection and maintenance is recommended to ensure continued tank integrity and to preserve water quality. The form on page 3 may be used as a monthly checklist for tank maintenance.

There are two type of inspections, ***physical inspection and mechanical inspection.*** *All documentation of the inspection should be kept on file.*

Physical inspection of Ground Water Storage Tanks

The water system operator(s) can do the physical inspection. The visual inspection should occur on a monthly and yearly basis. The operator is inspecting to determine the condition of the tank and to ensure its longevity.

Monthly inspecting of the rooftop:

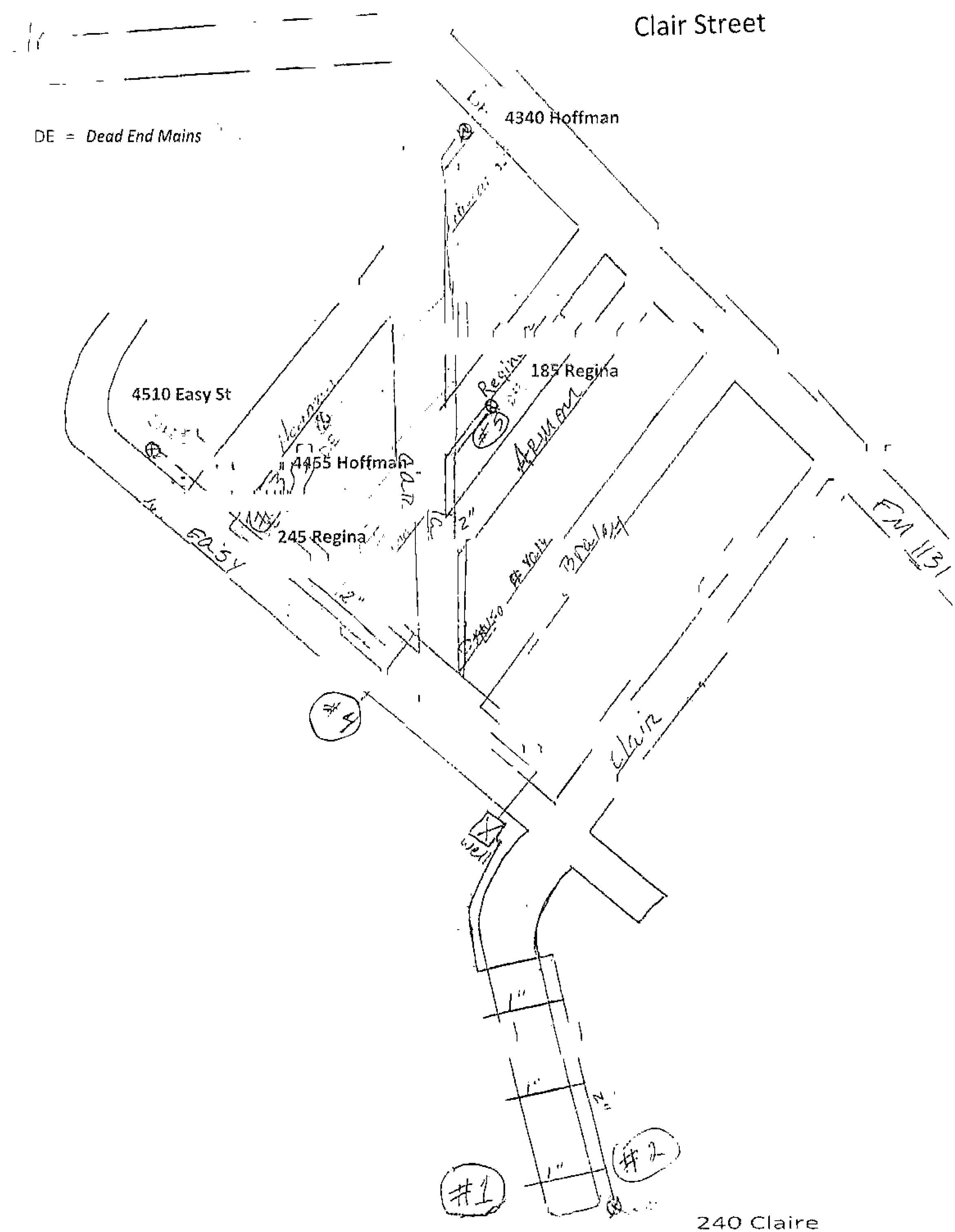
1. The operator should inspect the vents and ventilators to make sure they are working properly and are screened to ensure no entry of insects or birds or other varmints.
2. The operator should check the access hatch to ensure that it is locked and all is intact.
3. The operator should look inside the tank to see if there is floating debris or oil, this is a good indicator of the condition of the water, physically.
4. Check to see if there are low spots on the roof, which would allow ponding. This visual inspection is a good indicator of the tank roof structure

Yearly Inspection of the roof top:

1. The operator should check the roof-welded seams for cracks and corrosion. Bolted structured tanks should be checked for loose bolts or loose guardrails. Check the tank paint coating and look for unprotected areas and rust pits.

UPDATED 5-26-23

Clair Street



Claire Street CCI responses due by June 2, 2023

1. Annual Tank Inspection Forms for the past three years:

None found from previous owner.

2. Distribution system map showing flush valves and mains with sizes of pipes and locations of valves.

Attached

3. Customer complaints for the past three years.

Attached

4. Customer service inspection forms for the past three years.

None on file

5. Backflow Test and Maintenance Forms for the past three years.

None on file

6. Well Meter Calibration Records.

Latest Completion dated 2-22-23, Attached.

7. Chlorine Meter Calibration Records from the past 12 months.

Attached

8. Copy of Public Notices (including Boil Water Notices) from the past three years.

Attached. We searched through several boxes from the previous owner and finally found BWN from 2017, 2020, and 2021.

9. Average and Maximum Daily water usage from the past 12 months.

Average daily water usage= 3500 gallons Max daily water usage= 4,000 gallons

10. How many dead-end flush valves over 2" in diameter are in the distribution system? Please provide the location/address of each dead-end flush valve.

1) 185 Regina	2) 245 Regina	3) 240 Claire
4) 4455 Hoffman	5) 4340 Hoffman	6) 4510 Easy St

11. Has the water system submitted an Emergency Preparedness Plan? If so, has it been approved?

Per TCEQ, Yes submitted by previous owner but not approved. I requested a copy but have not received as of 6-1-23. *Copy of email response attached.*

30 TAC 290.46(m) Failure by Claire Street Water System to maintain all system's facilities and equipment in good working condition. During the investigation, it was noted that the gauge on the middle 900-gallon pressure tank was not reading correctly. Repair the gauge on the middle 900-gallon pressure tank and submit documentation to the Beaumont Regional Office.
Repaired and photos evidence attached.

2 AV 30 TAC 290.42(l) Failure by Claire Street Water System to have an adequate Plant Operations and Maintenance Manual. During the investigation, was noted that the Plant Operations and Maintenance Manual was incomplete and did not include emergency protocols for man-made and natural disasters. Update the Plant Operations and Maintenance Manual to include emergency protocols for man-made and natural disasters. Submit a copy to the Beaumont Regional Office.
Updated and attached.

3 AI -- During the investigation, it was noted that the flow switch for the well meter was rusty. It is recommended that the water system repair or replace the flow switch.
Repaired and photos evidence attached.

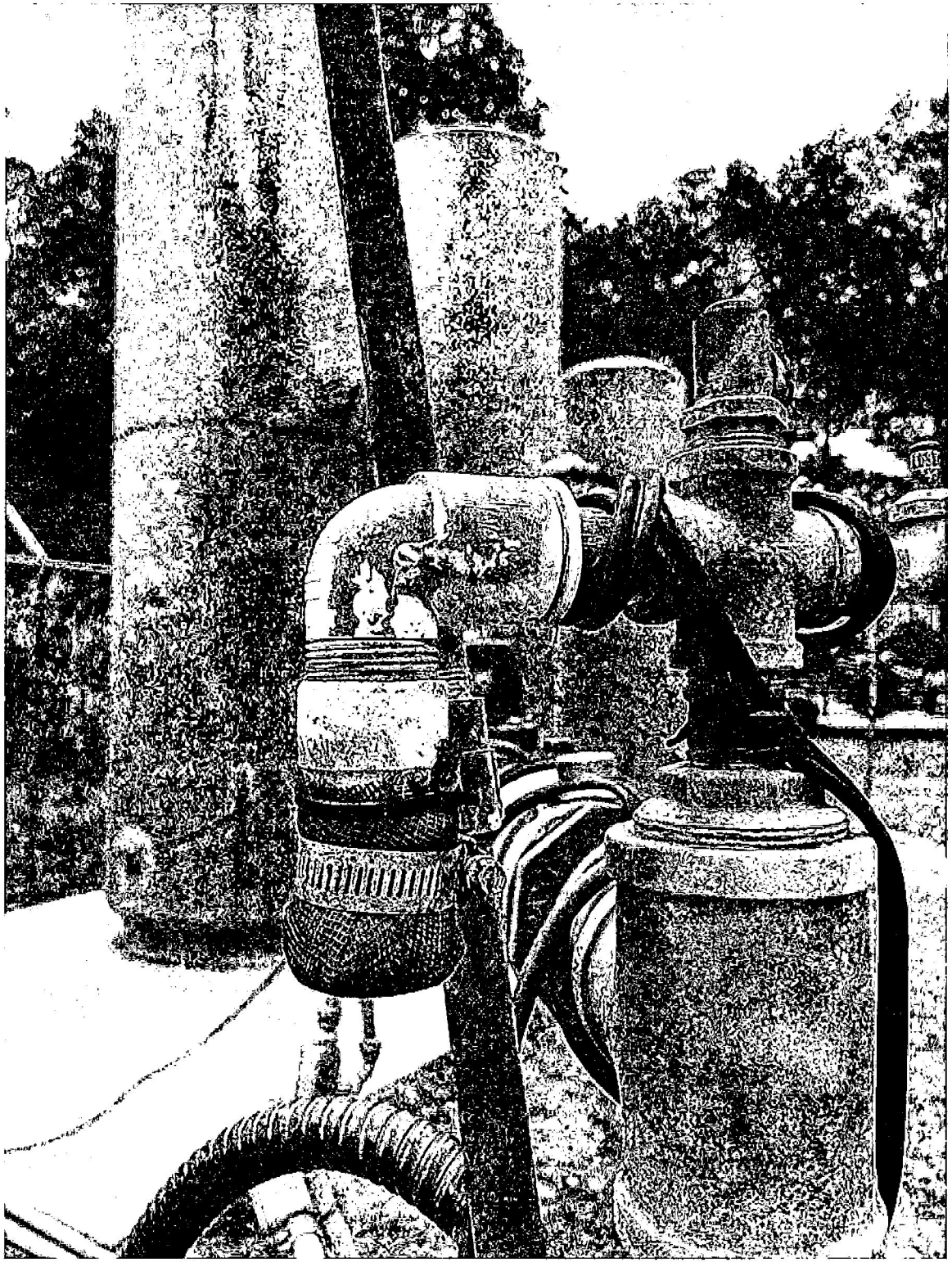
4 AI -- During the investigation, it was noted that the 16-mesh screen on the well vent was moldy. It is recommended that the water system replace 16-mesh on the well vent.
Repaired and photos evidence attached.

5 AI -- During the investigation, it was noted that the Plant Operations and Maintenance Manual was not updated to include the current language for Boil Water Notices (BWNs)
Updated and attached.

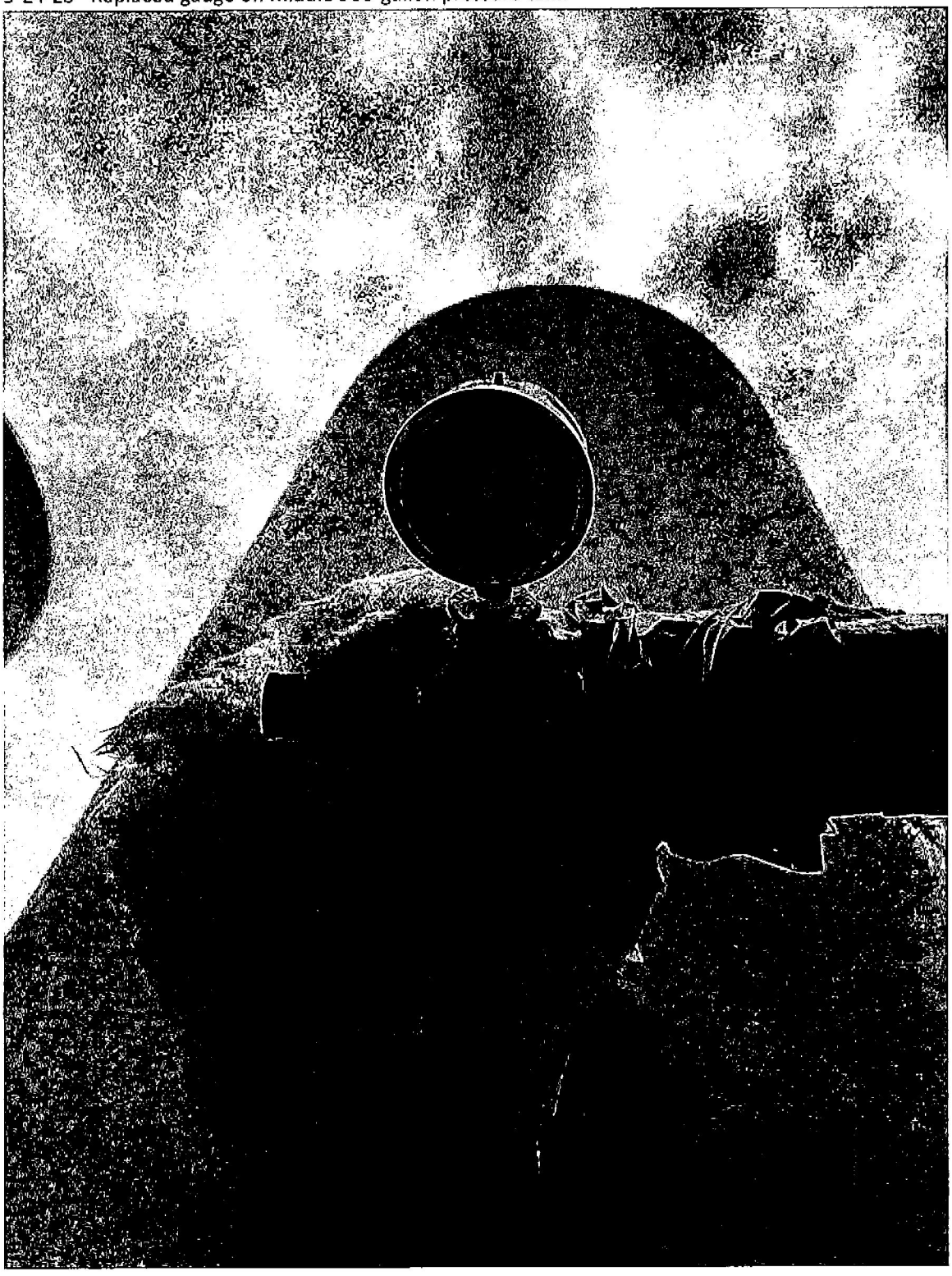
Claire Street - PWS TX1810143

5-19-23 CCI requested documentation

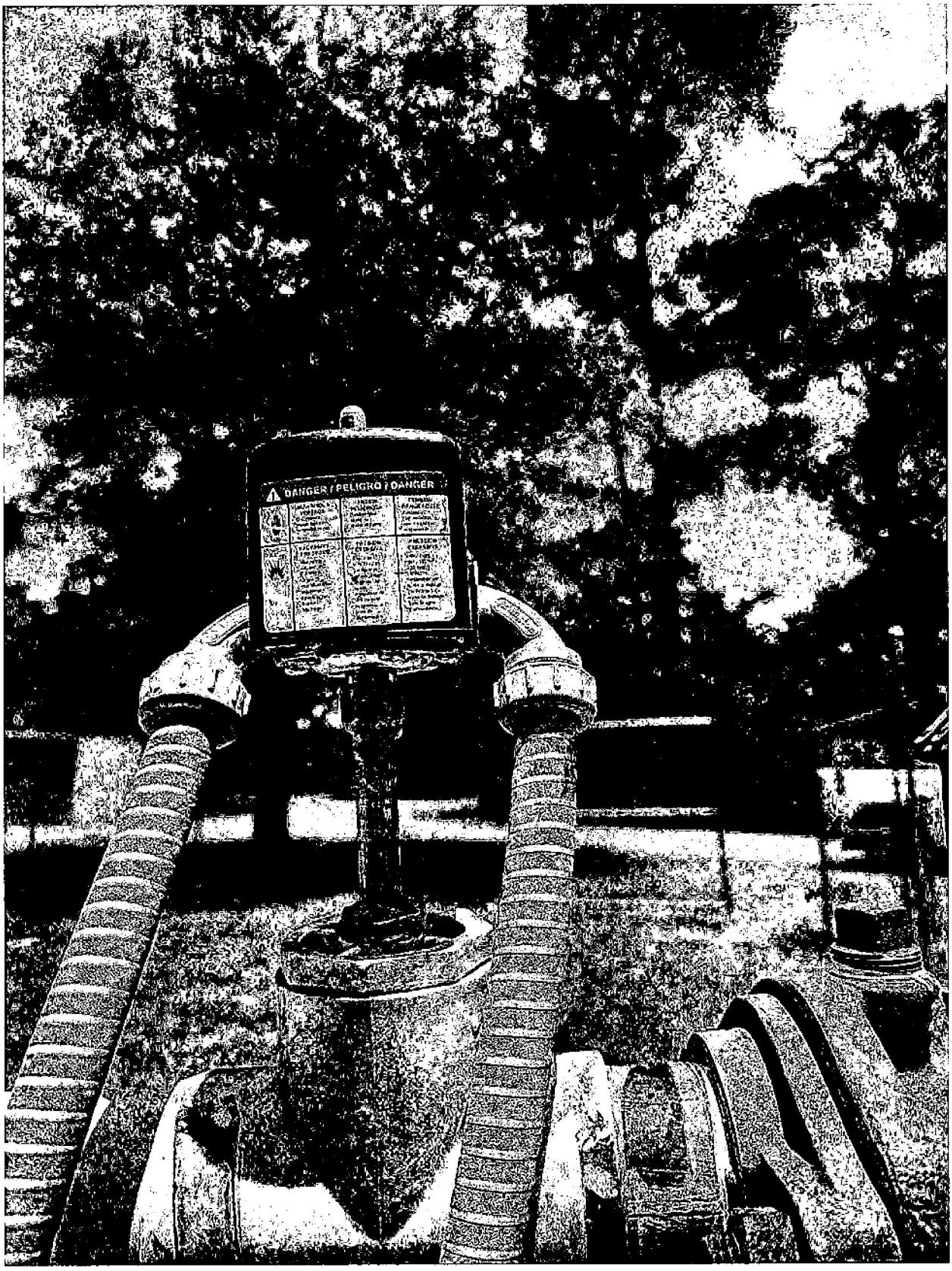
A. 5-24-23 screen replacement

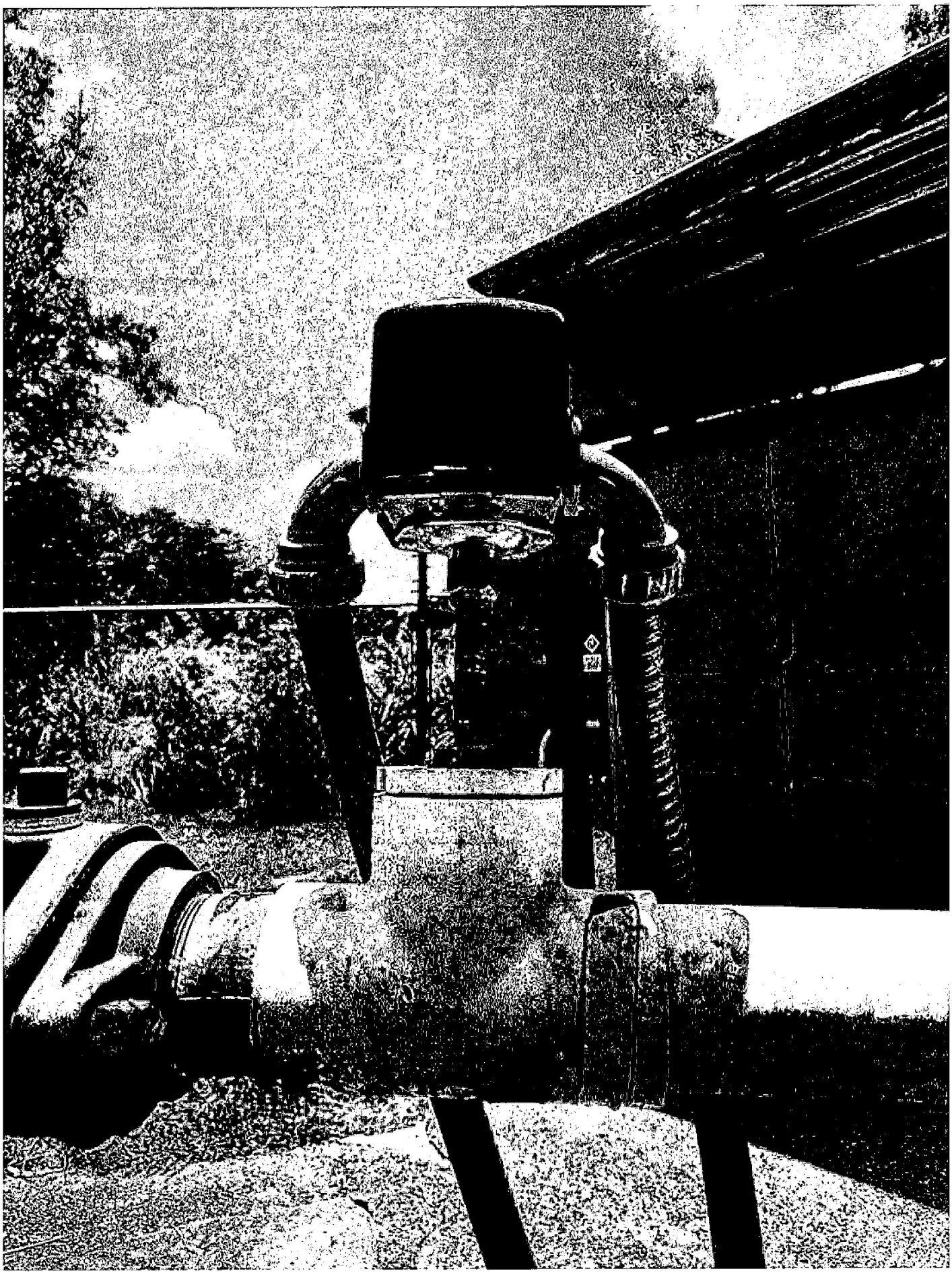


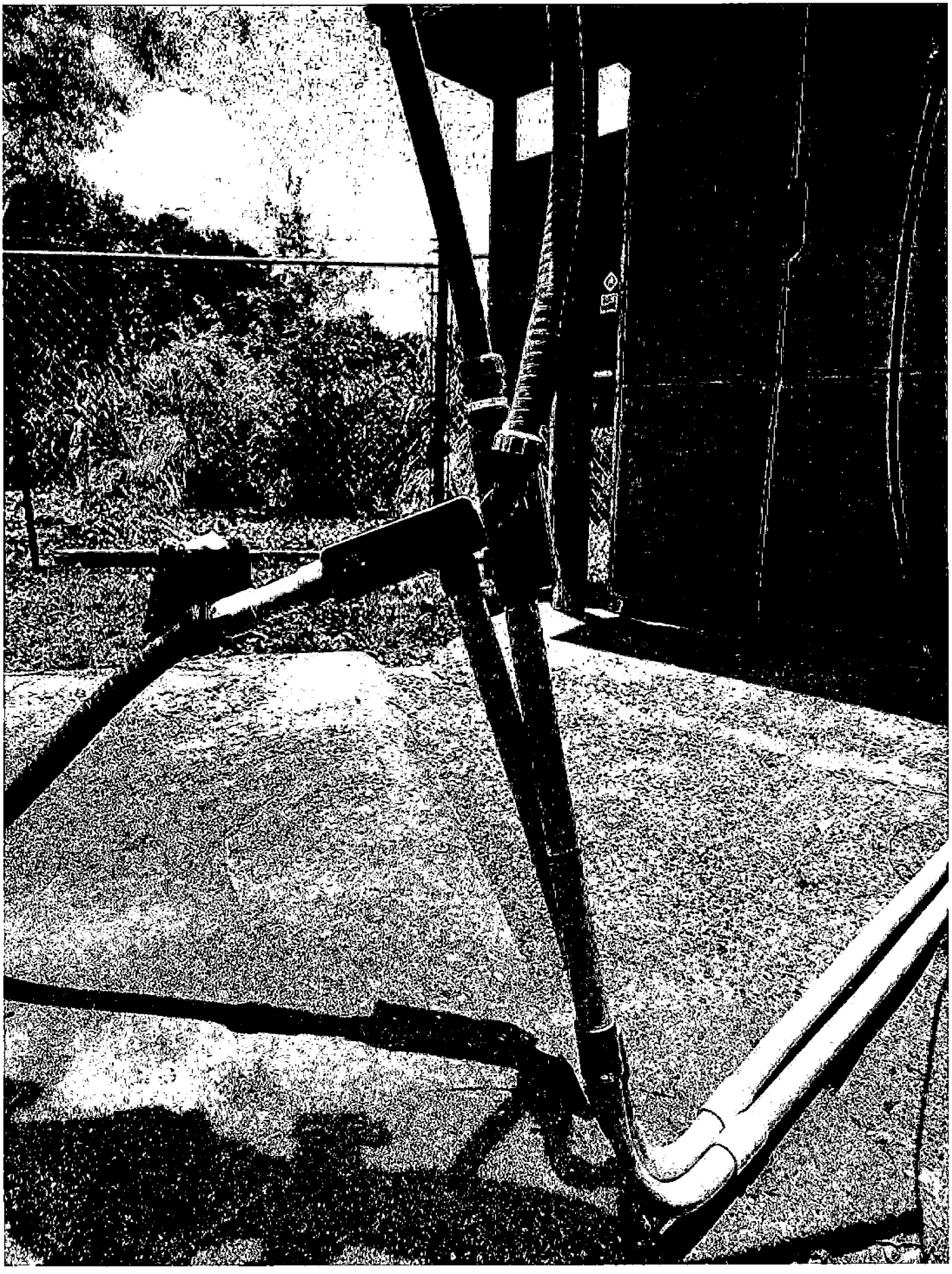
B. 5-24-23 Replaced gauge on middle 900-gallon pressure tank

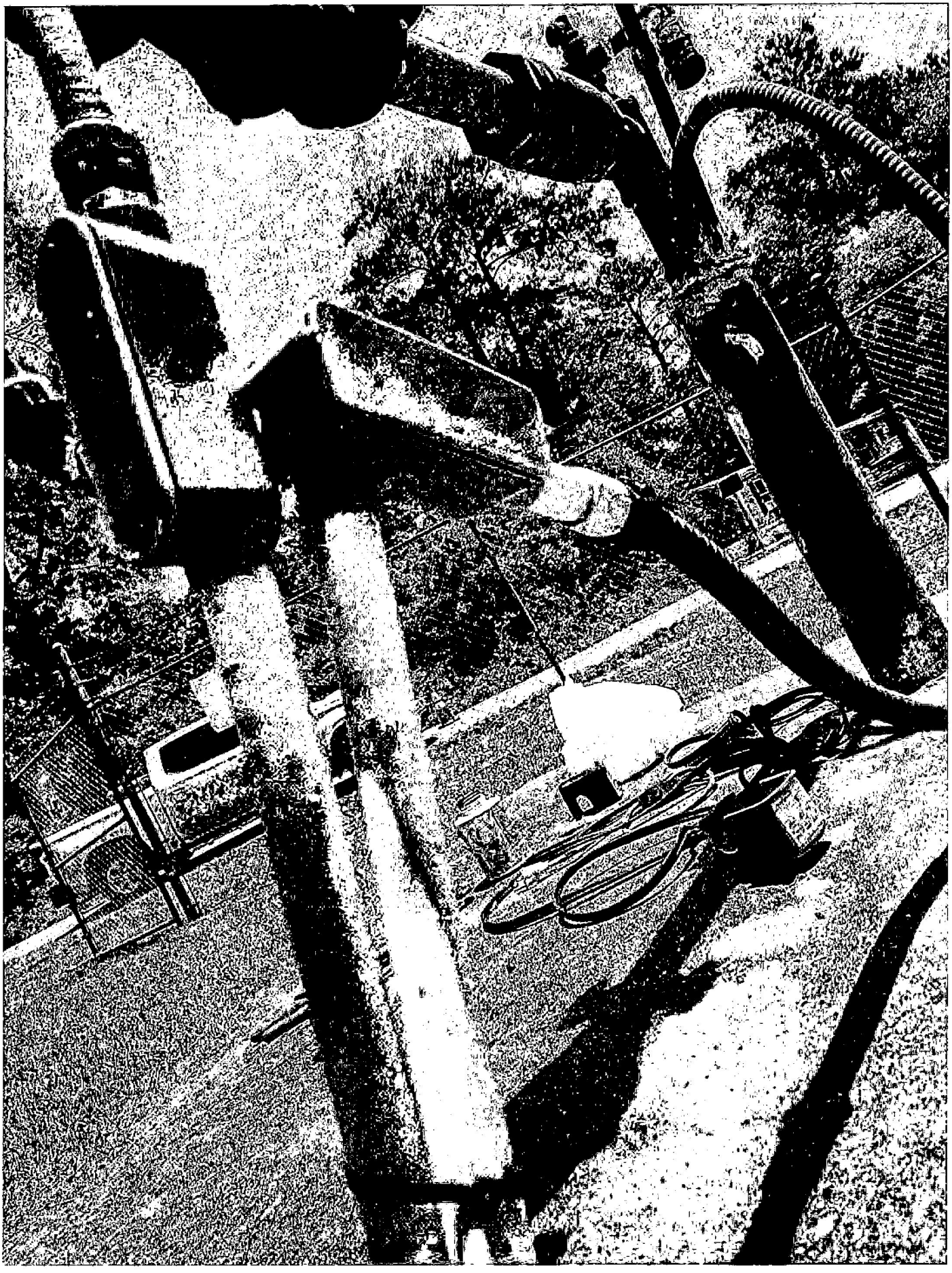


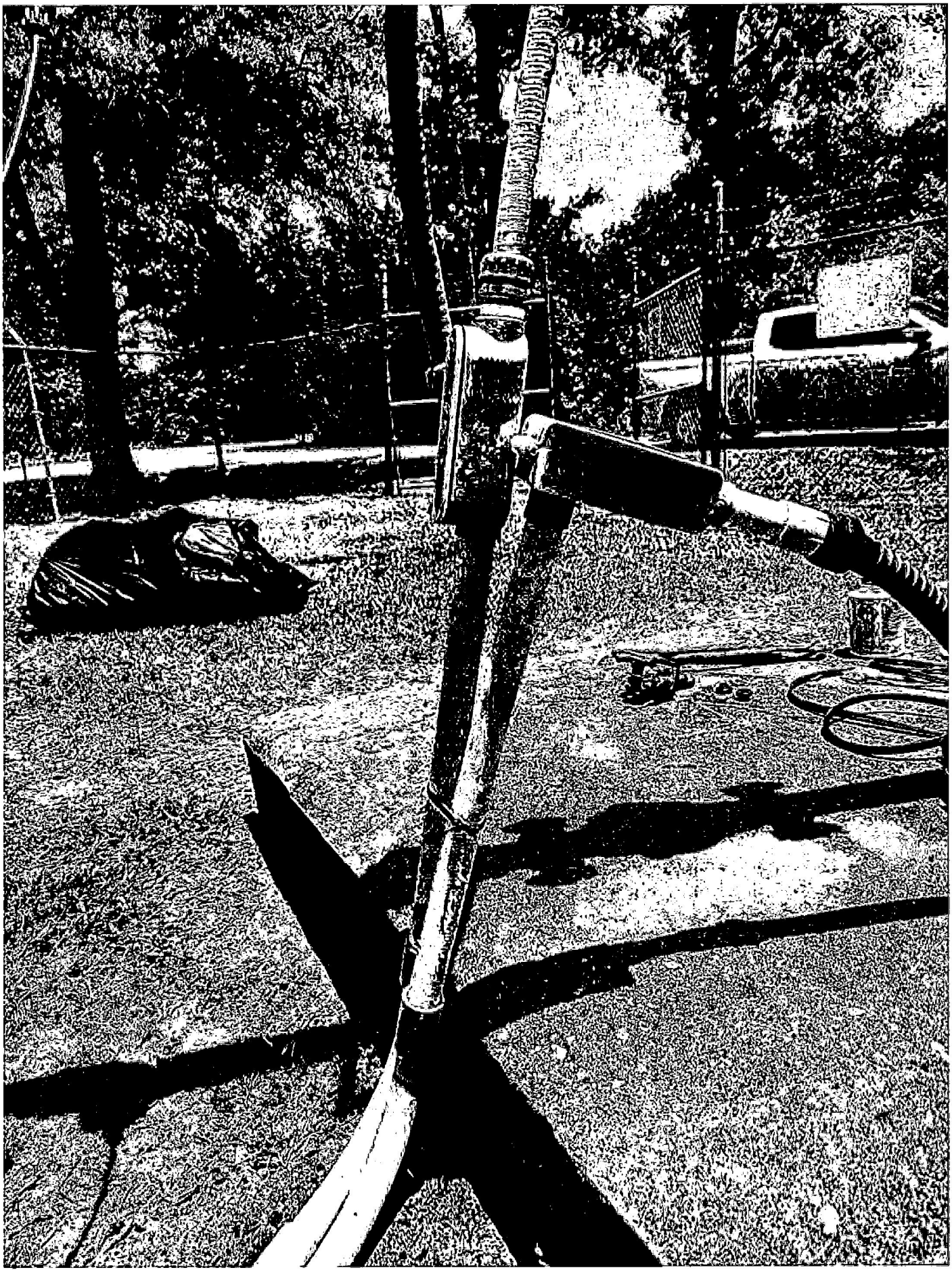
Claire Street repairs 5-30-2023











Southern Flowmeter, Inc.

Fast-Reliable-Accurate
11152 Westheimer Rd #890, Houston, TX
77042
Office (281) 997-5544
Fax (281) 946-5045

Affidavit of Meter Calibration Test

Permitee	Claire
Address	Clair St. and N Easy St., Vidor
Brand	Master Meter
Size/Model	2 Mmt2
Serial	8404642
Service Type	Well Meter
Method	Transit Time

Test Data

Test Date	Wednesday, February 22, 2023
Test Supervisor	Anderson, William
Meter Reading Start	9802500
Meter Reading End	9803300

Flow Data

Rate (GPM)	78
Known Standard (Gallons)	790
Metered (Gallons)	800
Percent Accuracy	101.3%

Notes

LaMotte DC1500 Colorimeter
Calibration Log

Month Dec Year 2022 Operator Harry

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	.21	1.00	2.49
2	0	.21	1.00	2.50
3	0	.20	1.01	2.48
4	0	.22	.99	2.50
5	0	.21	1.00	2.50
6	0	.20	1.01	2.50
7	0	.21	1.00	2.49
8	0	.21	.98	2.51
9	0	.20	1.00	2.50
10	off			
11	off			
12	0	.20	1.00	2.49
13	0	.21	1.02	2.50
14	0	.20	1.00	2.48
15	0	.22	1.01	2.49
16	0	.20	.99	2.51
17	off			
18	off			
19	off			
20	off			
21	off			
22	off			
23	off			
24	off			
25	off			
26	off			
27	0	.22	.99	2.49
28	0	.21	.98	2.49
29	0	.20	.99	2.50
30	off			
31	off			

LaMotte DC1500 Colorimeter
Calibration Log

Month December Year 2022 Operator Irwin

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	0.20	1.01	2.42
2	0	0.20	1.01	2.42
3				
4				
5	0	0.20	1.01	2.42
6	0	0.20	1.01	2.42
7	0	0.20	1.01	2.42
8	0	0.20	1.02	2.42
9	0	0.21	1.02	2.42
10				
11				
12	0	0.20	1.00	2.41
13	0	0.20	1.01	2.41
14	0	0.20	1.01	2.41
15	0	0.20	1.00	2.43
16	0	0.21	1.00	2.42
17				
18				
19				
20	0	0.20	1.00	2.42
21	0	0.20	1.00	2.43
22	0	0.20	1.01	2.42
23				
24				
25				
26				
27				
28				
29				
30				
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month December Year 2022 Operator Niceforo A.

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0.00	0.20	1.01	2.41
2	0.00	0.21	1.02	2.42
3				
4				
5	0.00	0.25	1.03	2.42
6				
7	VACATION			
8				
9				
10				
11				
12	0.00	0.21	1.02	2.42
13	0.00	0.21	1.01	2.41
14	0.00	0.20	1.01	2.41
15	0.00	0.20	1.01	2.41
16	0.00	0.21	1.02	2.41
17	0.00	0.20	1.02	2.40
18	0.00	0.20	1.01	2.38
19	0.00	0.20	1.01	2.40
20	0.00	0.21	1.01	2.41
21	0.00	0.20	1.01	2.41
22	0.00	0.21	1.02	2.41
23	0.00	0.21	1.01	2.40
24	0.00	0.21	1.01	2.39
25	0.00	0.21	1.01	2.38
26	0.00	0.21	1.01	2.41
27	0.00	0.20	1.01	2.41
28	0.00	0.21	1.01	2.41
29	0.00	0.21	1.01	2.42
30	0.00	0.21	1.02	2.42
31	0.00	0.20	1.02	2.41

LaMotte DC1500 Colorimeter
Calibration Log

Month December Year 2022 Operator [signature]

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	0.21	1.01	2.53
2	0	0.23	1.02	2.51
3	Weekend			
4	0	0.21	1.01	2.43
5	0	0.22	1.00	2.44
6	0	0.23	1.03	2.5
7	0	0.21	1.01	2.44
8	0	0.21	1.01	2.43
9	0	0.21	1.00	2.46
10	0	0.21	1.01	2.44
11	0	0.22	1.02	2.43
12	0	0.21	1.03	2.43
13	0	0.21	1.03	2.44
14	0	0.22	1.03	2.46
15	0	0.21	1.01	2.44
16	0	0.21	1.01	2.43
17	Weekend			
18	Weekend			
19	0	0.22	1.02	2.43
20	0	0.23	1.03	2.43
21	0	0.21	1.03	2.43
22	0	0.22	1.03	2.44
23	0	0.23	1.03	2.44
24	0	0.21	1.01	2.44
25	0	0.21	1.02	2.43
26	Holiday			
27	0	0.21	1.03	2.43
28	0	0.21	1.03	2.45
29	0	0.23	1.01	2.45
30	Holiday			
31	Holiday			

LaMotte DC1500 Colorimeter
Calibration Log

Month Feb Year 2023 Operator Hank

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	.20	1.01	2.49
2	0	.21	1.03	2.51
3	0	.21	1.00	2.50
4	off			
5	off			
6	0	.20	.99	2.49
7	0	.21	1.02	2.50
8	0	.22	1.01	2.49
9	0	.19	.98	2.48
10	0	.20	.99	2.50
11	0	.21	1.01	2.49
12	0	.21	1.01	2.51
13	0	.21	1.00	2.50
14	0	.20	1.00	2.50
15	0	.22	1.00	2.49
16	0	.20	99	2.49
17	0	.21	1.01	2.51
18	off			
19	off			
20	0	.21	1.00	2.49
21	0	.22	.99	2.49
22	0	.21	.99	2.50
23	0	.21	1.00	2.51
24	0	.20	1.01	2.51
25	0	.20	.98	2.50
26	0	.21	.98	2.49
27	0	.20	1.01	2.48
28	0	.20	1.00	2.51
29				
30				
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month FEB Year 2023 Operator Tyler Schneider

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm	
1	0.00	0.19	0.99	2.46	
2	0.00	0.19	0.99	2.46	
3	0.00	0.19	0.99	2.46	
4					off
5					
6	0.00	0.19	0.99	2.46	
7	0.00	0.19	0.99	2.46	
8	0.00	0.19	0.99	2.46	
9	0.00	0.19	0.99	2.46	
10	0.00	0.19		2.46	
11					off
12					
13	0.00	0.19	0.99	2.46	
14	0.00	0.19	0.99	2.46	
15	0.00	0.19	0.99	2.46	
16	0.00	0.19	0.99	2.46	
17	0.00	0.19	0.99	2.46	
18					
19					out of town
20					
21					
22					
23					
24	0.00	0.19	0.99	2.46	
25					
26					
27	0.00	0.19	0.99	2.46	
28	0.00	0.19	0.99	2.46	
29					
30					
31					

LaMotte DC1500 Colorimeter
Calibration Log

Month February Year 2023 Operator Kevin

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	0.19	0.98	2.47
2	0	0.20	0.99	2.48
3	0	0.20	1.00	2.47
4	0	0.19	0.99	2.48
5	0	0.20	1.00	2.48
6	0	0.20	0.99	2.48
7	0	0.21	0.98	2.48
8	0	0.20	0.99	2.46
9	0	0.20	0.98	2.48
10	0	0.20	0.99	2.48
11				
12				
13	0	0.20	0.98	2.48
14	0	0.20	0.98	2.48
15	0	0.20	0.98	2.47
16	0	0.19	1.00	2.48
17	0	0.19	1.00	2.46
18	0	0.20	1.00	2.48
19				
20	0	0.19	1.00	2.48
21	0	0.20	0.99	2.47
22	0	0.19	0.98	2.48
23	0	0.20	1.00	2.48
24	0	0.20	1.00	2.48
25				
26				
27	0	0.20	1.00	2.48
28	0	0.20	1.00	2.48
29				
30				
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month February Year 2023 Operator Niceforo Ayala

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0.00	0.19	0.99	2.46
2	0.00	0.19	0.98	2.47
3	0.00	0.19	0.99	2.47
4				
5				
6	0.00	0.19	0.99	2.48
7	0.00	0.20	0.99	2.48
8	0.00	0.19	0.99	2.47
9	0.00	0.20	0.99	2.47
10	0.00	0.20	0.99	2.47
11				
12				
13	0.00	0.20	0.99	2.48
14	0.00	0.19	0.99	2.48
15	0.00	0.20	0.99	2.48
16	0.00	0.20	0.99	2.48
17	0.00	0.20	0.99	2.47
18	0.00	0.19	0.99	2.45
19	0.00	0.20	0.99	2.47
20	0.00	0.19	0.99	2.48
21	0.00	0.19	0.99	2.47
22	0.00	0.19	0.99	2.47
23	0.00	0.19	0.99	2.47
24	0.00	0.19	0.99	2.47
25				
26				
27	0.00	0.19	0.99	2.48
28	0.00	0.19	0.99	2.47
29				
30				
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month February Year 2023 Operator Caroline Lewis

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	0.19	.99	2.47
2	0	0.20	.99	2.47
3	0	0.20	.98	2.47
4	Weekend			
5	Weekend			
6	0	0.19	.98	2.46
7	0	0.20	.98	2.46
8	0	0.20	.98	2.47
9	0	0.19	.98	2.46
10	0	0.19	.99	2.47
11	Weekend			
12	Weekend			
13	0	0.19	.98	2.47
14	0	0.19	.98	2.46
15	0	0.19	.98	2.47
16	0	0.19	.98	2.47
17	0	0.19	.97	2.45
18	Weekend			
19	Weekend			
20	Holiday			
21	0	0.20	.98	2.48
22	0	0.19	.98	2.46
23	0	0.19	.98	2.46
24	0	0.19	.98	2.46
25	Weekend			
26	Weekend			
27	Vacation			
28	Vacation			
29				
30				
31				

LaMotte DC1500 Colorimeter
Calibration Log

Month January Year 2023 Operator Jordan Davis

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	Holiday			
2	Holiday			
3	0	0.19	.99	2.48
4	0	0.19	.98	2.48
5	0	0.20	.99	2.49
6	0	0.20	.99	2.49
7	Weekend			
8	Weekend			
9	0	0.20	.99	2.50
10	0	0.20	.98	2.49
11	0	0.20	.99	2.48
12	0	0.20	.98	2.47
13	0	0.20	.99	2.49
14	Weekend			
15	Weekend			
16	Holiday			
17	0	0.19	.98	2.49
18	0	0.20	.99	2.49
19	0	0.20	.98	2.48
20	0	0.20	.98	2.48
21	0	0.20	.98	2.48
22	0	0.20	.99	2.48
23	0	0.20	.99	2.49
24	0	0.20	.99	2.48
25	0	0.20	.98	2.49
26	0	0.20	.98	2.48
27	0	0.20	.98	2.47
28	Weekend			
29	Weekend			
30	0	0.20	.98	2.48
31	0	0.20	.98	2.47

LaMotte DC1500 Colorimeter
Calibration Log

Month Jan Year 2023 Operator Harry Bradford

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	off			
2	off			
3	0	.20	.98	2.48
4	0	.20	.99	2.49
5	0	.21	.99	2.48
6	0	.20	.99	2.49
7	off			
8	off			
9	0	.21	.98	2.49
10	0	.20	.99	2.49
11	0	.22	.98	2.49
12	0	.21	.99	2.48
13	0	.22	1.01	2.51
14	0	.22	1.00	2.50
15	0	.20	1.01	2.49
16	0	.22	.98	2.48
17	0	.22	.99	2.48
18	0	.22	1.01	2.50
19	0	.22	1.00	2.49
20	0	.22	1.00	2.50
21	off			
22	off			
23	0	.21	1.00	2.49
24	0	.20	1.01	2.48
25	0	.21	.98	2.50
26	0	.23	1.01	2.49
27	0	.22	1.02	2.48
28	off			
29	off			
30	0	.21	.98	2.49
31	0	.22	.99	2.51

LaMotte DC1500 Colorimeter
Calibration Log

Month January Year 2023 Operator Kain

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1				
2				
3	0	0.20	1.00	2.48
4	0	0.20	1.00	2.47
5	0	0.20	0.98	2.49
6	0	0.20	1.00	2.48
7	0	0.20	1.01	2.48
8	0	0.20	1.00	2.48
9	0	0.19	1.02	2.50
10	0	0.19	1.00	2.48
11	0	0.19	1.00	2.48
12	0	0.20	0.98	2.47
13	0	0.20	0.99	2.46
14				
15				
16				
17	0	0.19	0.98	2.48
18	0	0.19	0.99	2.48
19	0	0.20	0.98	2.50
20	0	0.19	1.00	2.47
21				
22				
23	0	0.19	0.99	2.47
24	0	0.20	0.99	2.47
25	0	0.19	0.99	2.47
26	0	0.19	0.99	2.48
27	0	0.19	0.99	2.50
28				
29				
30	0	0.19	0.99	2.47
31	0	0.20	1.00	2.48

LaMotte DC1500 Colorimeter
Calibration Log

Month January Year 2023 Operator Nicefaro Ayala

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0.00	0.20	1.00	2.49
2	0.00	0.20	1.00	2.49
3	0.00	0.20	1.00	2.49
4	0.00	0.20	1.00	2.49
5	0.00	0.20	0.99	2.48
6	0.00	0.20	0.99	2.48
7				
8				
9	0.00	0.20	0.99	2.48
10	0.00	0.20	1.00	2.48
11	0.00	0.20	1.00	2.48
12	0.00	0.20	1.00	2.49
13	0.00	0.20	0.99	2.49
14				
15				
16				
17	0.00	0.20	0.99	2.48
18	0.00	0.20	0.99	2.48
19	0.00	0.20	1.00	2.48
20	0.00	0.20	1.00	2.48
21				
22				
23	0.00	0.20	1.00	2.48
24	0.00	0.20	1.00	2.48
25	0.00	0.20	1.00	2.48
26	0.00	0.20	0.99	2.48
27	0.00	0.20	0.99	2.48
28	0.00	0.20	1.00	2.48
29	0.00	0.19	0.99	2.47
30	0.00	0.19	0.99	2.46
31	0.00	0.19	0.99	2.46

LaMotte DC1500 Colorimeter
Calibration Log

Month March Year 2023 Operator Kevin Maloney

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	0.19	1.00	2.48
2	0	0.19	0.98	2.48
3	0	0.20	1.00	2.50
4				
5				
6	0	0.19	1.00	2.48
7	0	0.20	0.99	2.49
8	0	0.20	0.98	2.48
9	0	0.19	0.99	2.47
10	0	0.20	0.99	2.47
11	0	0.19	0.98	2.45
12	0	0.19	0.98	2.47
13	0	0.19	0.98	2.47
14	0	0.20	0.98	2.48
15	0	0.20	0.99	2.48
16	0	0.20	0.99	2.46
17	0	0.19	1.00	2.47
18				
19				
20	0	0.19	1.00	2.47
21	0	0.20	1.00	2.48
22	0	0.19	0.99	2.48
23	0	0.19	0.98	2.49
24	0	0.20	1.00	2.48
25				
26				
27	0	0.20	0.98	2.49
28	0	0.20	0.99	2.48
29	0	0.19	1.00	2.48
30	0	0.20	1.00	2.48
31	0	0.19	0.98	2.47

LaMotte DC1500 Colorimeter
Calibration Log

Month March Year 2023 Operator Jaida Davis

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	~~Holiday~~ Vacation			
2	Vacation			
3	Vacation			
4	Weekend			
5	Weekend			
6	0	0.20	0.98	2.47
7	0	0.20	0.98	2.48
8	0	0.20	0.98	2.48
9	0	0.19	0.99	2.48
10	0	0.19	0.95	2.47
11	Weekend			
12	Weekend			
13	0	0.19	0.98	2.47
14	0	0.21	0.98	2.47
15	0	0.20	0.99	2.48
16	0	0.19	1.00	2.48
17	0	0.20	1.01	2.47
18	Weekend			
19	Weekend			
20	0	0.19	0.98	2.48
21	0	0.20	0.99	2.48
22	0	0.20	0.99	2.47
23	0	0.19	0.99	2.48
24	0	0.21	1.00	2.48
25	Weekend			
26	Weekend			
27	0	0.20	1.01	2.47
28	0	0.21	1.00	2.47
29	0	0.20	0.99	2.48
30	0	0.20	0.98	2.48
31	0	0.20	0.98	2.48

LaMotte DC1500 Colorimeter
Calibration Log

Month March Year 2023 Operator Nicefora Ayala

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0.00	0.19	0.99	2.47
2	0.00	0.19	0.99	2.47
3	0.00	0.19	0.99	2.48
4				
5				
6	0.00	0.19	0.99	2.48
7	0.00	0.19	0.99	2.48
8	0.00	0.19	0.99	2.48
9	0.00	0.19	0.98	2.47
10	0.00	0.19	0.99	2.47
11				
12				
13	0.00	0.20	1.00	2.48
14	0.00	0.20	1.00	2.48
15	0.00	0.19	0.99	2.48
16	0.00	0.19	0.99	2.48
17	0.00	0.20	0.99	2.47
18	0.00	0.20	1.00	2.47
19	0.00	0.19	0.99	2.46
20	0.00	0.19	0.99	2.48
21	0.00	0.19	0.99	2.47
22	0.00	0.19	0.99	2.47
23	0.00	0.19	0.99	2.47
24	0.00	0.19	0.99	2.47
25				
26				
27	0.00	0.19	0.99	2.47
28	0.00	0.19	1.00	2.47
29	0.00	0.19	0.99	2.47
30	0.00	0.19	0.99	2.48
31	0.00	0.19	0.99	2.47

LaMotte DC1500 Colorimeter
Calibration Log

Month March Year 2023 Operator Harry

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm
1	0	.21	1.01	2.50
2	0	.21	1.00	2.49
3	0	.20	.98	2.52
4	off			
5	off			
6	0	.22	1.01	2.51
7	0	.21	1.01	2.49
8	0	.20	1.01	2.50
9	0	.20	1.01	2.49
10	0	.22	.98	2.51
11	0	.21	1.00	2.51
12	0	.20	.99	2.48
13	0	.22	1.00	2.49
14	0	.21	.99	2.49
15	0	.21	.98	2.50
16	0	.22	1.01	2.51
17	0	.20	1.01	2.49
18	off			
19	off			
20	0	.22	1.01	2.50
21	0	.20	1.00	2.50
22	0	.21	1.01	2.51
23	0	.21	1.00	2.49
24	0	.22	.99	2.50
25	0	.20	1.00	2.51
26	0	.21	1.01	2.50
27	0	.22	1.01	2.49
28	0	.20	.99	2.49
29	0	.22	1.00	2.51
30	0	.21	1.00	2.48
31	0	.21	1.00	2.51

LaMotte DC1500 Colorimeter
Calibration Log

Month March Year 2023 Operator Tyler S

Date	0.00 ppm	0.2 +/- 0.02ppm	1.0 +/- 0.03ppm	2.5 +/- 0.10 ppm	
1	0.00	0.19	0.98	2.48	
2	0.00	0.19	0.98	2.48	
3	0.00	0.19	0.98	2.48	
4	0.00	0.19	0.98	2.48	
5	0.00	0.19	0.98	2.48	
6	0.00	0.19	0.99	2.47	
7	0.00	0.19	0.98	2.48	
8	0.00	0.19	0.98	2.48	
9	0.00	0.19	0.98	2.48	
10	0.00	0.19	0.98	2.48	
11					weekend off
12					
13	0.00	0.19	0.98	2.48	
14	0.00	0.19	0.98	2.48	
15	0.00	0.19	0.98	2.48	
16	0.00	0.19	0.98	2.48	
17	0.00	0.19	0.98	2.48	
18					
19					
20	0.00	0.19	0.98	2.48	
21	0.00	0.19	0.98	2.48	
22	0.00	0.19	0.98	2.48	
23	0.00	0.19	0.98	2.48	
24	0.00	0.19	0.98	2.48	
25					
26					
27	0.00	0.19	0.98	2.48	
28	0.00	0.19	0.98	2.48	
29	0.00	0.19	0.98	2.48	
30	0.00	0.19	0.98	2.48	
31	0.00	0.19	0.98	2.48	

PWS_1810170_CP_20240220_INVESTIGATION

Texas Commission on Environmental Quality
Investigation Report

The TCEQ is committed to accessibility. If you need assistance in accessing this document, please contact oce@tceq.texas.gov

Customer: T & W Water Service Company
Customer Number: CN601363005

Regulated Entity Name: TIMER WATER SYSTEM
Regulated Entity Number: RN101195832

Investigation # 1967885
Investigator: VANESSA STANSBURY
Conducted: 02/20/2024 -- 03/04/2024
Program(s): PUBLIC WATER SYSTEM/SUPPLY
Investigation Type: Compliance Investigation
Additional ID(s) 1810170

Incident Numbers
Site Classification GW <=50 CONNECTION
No Industry Code Assigned
Location: OFF HWY 105, 6 MILES NORTH OF VIDOR, ON TIMER STREET

Address: ,
, ,

Local Unit: REGION 10 - BEAUMONT
Activity Type(s PWSCCIGWCM - CCI GW PURCHASE - COMMUNITY MANDATORY

Principal(s):

Role	Name
RESPONDENT	T & W WATER SERVICE COMPANY

Contact(s):

Role	Title	Name	Phone	
PARTICIPATED IN	OPERATOR	MR KEVIN MALONEY	Work	(936) 756-7400
			Work	(832) 515-8952
PARTICIPATED IN	OFFICE MANAGER	MRS KARLA LANGREDER	Office	(936) 756-7400
			Cell	(409) 770-4296
NOTIFIED	OFFICE MANAGER	MRS KARLA LANGREDER	Cell	(409) 770-4296
			Office	(936) 756-7400
REGULATED ENTITY CONTACT	OFFICE MANAGER	MRS KARLA LANGREDER	Cell	(409) 770-4296
			Office	(936) 756-7400
REGULATED ENTITY MAIL CONTACT	GENERAL MANAGER	MRS DEANNA DEGEYTER	Work	(936) 756-7400
			Fax	(866) 422-8519
			Phone	(281) 455-5676

Other Staff Member(s):

Role	Name
QA Reviewer	DOUGLAS BLACK
Investigator	JACEQULINE HOLMAN
Supervisor	RONALD HEBERT JR
Investigator	JILL CULP

Associated Check List

Checklist Name	Unit Name
PWS EPP	EPP
PWS GENERIC VIOLATIONS (35 ITEMS)	PWS 2
PWS STANDARD FIELD	PWS 1
WATER EQUIPMENT	EQ

Investigation Comments:

INTRODUCTION

Timer Water System (WS) was investigated by Ms. Vanessa Stansbury and Mrs. Jill Culp, Environmental Investigators, on February 20, 2024 and March 4, 2024 to determine compliance with applicable public water system regulations. Mrs. Karla Langreder, Office Manager, was contacted on February 6, 2024 to schedule the Comprehensive Compliance Investigation (CCI) for February 20, 2024. An investigative request was e-mailed to Mrs. Langreder on February 7, 2024 (see Attachment No. 1 - Investigative Request Letter).

A copy of the TCEQ Exit Interview Form and a link to the TCEQ Customer Survey Form was emailed to the water system on March 18, 2024. A second Exit Interview Form was emailed to the water system on April 10, 2024 (see Attachment No. 2 for Exit Interview Forms).

A Notice of Violation (NOV) Letter was mailed to the water system.

GENERAL FACILITY AND PROCESS INFORMATION

Type of system: Community
- Total connections: 17 (16 active, 1 inactive)
- Retail population: 46 (based on U.S. census data)
- Wholesale meters: 0
- Wholesale population: 0
- Average daily usage: 0.00237million gallons (MG) from February 1, 2023 to January 31, 2024

This is a community groundwater system that is supplied by one well (G1810170A) which was tested to produce 48 gallons per minute (gpm). The plant also consists of an arsenic removal filter and two 0.000525 million-gallon (MG) pressure tanks. The water system injects polyphosphate for sequestration and sodium hypochlorite for disinfection. For additional facility information see attachment No. 3- Water System Schematic, SDWIS Printout, and Capacity Sheets.

On July 7, 2000, the water system was granted an exception to the rule requiring a sanitary control easement for Well No. 1 (G1810170A). This exception is contingent on the collection of one raw water bacteriological sample per month.

On August 25, 2014, the water system was granted an exception to use innovative and alternative treatment for arsenic removal. This exception is contingent on the following conditions: the water system must use the Graver Technologies' Metsorb HMRG media; have a TCEQ-licensed waterworks operator who holds at least a Class D or higher license employed with the water system; conduct process control tests for the arsenic removal process at least once each week by monitoring and recording the total arsenic levels and number of bed volumes treated; purchase appropriate equipment to verify the arsenic treatment plant is meeting water quality goals; provide sample taps on the influent to each filter; the effluent to each filter, and on the water entering the distribution; must conduct a visual inspection of the filter media annually; disposal of all waste shall be in accordance with all applicable state and federal statutes and regulations; maintain records of chemical doses and arsenic monitoring for a period of five years; install flow-measuring devices on each vessel in accordance with the manufacturer's specifications and calibrate each device upon installation; calibrate these flow-measuring devices at least once every 12 months; maintain calibration records for the plant's flow-indicating devices for as long as the plant is in operation; and calibrate the well meter at least once every three years.

The water system employs the following operators:

Kevin J. Maloney, Class C Ground Water Treatment, License No. WG0016921, Expires July 23, 2024

Niceforo Ayala, Class D Water, License No. WO0021246, Expires March 16, 2027

Jordan Davis, Class C Ground Water Treatment, License No. WG0012850, Expires August 23, 2025

Harry Bradford, Class C Ground Water Treatment, License No. WG0020558, Expires January 31, 2027

Tyler Schneider, Class D Water, License No. WO0051772, Expires January 27, 2026

Sandra Garrett, Class D Water, License No. WO0052442, Expires July 06, 2026

Nathan Clark, Class C Ground Water Treatment, License No. WG0020566, Expires January 23, 2027

Charles W Adams Jr., Class B Surface Water, License No. WS0000698, Expires August 12, 2026

Karin Warren, Class D Water, License No. WO0047437, Expires February 8, 2025; Backflow Prevention Assembly Tester, License No. BP0018424, Expires May 11, 2027

BACKGROUND

The last Comprehensive Compliance Investigation (CCI) for this water system was conducted on June 8, 2021, and no alleged violations were noted as a result of the investigation.

No alleged violations noted by the Beaumont Regional Office remain outstanding at this time.

A search of the Consolidated Compliance and Enforcement Data System (CCEDS) showed that no complaints have been filed against the water system since the last CCI.

A search of CCEDS found that one active enforcement case has been filed against the water system, which was prior to a change in ownership that occurred on December 1, 2022. All of the alleged violations documented in Enforcement Case No. 3044 have since been resolved; however, the case remains active at this time.

ADDITIONAL INFORMATION

On February 20, 2024, the investigators met with Mr. Kevin Maloney, Operator, to conduct the field portion of the investigation. On March 4, 2023, the investigator conducted the record portion of the investigation that were submitted to the Beaumont Regional Office on February 20, 2024.

The following records were reviewed: connection counts, customer service agreement, sanitary control easements, deeds and maps, customer service inspections, backflow inspection forms, monthly operating reports, records for the amount of chemicals used, monthly flushing records, disinfectant residual sampling records, a distribution map, drought contingency plan, exception documentation, monitoring plan, tank inspection forms, Boil Water Notice documentation, well meter calibration records, chlorine analyzer accuracy check records, American National Standards Institute/National Sanitation Foundation (ANSI/NSF) verifications for all chemicals, the Revised Total Coliform Rule (RTCR) Sample Siting Plan and Map, the bacteriological sampling records for the previous twelve months, and the Emergency Preparedness Plan (EPP).

During the investigation, it was noted that the water system recorded "0 inches" for sodium hypochlorite from November 14 through 20, 2023 and January 26 through 31, 2024 while also showing that water was being used during this time, according to the recorded water usage records. Other examples of the water system also recording "0 inches" for polyphosphate are November 7 through 13, 2023 and January 26 through 31, 2024. Please note that these are not the only times this occurred. It was also noted that there were occasions when the water system recorded negative values for the amounts of chemicals, such as from March 28, 2023 through March 31, 2023 for sodium hypochlorite usage, April 22 through 27, 2023 for polyphosphate, and on December 12, 2023 for polyphosphate. Please note that this was due to the amounts recorded for the chemical storage tank levels recorded in the water system's field logs. On April 9, 2024, the water system confirmed that the water treatment plant was online during these timeframes. The water system also explained that the noted issues regarding the chemical usage record were due to inconsistent data that was provided from their previous operations company. The water system has since taken over operations and has begun weekly reviews of all data entries related to their operations data.

During the investigation, it was noted that the raw water sampling section of the water system's monitoring plan states that the water system is required to collect a raw water sample from Well No. 1; however, they did not state that this was a raw water bacteriological sample and did not list the frequency, method, laboratory information, and compliance calculations for the raw water bacteriological sampling that is required to be conducted each month from Well No. 1 (G1810170A). The monitoring plan also stated thatthey collected lead and copper samples on an annual basis while the water system is required to collect five routine samples every three years. On April 9, 2024, the water system revised the raw water sampling section of the water system's monitoring plan to state that they are required to collect a raw water sample from Well No. 1 on a monthly basis; however, they did not state that this was a raw water bacteriological sample and did not include the method, laboratory information, and compliance calculations for the raw water bacteriological sampling. The water system updated the plan to state that they collect lead and copper samples every three years; however, they did not specify that they are required to collect five routine samples every three years.

During the investigation, it was noted that the water system exceeded the seven-day requirement for collecting distribution disinfectant residuals during the following timeframes according to the water system's distribution disinfectant residual records: February 27 through March 7, 2023, June 29 and July 7, 2023, January 3 through 11, 2024, and January 17 through 25, 2024. On April 16, 2024, the water system submitted documentation showing that the water system collected free chlorine residuals from the distribution system at least once every seven days since January 25, 2024.

During the investigation, it was noted that two coliform and distribution disinfectant residual sample sites varied between the monitoring plan, the distribution disinfectant residual records, and Revised Total Coliform Rule (RTCR) Sample Siting Plan and Map. The monitoring plan and distribution disinfectant residual records stated 272 Timer while the RTCR Sample Siting Plan and Map stated 275 Timer. Please note that the water system's coliform sample results indicated that the water system's previous operating company collected bacteriological samples from both 272 Timer and 275 Timer. The distribution disinfectant residual records and RTCR Sample Siting Plan and Map stated 285 Doris while the monitoring plan stated 285 Timer. On April 9, 2024, the water system provided a revised copy of the monitoring plan, which corrected 285 Timer to 285 Doris. Please note that the monitoring plan still stated 272 Timer and that no revised RTCR Sample Siting Plan and Map were included. On April 11, 2024, the water system submitted an updated monitoring plan and sample siting plan, which listed the same sample site locations. Please note that the water system is required to take distribution disinfectant and routine coliform samples from the following sample sites unless the monitoring plan and RTCR Sample Siting Plan and Map is revised in the future: 155 Timer, 275 Timer, 210 Timer, 5845 Williamson, and 285 Doris.

During the investigation, it was noted that the water system was not aware of them following any of the contingencies outlined in the August 25, 2014 Alternative/Innovative Treatment Exception Letter. The water system also stated that they were draining the wastewater for the arsenic filter's backwash cycles directly onto the ground, which is located directly next to Well No. 1. On April 9, 2024, the water system clarified that their previous operating company did not provide them any documentation that indicated this exception letter was being followed. The water system provided a Standard Operating Procedure (SOP) at that time, which they stated they would be following from that point forward. This alleged violation will remain outstanding until the water system provides documentation showing that they have began following the contingencies of the August 25, 2014 Alternative/Innovative Treatment Exception.

During the investigation, it was noted that the emergency contact information for the state and local entities listed on Page 12 of the plant operations manual listed telephone numbers for the TCEQ Houston Regional Office and Hardin County Sheriff Office. Please note that this water system islocated in Orange County and is located within the Beaumont Region. Please also note that the Emergency Response Information on Page 9 states to call the "TCEQ Region 10" which is the Beaumont Regional Office; however, the Houston Regional Offices contact information is listed.

During the investigation, it was noted that no CSI reports were provided to Blue Topaz from the previous owner, and Blue Topaz is not aware of any newly conducted CSIs since purchasing the water system. It is suggested that the water system ensures that CSIs have been conducted for all residences that have potential cross-connections with any private water wells or any other health hazards. This will be noted as an additional issue and may result in future alleged violations.

On March 18, 2024, the investigator provided an exit interview form to the water system which included a request for the water system to submit copies the following documentation to the Beaumont Regional Office within 14 days: copies of the 2022 and 2023 Tank Inspection Forms for the two 525-gallon pressure tanks and the accuracy check records for the chlorine analyzer used to record the free chlorine residuals on the water system's bacteriological sample forms, which were all conducted by Mr. Charlie Adams (WS0000698). Please note that these records were not provided for review during the investigation.

On March 18, 2024, the investigator provided an exit interview form to the water system which included a request for the water system to submit copies the following documentation to the Beaumont Regional Office within 14 days: the Certificates of Analysis for the low range and mid-range DPD-chlorine secondary standards used by the water system to conduct chlorine analyzer accuracy checks. Please note that this record was not provided for review during the investigation. This will be noted as an additional issue.

Operation and maintenance- During the investigation, an evaluation of the water production and distribution system was conducted.

During the investigation, it was noted that the conduit covering the electrical wiring coming out of the right side of the junction box located directly below the right-most electrical panel was disconnected from the junction box, leaving the electrical wiring exposed. On April 9, 2024, the water system submitted documentation of the conduit covering the electrical wiring of the pressure switch located directly before where Well No. 1's discharge piping connects with the inlet piping for the arsenic filter. Please note that the noted electrical issues were for the electrical panels attached to the partially covered wooden framework located in the front-left corner of the water treatment plant.

During the investigation, it was noted that the gate valve on the bypass line for the arsenic filter was not fully closed. Please note that this can potentially allow unfiltered water containing arsenic to bypass the arsenic filter and be sent out to the distribution system. It is suggested that the water system look into whether or not this valve is supposed to be completely closed. This will be noted as an additional issue and may result in future alleged violations.

During the investigation, it was noted that there was a gap between the top of the sodium hypochlorite storage container and the chemical injection line. On April 16, 2024, the water system submitted photographic documentation that showed they had closed the gap between the top of the sodium hypochlorite storage container and the chemical injection line with a sealant.

During the investigation, it was noted that the slab for the generator that the water system is planning to install was located outside the intruder resistant fence for the water treatment plant. Please note that the water system will be required to install an intruder resistant fence around the generator once it is brought to the water treatment plant. This will be noted as an additional issue and may result in future alleged violations.

Capacity- During the investigation, the water system's capacity was evaluated (see Attachment No. 3- Water System Schematic, SDWIS Printout, and Capacity Sheets).

The capacity was calculated, and sampling results were documented as follows:

The water system is required to provide 1.5 gpm multiplied by (x) 17 connections equals (=) 25.5 gpm for total production, while the water system provides 48 gpm. The water system provides 0.00105 MG of pressure storage capacity while 0.00085 MG is required.

Sampling- During the investigation, a free chlorine residual of 0.91 milligrams per liter (mg/L) and a pressure reading of 44 pounds per square inch (psi) were documented at 285 Doris after flushing for approximately three minutes.

List of Attachments:
Attachment No. 1- Investigative Request Letter
Attachment No. 2- Exit Interview Forms
Attachment No. 3- Water System Schematic, SDWIS Printout, and Capacity Sheets
Attachment No. 4- Investigation Photographs
Attachment No. 5- Water System Documentation

NOV Date	02/20/2024	**Method**	AREA OF CONCERN
NOV Date	05/03/2024	**Method**	WRITTEN

OUTSTANDING ALLEGED VIOLATION(S)

ASSOCIATED TO A NOTICE OF VIOLATION

Track Number: 876775 **Compliance Due Date: 08/01/2024**
Violation Start Date: 3/4/2024

30 TAC Chapter 290.46(f)(3)(A)(i)(III)

Alleged Violation:

Investigation: 1967885 Comment Date: 05/01/2024
Failure by Blue Topaz Utilities - Timer WS to maintain a complete record of the amount of each chemical used each week.

During the investigation, it was noted that the water system recorded "0 inches" for sodium hypochlorite from November 14 through 20, 2023 and January 26 through 31, 2024 while also showing that water was being used during this time, according to the recorded water usage records. Other examples of the water system also recording "0 inches" for polyphosphate are November 7 through 13, 2023 and January 26 through 31, 2024. Please note that these are not the only times this occurred.

It was also noted that there were occasions when the water system recorded negative values for the amounts of chemicals, such as from March 28, 2023 through March 31, 2023 for sodium hypochlorite usage, April 22 through 27, 2023 for polyphosphate, and on December 12, 2023 for polyphosphate. Please note that this was due to the amounts recorded for the chemical storage tank levels recorded in the water system's field logs.

On April 9, 2024, the water system confirmed that the water treatment plant was online during these timeframes. The water system also explained that the noted issues regarding the chemical usage record were due to inconsistent data that was provided from their previous operations company. The water system has since taken over operations and has begun weekly reviews of all data entries related to their operations data.

Recommended Corrective Action: Maintain a complete and accurate record of the amount of each chemical is used each week. Submit two months of complete chemical usage records to the Beaumont Regional Office.

Track Number: 876776 **Compliance Due Date: 08/01/2024**
Violation Start Date: 3/4/2024

30 TAC Chapter 290.121(a)
30 TAC Chapter 290.121(b)(1)
30 TAC Chapter 290.121(b)(2)
30 TAC Chapter 290.121(b)(4)
30 TAC Chapter 290.121(b)(5)
30 TAC Chapter 290.121(b)(6)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024
Failure by Blue Topaz Utilities - Timer WS to maintain a complete and up-to-date monitoring plan.

During the investigation, it was noted that the raw water sampling section of the water system's monitoring plan states that the water system is required to collect a raw water sample from Well No. 1; however, they did not state that this was a raw water bacteriological sample and did not list the frequency, method,

laboratory information, and compliance calculations for the raw water bacteriological sampling that is required to be conducted each month from Well No. 1 (G1810170A). The monitoring plan also stated that they collected lead and copper samples on an annual basis while the water system is required to collect five routine samples every three years.

On April 9, 2024, the water system revised the raw water sampling section of the water system's monitoring plan to stated that they are required to collect a raw water sample from Well No. 1 on a monthly basis; however, they did not state that this was a raw water bacteriological sample and did not include the method, laboratory information, and compliance calculations for the raw water bacteriological sampling. The water system updated the plan to state that they collect samples every three years; however, they did not specify that they are required to collect five routine samples every three years.

Recommended Corrective Action: Revise the monitoring plan to state the following: that the water system is required to collect a raw water bacteriological sample from Well No. 1 on a monthly basis, the methods that are used by the water system to collect these raw water samples, the laboratory information for the lab the water system uses for these raw water bacteriological samples, the compliance calculation information for the raw water bacteriological samples, and that the water system is required to collect five lead and copper samples every three years.

Track Number: 876781 **Compliance Due Date: 08/01/2024**

Violation Start Date: 2/20/2024

30 TAC Chapter 290.46(v)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to securely install all electrical wiring for the water system in compliance with a local or national electrical code.

During the investigation, it was noted that the conduit covering the electrical wiring coming out of the right side of the junction box located directly below the right-most electrical panel was disconnected from the junction box, leaving the electrical wiring exposed.

On April 9, 2024, the water system submitted documentation of the conduit covering the electrical wiring of the pressure switch located directly before where Well No. 1's discharge piping connects with the inlet piping for the arsenic filter. Please note that the noted electrical issues were for the electrical panels attached to the partially covered wooden framework located in the front-left corner of the water treatment plant.

Recommended Corrective Action: Repair the electrical issues listed above. Submit photographic documentation of the repaired electrical issues to the Beaumont Regional Office.

Track Number: 876785 **Compliance Due Date: 08/01/2024**

Violation Start Date: 3/4/2024

30 TAC Chapter 290.42(l)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to maintain a complete and up-to-date plant operations manual.

During the investigation, it was noted that the emergency contact information for the state and local entities listed on Page 12 of the plant operations manual listed telephone numbers for the TCEQ Houston Regional Office and Hardin County Sheriff Office. Please note that this water system is located in Orange County and is located within the Beaumont Region. Please also note that the Emergency Response Information on Page 9 states to call the "TCEQ Region 10" which is the Beaumont Regional Office; however, the Houston Regional Offices contact information is listed.

Recommended Corrective Action: Update the plant operations manual to include emergency contact information for the TCEQ Beaumont Regional Office (409-898-3838) and a local entity located in Orange County. Submit a copy of the revised plant operations manual to the Beaumont Regional Office.

Track Number: 877366 **Compliance Due Date: 08/01/2024**

Violation Start Date: 2/20/2024

2D TWC Chapter 26.121(a)(1)
30 TAC Chapter 290.39(l)(4)
30 TAC Chapter 290.39(l)(5)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/29/2024

Failure by Blue Topaz Utilities - Timer WS to comply with the requirements established by the executive director for a granted exception.

During the investigation, it was noted that the water system was not aware of them following any of the contingencies outlined in the August 25, 2014 Alternative/Innovative Treatment Exception Letter. The water system also stated that they were draining the wastewater for the arsenic filter's backwash cycles directly onto the ground, which is located directly next to Well No. 1. On April 9, 2024, the water system clarified that their previous operating company did not provide them any documentation that indicated this exception letter was being followed. The water system provided a Standard Operating Procedure (SOP) at that time, which they stated they would be following from that point forward. This alleged violation will remain outstanding until the water system provides documentation showing that they have began following the contingencies of the August 25, 2014 Alternative/Innovative Treatment Exception.

Recommended Corrective Action: Begin following all of the contingencies outlined within the August 25, 2014 Alternative/Innovative Treatment Exception. Submit copies of the following to the Beaumont Regional Office: documentation showing that the water system provides equipment for operators to verify the temperature, pH, and total arsenic levels in the water at different stages of treatment; two months of records showing the water system is conducting process control tests for the arsenic removal process at least once each week by monitoring and recording the total arsenic levels of the treated water via the tracking of both the total arsenic levels and the number of bed volumes treated; two months of records showing that the water system conducts a visual inspection of the filter media on an annual basis, as specified in 30 TAC 290.46(m)(2); records of any media addition or replacement; documentation showing that the water system is properly disposing of the backwash wastewater in accordance with 30 TAC 290.42(i); records of chemical doses and arsenic monitoring; documentation showing that the water system provides a flow-measuring devices on the arsenic filter vessel in accordance with manufacturer's specifications; records showing that the arsenic filter's flow measuring device has been calibrated. Please note that this flow measuring device is not equivalent to the water system's well meter according to the exception letter. In order to calculate the bed volumes that are treated, the required flow meter will need to be on whenever the filter is in use.

Track Number: 877375 **Compliance Due Date: 08/01/2024**

Violation Start Date: 3/4/2024

30 TAC Chapter 290.46(f)(2)
30 TAC Chapter 290.46(f)(3)(B)(iv)
30 TAC Chapter 290.46(f)(3)(D)(ii)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/29/2024

Failure by Blue Topaz Utilities - Timer WS to have operating records accessible for review during inspections and available to the executive director upon request.

On March 18, 2024, the investigator provided an exit interview form to the water system which included a request for the water system to submit copies the following documentation to the Beaumont Regional Office within 14 days: copies of the 2022 and 2023 Tank Inspection Forms for the two 525-gallon pressure tanks and the accuracy check records for the chlorine analyzer used to record the free chlorine residuals on the water system's bacteriological sample forms, which were all conducted by Mr. Charlie Adams (WS0000698). Please note that these records were not provided for review during the investigation.

Recommended Corrective Action: Submit copies of the following to the Beaumont Regional Office: copies of the 2022 and 2023 Tank Inspection Forms for the two 525-gallon pressure tanks and the accuracy check records for the chlorine analyzer used to record the free chlorine residuals on the water system's bacteriological sample forms, which were all conducted by Mr. Charlie Adams (WS0000698).

AREA OF CONCERN

Track Number: 876777 **Resolution Status Date: 4/29/2024**

Violation Start Date: 3/4/2024 **Violation End Date:** 4/16/2024

30 TAC Chapter 290.110(c)(4)(A)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/29/2024

Failure by Blue Topaz Utilities - Timer WS to collect a disinfectant residual at representative locations within the distribution system at least once every seven days.

During the investigation, it was noted that the water system exceeded the seven-day requirement for collecting distribution disinfectant residuals during the following timeframes according to the water system's distribution disinfectant residual records: February 27 through March 7, 2023, June 29 and July 7, 2023, January 3 through 11, 2024, and January 17 through 25, 2024.

Recommended Corrective Action: Collect a disinfectant residual from one of the representative locations within the distribution system at least once every seven days.

Resolution: On April 16, 2024, the water system submitted documentation showing that the water system collected free chlorine residuals from the distribution system at least once every seven days since January 25, 2024.

Track Number: 876780 **Resolution Status Date: 4/19/2024**

Violation Start Date: 3/4/2024 **Violation End Date:** 4/11/2024

30 TAC Chapter 290.121(a)
30 TAC Chapter 290.121(b)(3)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to maintain a complete and up-to-date monitoring plan and Revised Total Coliform Rule (RTCR) Sample Siting Plan and Map.

During the investigation, it was noted that two coliform and distribution disinfectant residual sample sites varied between the monitoring plan, the distribution disinfectant residual records, and Revised Total Coliform Rule (RTCR) Sample Siting Plan and Map. The monitoring plan and distribution disinfectant residual records stated 272 Timer while the RTCR Sample Siting Plan and Map stated 275 Timer. Please note that the water system's coliform sample results indicated that the water system's previous operating company collected bacteriological samples from both 272 Timer and 275 Timer. The distribution disinfectant residual records and RTCR Sample Siting Plan and Map stated 285 Doris while the monitoring plan stated 285 Timer.

On April 9, 2024, the water system provided a revised copy of the monitoring plan, which corrected 285 Timer to 285 Doris. Please note that the monitoring plan still stated 272 Timer and that no revised RTCR Sample Siting Plan and Map were included.

Recommended Corrective Action: Revise the monitoring plan, RTCR Sample Siting Plan, or both so that the routine coliform and distribution disinfectant residual sample sites match.

Resolution: On April 11, 2024, the water system submitted an updated monitoring plan and sample siting plan, which listed the same sample site locations. Please note that the water system is required to take distribution disinfectant and routine coliform samples from the following sample sites unless the monitoring plan and RTCR Sample Siting Plan and Map is revised in the future: 155 Timer, 275 Timer, 210 Timer, 5845 Williamson, and 285 Doris.

Track Number: 876784 **Resolution Status Date: 4/19/2024**

Violation Start Date: 2/20/2024 **Violation End Date:** 4/16/2024

30 TAC Chapter 290.42(e)(5)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to ensure that the tops of hypochlorination solution containers are completely covered to prevent the entrance of dust, insects, and other contaminants.

During the investigation, it was noted that there was a gap between the top of the sodium hypochlorite storage container and the chemical injection line.

Recommended Corrective Action: Seal the gap between the sodium hypochlorite storage container and the chemical injection line. If the water system uses a type of sealant, then they need to ensure that it conforms to either NSF Standard 60 or 61.

Resolution: On April 16, 2024, the water system submitted photographic documentation that showed they had closed the gap between the top of the sodium hypochlorite storage container and the chemical injection line with a sealant.

Additional Issues

Description Item #7

Additional Comments

During the investigation, it was noted that the gate valve on the bypass line for the arsenic filter was not fully closed. Please note that this can potentially allow unfiltered water containing arsenic to bypass the arsenic filter and be sent out to the distribution system. It is suggested that the water system look into whether or not this valve is supposed to be completely closed. This may result in future alleged violations.

Description Item #9

Additional Comments

During the investigation, it was noted that the slab for the generator that the water system is planning to install was located outside the intruder resistant fence for the water treatment plant. Please note that the water system will be required to install an intruder resistant fence around the generator once it is brought to the water treatment plant. This may result in future alleged violations.

Description Item #11

Additional Comments

During the investigation, it was noted that no CSI reports were provided to Blue Topaz from the previous owner, and Blue Topaz is not aware of any newly conducted CSIs since purchasing the water system. It is suggested that the water system ensures that CSIs have been conducted for all residences that have potential cross-connections with any private water wells or any other health hazards. This may result in future alleged violations.

Description Item #13

Additional Comments

On March 18, 2024, the investigator provided an exit interview form to the water system which included a request for the water system to submit copies the following documentation to the Beaumont Regional Office within 14 days: the Certificates of Analysis for the low range and mid-range DPD-chlorine secondary standards used by the water system to conduct chlorine analyzer accuracy checks. Please note that this record was not provided for review during the investigation.

Signed _____ **Date** 5-1-24

Environmental Investigator

Signed _____ **Date** 5-1-24

Supervisor

Attachments: (in order of final report submittal)

___Enforcement Action Request (EAR)

✓ Letter to Facility (specify type) : NW

Investigation Report

___Sample Analysis Results

___Manifests

___Notice of Registration

___Maps, Plans, Sketches

___Photographs

___Correspondence from the facility

___Other (specify) :

✓

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 3, 2024

CERTIFIED MAIL - {9589 0710 5270 0494 1671 49}
RETURN RECEIPT REQUESTED

Mrs. Deanna Degeyter, General Manager
T & W Water Service Company - Blue Topaz Utilities
P.O. Box 2927
Conroe, Texas 77305-2927

Re: Notice of Violation for Public Water Supply Comprehensive Compliance Investigation at: Timer Water System (WS), Vidor (Orange County), Texas, Regulated Entity No.: 101195832; PWS ID No.: 1810170; Investigation No.: 1967885

Dear Mrs. Degeyter:

On February 20, 2024, and March 4, 2024, Ms. Vanessa Stansbury and Mrs. Jill Culp of the Texas Commission on Environmental Quality (TCEQ) Beaumont Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for public water supply. Enclosed is a summary which lists the investigation findings. During the investigation, concerns were noted which were alleged noncompliances that have been resolved as Areas of Concern based on subsequent corrective action. In addition, certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by **August 1, 2024,** a written description of corrective actions taken and the required documentation demonstrating that compliance has been achieved for each of the outstanding alleged violations.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules* (GI 032) are located on our agency website at http://www.tceq.texas.gov for your reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the Beaumont Region Office at 409-898-3838 or the Central Office Publications Ordering Team at 512-239-0028.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violations as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violations documented in this notice. Should you choose to do so, you must notify the Beaumont Region Office within 10 days from the date of this letter. At that time, Mr. Ronald Hebert will schedule a violation review meeting to be conducted within 21 days from the date of this letter. However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the enclosed Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

If you or members of your staff have any questions, please feel free to contact Ms. Stansbury in the Beaumont Region Office at 409-898-3838.

Sincerely,

Mr. Ronald Hebert, Water Section Manager
Beaumont Region Office
Texas Commission on Environmental Quality

RH/VS/jh

Enclosure: Summary of Investigation Findings

Summary of Investigation Findings

TIMER WATER SYSTEM **Investigation # 1967885**

Investigation Date: 02/20/2024

, ORANGE COUNTY,

Additional ID(s): 1810170

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 876775 **Compliance Due Date: 08/01/2024**
30 TAC Chapter 290.46(f)(3)(A)(i)(III)

Alleged Violation:
Investigation: 1967885 Comment Date: 05/01/2024

Failure by Blue Topaz Utilities - Timer WS to maintain a complete record of the amount of each chemical used each week.

During the investigation, it was noted that the water system recorded "0 inches" for sodium hypochlorite from November 14 through 20, 2023 and January 26 through 31, 2024 while also showing that water was being used during this time, according to the recorded water usage records. Other examples of the water system also recording "0 inches" for polyphosphate are November 7 through 13, 2023 and January 26 through 31, 2024. Please note that these are not the only times this occurred.

It was also noted that there were occasions when the water system recorded negative values for the amounts of chemicals, such as from March 28, 2023 through March 31, 2023 for sodium hypochlorite usage, April 22 through 27, 2023 for polyphosphate, and on December 12, 2023 for polyphosphate. Please note that this was due to the amounts recorded for the chemical storage tank levels recorded in the water system's field logs.

On April 9, 2024, the water system confirmed that the water treatment plant was online during these timeframes. The water system also explained that the noted issues regarding the chemical usage record were due to inconsistent data that was provided from their previous operations company. The water system has since taken over operations and has begun weekly reviews of all data entries related to their operations data.

Recommended Corrective Action: Maintain a complete and accurate record of the amount of each chemical is used each week. Submit two months of complete chemical usage records to the Beaumont Regional Office.

Track No: 876776 **Compliance Due Date: 08/01/2024**
30 TAC Chapter 290.121(a)
30 TAC Chapter 290.121(b)(1)
30 TAC Chapter 290.121(b)(2)
30 TAC Chapter 290.121(b)(4)
30 TAC Chapter 290.121(b)(5)
30 TAC Chapter 290.121(b)(6)

Alleged Violation:
Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to maintain a complete and up-to-date monitoring plan.

During the investigation, it was noted that the raw water sampling section of the water system's monitoring plan states that the water system is required to collect a raw water sample from

Well No. 1; however, they did not state that this was a raw water bacteriological sample and did not list the frequency, method, laboratory information, and compliance calculations for the raw water bacteriological sampling that is required to be conducted each month from Well No. 1 (G1810170A). The monitoring plan also stated that they collected lead and copper samples on an annual basis while the water system is required to collect five routine samples every three years.

On April 9, 2024, the water system revised the raw water sampling section of the water system's monitoring plan to stated that they are required to collect a raw water sample from Well No. 1 on a monthly basis; however, they did not state that this was a raw water bacteriological sample and did not include the method, laboratory information, and compliance calculations for the raw water bacteriological sampling. The water system updated the plan to state that they collect samples every three years; however, they did not specify that they are required to collect five routine samples every three years.

Recommended Corrective Action: Revise the monitoring plan to state the following: that the water system is required to collect a raw water bacteriological sample from Well No. 1 on a monthly basis, the methods that are used by the water system to collect these raw water samples, the laboratory information for the lab the water system uses for these raw water bacteriological samples, the compliance calculation information for the raw water bacteriological samples, and that the water system is required to collect five lead and copper samples every three years.

Track No: 876781 **Compliance Due Date: 08/01/2024**
30 TAC Chapter 290.46(v)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to securely install all electrical wiring for the water system in compliance with a local or national electrical code.

During the investigation, it was noted that the conduit covering the electrical wiring coming out of the right side of the junction box located directly below the right-most electrical panel was disconnected from the junction box, leaving the electrical wiring exposed.

On April 9, 2024, the water system submitted documentation of the conduit covering the electrical wiring of the pressure switch located directly before where Well No. 1's discharge piping connects with the inlet piping for the arsenic filter. Please note that the noted electrical issues were for the electrical panels attached to the partially covered wooden framework located in the front-left corner of the water treatment plant.

Recommended Corrective Action: Repair the electrical issues listed above. Submit photographic documentation of the repaired electrical issues to the Beaumont Regional Office.

Track No: 876785 **Compliance Due Date: 08/01/2024**
30 TAC Chapter 290.42(l)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to maintain a complete and up-to-date plant operations manual.

During the investigation, it was noted that the emergency contact information for the state and local entities listed on Page 12 of the plant operations manual listed telephone numbers for the TCEQ Houston Regional Office and Hardin County Sheriff Office. Please note that this water system is located in Orange County and is located within the Beaumont Region. Please also note that the Emergency Response Information on Page 9 states to call the "TCEQ Region 10" which is the Beaumont Regional Office; however, the Houston Regional Offices contact information is listed.

Recommended Corrective Action: Update the plant operations manual to include emergency contact information for the TCEQ Beaumont Regional Office (409-898-3838) and a local entity located in Orange County. Submit a copy of the revised plant operations manual to the Beaumont Regional Office.

Track No: 877366 **Compliance Due Date: 08/01/2024**
2D TWC Chapter 26.121(a)(1)
30 TAC Chapter 290.39(l)(4)
30 TAC Chapter 290.39(l)(5)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/29/2024

Failure by Blue Topaz Utilities - Timer WS to comply with the requirements established by the executive director for a granted exception.

During the investigation, it was noted that the water system was not aware of them following any of the contingencies outlined in the August 25, 2014 Alternative/Innovative Treatment Exception Letter. The water system also stated that they were draining the wastewater for the arsenic filter's backwash cycles directly onto the ground, which is located directly next to Well No. 1. On April 9, 2024, the water system clarified that their previous operating company did not provide them any documentation that indicated this exception letter was being followed. The water system provided a Standard Operating Procedure (SOP) at that time, which they stated they would be following from that point forward. This alleged violation will remain outstanding until the water system provides documentation showing that they have began following the contingencies of the August 25, 2014 Alternative/Innovative Treatment Exception.

Recommended Corrective Action: Begin following all of the contingencies outlined within the August 25, 2014 Alternative/Innovative Treatment Exception. Submit copies of the following to the Beaumont Regional Office: documentation showing that the water system provides equipment for operators to verify the temperature, pH, and total arsenic levels in the water at different stages of treatment; two months of records showing the water system is conducting process control tests for the arsenic removal process at least once each week by monitoring and recording the total arsenic levels of the treated water via the tracking of both the total arsenic levels and the number of bed volumes treated; two months of records showing that the water system conducts a visual inspection of the filter media on an annual basis, as specified in 30 TAC 290.46(m)(2); records of any media addition or replacement; documentation showing that the water system is properly disposing of the backwash wastewater in accordance with 30 TAC 290.42(i); records of chemical doses and arsenic monitoring; documentation showing that the water system provides a flow-measuring devices on the arsenic filter vessel in accordance with manufacturer's specifications; records showing that the arsenic filter's flow measuring device has been calibrated. Please note that this flow measuring device is not equivalent to the water system's well meter according to the exception letter. In order to calculate the bed volumes that are treated, the required flow meter will need to be on whenever the filter is in use.

Track No: 877375 **Compliance Due Date: 08/01/2024**
30 TAC Chapter 290.46(f)(2)
30 TAC Chapter 290.46(f)(3)(B)(iv)
30 TAC Chapter 290.46(f)(3)(D)(ii)

Alleged Violation:

Investigation: 1967885 Comment Date: 04/29/2024

Failure by Blue Topaz Utilities - Timer WS to have operating records accessible for review during inspections and available to the executive director upon request.

On March 18, 2024, the investigator provided an exit interview form to the water system which included a request for the water system to submit copies the following documentation to the Beaumont Regional Office within 14 days: copies of the 2022 and 2023 Tank Inspection Forms for the two 525-gallon pressure tanks and the accuracy check records for the chlorine analyzer

used to record the free chlorine residuals on the water system's bacteriological sample forms, which were all conducted by Mr. Charlie Adams (WS0000698). Please note that these records were not provided for review during the investigation.

Recommended Corrective Action: Submit copies of the following to the Beaumont Regional Office: copies of the 2022 and 2023 Tank Inspection Forms for the two 525-gallon pressure tanks and the accuracy check records for the chlorine analyzer used to record the free chlorine residuals on the water system's bacteriological sample forms, which were all conducted by Mr. Charlie Adams (WS0000698).

AREA OF CONCERN

Track No: 876777
30 TAC Chapter 290.110(c)(4)(A)

Alleged Violation:
Investigation: 1967885 Comment Date: 04/29/2024

Failure by Blue Topaz Utilities - Timer WS to collect a disinfectant residual at representative locations within the distribution system at least once every seven days.

During the investigation, it was noted that the water system exceeded the seven-day requirement for collecting distribution disinfectant residuals during the following timeframes according to the water system's distribution disinfectant residual records: February 27 through March 7, 2023, June 29 and July 7, 2023, January 3 through 11, 2024, and January 17 through 25, 2024.

Recommended Corrective Action: Collect a disinfectant residual from one of the representative locations within the distribution system at least once every seven days.

Resolution: On April 16, 2024, the water system submitted documentation showing that the water system collected free chlorine residuals from the distribution system at least once every seven days since January 25, 2024.

Track No: 876780
30 TAC Chapter 290.121(a)
30 TAC Chapter 290.121(b)(3)

Alleged Violation:
Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to maintain a complete and up-to-date monitoring plan and Revised Total Coliform Rule (RTCR) Sample Siting Plan and Map.

During the investigation, it was noted that two coliform and distribution disinfectant residual sample sites varied between the monitoring plan, the distribution disinfectant residual records, and Revised Total Coliform Rule (RTCR) Sample Siting Plan and Map. The monitoring plan and distribution disinfectant residual records stated 272 Timer while the RTCR Sample Siting Plan and Map stated 275 Timer. Please note that the water system's coliform sample results indicated that the water system's previous operating company collected bacteriological samples from both 272 Timer and 275 Timer. The distribution disinfectant residual records and RTCR Sample Siting Plan and Map stated 285 Doris while the monitoring plan stated 285 Timer.

On April 9, 2024, the water system provided a revised copy of the monitoring plan, which corrected 285 Timer to 285 Doris. Please note that the monitoring plan still stated 272 Timer and that no revised RTCR Sample Siting Plan and Map were included.

Recommended Corrective Action: Revise the monitoring plan, RTCR Sample Siting Plan, or both so that the routine coliform and distribution disinfectant residual sample sites match.

Resolution: On April 11, 2024, the water system submitted an updated monitoring plan and

sample siting plan, which listed the same sample site locations. Please note that the water system is required to take distribution disinfectant and routine coliform samples from the following sample sites unless the monitoring plan and RTCR Sample Siting Plan and Map is revised in the future: 155 Timer, 275 Timer, 210 Timer, 5845 Williamson, and 285 Doris.

Track No: 876784
30 TAC Chapter 290.42(e)(5)

Alleged Violation:
Investigation: 1967885 Comment Date: 04/19/2024

Failure by Blue Topaz Utilities - Timer WS to ensure that the tops of hypochlorination solution containers are completely covered to prevent the entrance of dust, insects, and other contaminants.

During the investigation, it was noted that there was a gap between the top of the sodium hypochlorite storage container and the chemical injection line.

Recommended Corrective Action: Seal the gap between the sodium hypochlorite storage container and the chemical injection line. If the water system uses a type of sealant, then they need to ensure that it conforms to either NSF Standard 60 or 61.

Resolution: On April 16, 2024, the water system submitted photographic documentation that showed they had closed the gap between the top of the sodium hypochlorite storage container and the chemical injection line with a sealant.

ADDITIONAL ISSUES

Description	Additional Comments
Item #9	During the investigation, it was noted that the slab for the generator that the water system is planning to install was located outside the intruder resistant fence for the water treatment plant. Please note tha the water system will be required to install an intruder resistant fence around the generator once i is brought to the water treatment plant. This may result in future alleged violations.
Item #11	During the investigation, it was noted that no CSI reports were provided to Blue Topaz from the previous owner, and Blue Topaz is not aware of any newly conducted CSIs since purchasing the water system. It is suggested that the water system ensures that CSIs have been conducted for all residences that have potential cross-connections with any private water wells or any other health hazards. This may result in future alleged violations
Item #13	On March 18, 2024, the investigator provided an ex interview form to the water system which included a request for the water system to submit copies the following documentation to the Beaumont Regional Office within 14 days: the Certificates of Analysis fo the low range and mid-range DPD-chlorine secondary standards used by the water system to conduct chlorine analyzer accuracy checks. Please note that this record was not provided for review during the investigation.

Item #7

During the investigation, it was noted that the gate valve on the bypass line for the arsenic filter was no fully closed. Please note that this can potentially allow unfiltered water containing arsenic to bypass the arsenic filter and be sent out to the distribution system. It is suggested that the water system look into whether or not this valve is supposed to be completely closed. This may result in future alleged violations.

Texas Commission on Environmental Quality

Attachment 1

Timer WS
PWS ID No. 1810170
Investigation No. 1967885

Investigative Request Letter

FAX/E-MAIL TRANSMITTAL

DATE: 2/7/2024 NUMBER OF PAGES *(including this cover sheet):* 5

TO:
Name: Karla Langreder
Organization: Kinard Estates (PWS ID No. 1810059) & Timer Water System (PWS ID No. 1810170)
Email/ Fax: [redacted]

FROM: TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Name: Jill Culp & Vanessa Stansbury
Division/Region: Beaumont / 10
Telephone Number: (409) 898-3838
FAX Number: (409) 899-8778

NOTES:

1. Please have the applicable records from the attached list available for the inspection of your water system scheduled for:

   Date: Tuesday, February 20, 2024
   Time: Approximately 9:00-9:30 AM
   Location: Timer WS Water Treatment Plant

2. We highly encourage you to do a self-inspection of your system, paying special attention to items noted in the last inspection report.

   Kinard Estates (PWS ID No.: 1810059)

   The last Comprehensive Compliance Investigation (CCI) for this water system was conducted on March 29, 2021, and the following alleged violation was noted as a result of the investigation: failure to cover the discharge opening of the overflow pipe on the ground storage tank with a gravity-hinged and weighted cover, an elastomeric duckbill valve, or other approved device to prevent the entrance of insects and other nuisances.

   The following additional issues were also noted: the water system is currently at 99.73% total production capacity and needs to submit to the executive director, a planning report that clearly explains how the retail public utility will provide the expected service demands to the remaining areas within the boundaries of its certified area and it was requested that photographic documentation of the pressure release device on the pressure tank and photographic documentation of the service pumps and associated piping be submitted to the Beaumont Regional Office, but it was not received.

   The following alleged violation remains outstanding at this time: failure to cover the discharge opening of the overflow pipe on the ground storage tank with a gravity-

hinged and weighted cover, an elastomeric duckbill valve, or other approved device to prevent the entrance of insects and other nuisances. This violation will be withdrawn due to a change in ownership.

Timer Water System (PWS ID No. 1810170):

The last Comprehensive Compliance Investigation (CCI) for this water system was conducted on June 8, 2021, and no alleged violations were noted as a result of the investigation.

No alleged violations noted by the Beaumont Regional Office remain outstanding at this time.

3. In addition, the elimination of easily fixed minor deficiencies, such as missing vent screens, hatch locks, wellhead caulking, etc. prior to the inspection will reduce your administrative load since the correction of each item in our reports must be documented with some proof, such as photographs of the corrected item or copies of documents.

RECORDS REQUIRED TO BE AVAILABLE
AT TIME OF INSPECTIONS
OF
PUBLIC WATER SYSTEMS

I. Water System Information

a. General Information

i. Legally Responsible Official (President, Owner, etc.)

ii. Contact Information for Responsible Official(s)

iii. Physical Location of plant

iv. Mailing Address

II. Records

a. Groundwater Systems

1. Number of total connections, total number of meters in the ground (active or inactive), population served
    a. Please refer to additional information regarding connection counts
    b. Number of pressure planes (with connection counts per pressure plane)
2. Wholesale and purchase water contract(s)
    a. Specify maximum purchase rate
3. Certified Operator list
    a. Include Legal Name, Type of License, Expiration Date
    b. Include Operators, Customer Service Inspectors, and Backflow Testers
4. Well completion Information
    a. Sanitary control easement(s)
    b. Deed and map(s)
    c. Interim approval letter for well(s)
5. TCEQ Plan Review Approval Letters
    a. Including, but not limited to: new wells, booster stations, ground storage tanks, pressure tanks, pumps, etc.
6. Verification of ANSI/NSF Standard 60 and 61 for direct and indirect additives
7. Plant Operations and Maintenance Manual
8. Copies of Exceptions or approved Alternative Capacity Requirements (ACR)
9. Annual Tank Inspection Forms (three years)

10. Distribution System map (showing flush valves/ mains)
11. Customer complaint records
12. Copy of Customer Service Agreement/ Plumbing Code Ordinance
13. Customer Service Inspection forms
14. Backflow Test and Maintenance forms
    a. Information regarding backflow assemblies will need to include physical location
    b. Three years of records for backflow devices
15. Well Meter calibration records
16. Equipment Records
    a. Including but not limited to:
        i. dates of replacement of pumps (with gallon per minute)
        ii. Chlorine meter calibration records
        iii. Equipment capacities
            1. Well pumps (gallons per minute)
            2. Service/filter/transfer pumps
            3. Ground and elevated storage
            4. Pressure tanks
17. Copy of Public Notices
    a. Including but not limited to Boil Water Notices
18. Operational Records:
    a. Disinfection Residual Monitoring records
    b. Flushing records
    c. Amount of chemicals used
    d. Ground water rule compliance records
    e. Chloramine Effectiveness Sampling records
19. Monthly Reports of Monthly Water Works Operation
    a. Average Amount of daily water usage for past twelve-month period (include period of record).
    b. Maximum day water usage from past twelve-month period (include the maximum daily usage and corresponding date).
20. Monitoring Plan
    a. Including but not limited to:
        i. RTCR Sample Siting Plan & Map

ii. Nitrification Action Plan (for systems distributing chloraminated water)

21. Last twelve months of Bacteriological sample results

22. Drought Contingency Plan

23. Emergency Preparedness Plan (EPP)

III. Field (physical) Inspection

a. A plant walk through will occur on the inspection. During this time, the investigator will conduct a physical inspection from the point source(s) to treatment of the water, and the distribution system. For surface water plants, be advised a filter backwash cycle may be requested during the inspection.

*****This information will be useful in determining connection counts for community public water systems.*****

§290.38(14) Connection—A single family residential unit or each commercial or industrial establishment to which drinking water is supplied from the system. As an example, the number of service connections in an apartment complex would be equal to the number of individual apartment units. When enough data is not available to accurately determine the number of connections to be served or being served, the population served divided by three will be used as the number of connections for calculating system capacity requirements. Conversely, if only the number of connections is known, the connection total multiplied by three will be the number used for population served.

-Apartments will count as multiple connections based on the number of apartment units that make up the apartment complex.

-Nursing homes will count as one commercial connection.

-Motels and hotels will count as one connection regardless of the number of rooms.

-An RV Park will count as multiple commercial connections based on the total number of RV spots.

-Each mobile home would count as a connection because it is a single-family residence.

-Correctional facilities (prisons). The number of connections will equal the number of prisoners and employees and dividing by three.

Texas Commission on Environmental Quality

Attachment 2

Timer WS
PWS ID No. 1810170
Investigation No. 1967885

Exit Interview Forms

TCEQ EXIT INTERVIEW FORM: Potential Violations and/or Records Request

Regulated Entity/Site Name	Timer WS				**TCEQ Add. ID No. RN No (optional)**	1810170	
Investigation Type	CCI	**Contact Made In-House (Y/N)**	N	**Purpose of Investigation**			
Regulated Entity Contact				**Telephone No.**		**Date Contacted**	
				FAX #/Email address		**FAX/Email date**	

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and *does not represent final TCEQ findings related to violations*. Any potential or alleged violations discovered after the date on this form will be communicated to the regulated entity representative prior to the issuance of a notice of violation or enforcement. Conclusions drawn from this investigation, including additional violations or potential violations discovered (if any) during the course of this investigation, will be documented in a final investigation-report.

Issue		**For Records Request, identify the necessary records, the company contact and date due to the agency. For Alleged and Potential Violation issues, include the rule in question with the clearly described potential problem. Other type of issues: fully describe.**	
No.	**Type[1]**	**Rule Citation (if known)**	**Description of Issue**
1	RR	Record Request	Submit the following documentation to the Beaumont Regional Office within 14 days: the total connection count that includes active and inactive connections, information regarding if an Operator Notice Form was submitted to the PWS Inventory Team during 2023, a copy of the plant operations manual, a copy of the July 7, 2000 Sanitary Control Easement Exception, copies of the 2022 and 2023 Tank Inspection Forms for the two 525-gallon pressure tanks, information regarding if any CSIs have been conducted since 2016, the 2021, 2022, and 2023 backflow test forms (if applicable), the Certificates of Analysis for the low range and mid-range DPD-chlorine secondary standards used by the water system to conduct chlorine analyzer accuracy checks, the accuracy check records for the chlorine analyzer he uses to record the free chlorine residuals on the water system's bacteriological sample forms, information regarding how the water system provides the full Boil Water Notice language to customers, a copy of the October 2023 distribution disinfectant residuals records (the one provided is identical to the September 2023 distribution disinfectant residual record), and all of the documentation the water system maintains to show that they are following the contingencies of the August 25, 2014 Alternative/Innovative Treatment Exception, including documentation showing that the water system provides equipment for operators to verify the temperature, pH, and total arsenic levels in the water at different stages of treatment; documentation showing that the water system conducts a visual inspection of the filter media annual as specified in 30 TAC 290.46(m)(2); records of any media addition or replacement; records of chemical doses and arsenic monitoring; documentation showing that the water system provides flow-measuring devices on each vessel in accordance with manufacturer's specifications; records showing that the arsenic filter's flow measuring device is calibrated at least once every 12 months. Please note that this flow measuring device is not equivalent to the water system's well meter according to the exception letter. Please provide clarification if the water system does not maintain copies of any of these records.
2	AV	290.46(l) Or 290.46(f)(3)(A)(iv) (Noted and Resolved)	Either "Failure by Blue Topaz Utilities Timer WS to flush all dead-end mains on a monthly basis" or "Failure by Blue Topaz Utilities Timer WS to maintain a complete record of the dates that dead-end mains were flushed." During the investigation, it was noted that 285 Dorris was not indicated as being flushed during June 2023. During the investigation, it was noted that 285 Doris has been flushing since July 2023. (The water system needs to clarify if this flush valve was not flushed or if it was flushed and a record of the date when it was flushed was not maintained.)

3	AV	290.46(f)(3)(A)(ii)(III)	Failure by Blue Topaz Utilities – Timer WS to maintain a complete record of the amount of water is used each week. During the investigation, it was noted that the water system recorded "0 inches" for of the amount of water that was used on December 5, 2022. The water system did not make any indication that this plant was offline during this time. During the investigation, it was noted that the water system has maintained a weekly record of the amount of water since December 12, 2022. (Please clarify if the water system maintained a record of the amount of water used between December 1 through 12, 2022.)
4	AV	290.46(f)(3)(A)(i)(III)	Failure by Blue Topaz Utilities – Timer WS to maintain a complete record of the amount of each chemical is used each week. During the investigation, it was noted that the water system recorded "0 inches" for of the amount of both sodium hypochlorite and polyphosphate that was used on December 5, 2022. Other examples of the water system also recording "0 inches" for sodium hypochlorite are November 14 through 20, 2023 and January 26 through 31, 2024. Other examples of the water system also recording "0 inches" for polyphosphate are November 7 through 13, 2023 and January 26 through 31, 2024. Please note that these are not the only times this occurred. The water system did not make any indication that this plant was offline during this time. (Please clarify if the water system maintained a record of the amount of sodium hypochlorite and polyphosphate used between December 1 through 12, 2022.)
5	AI/PV	Additional Issue/ Potential Violation	During the investigation, it was noted that there were occasions when the water system recorded negative values for the amounts of water and chemicals used, which appears to be due to the amounts recorded for the well meter readings and chemical storage tank levels that the water system recorded in their digital records. Please note that the water system's digital records showed very different well meter readings from August 31 through September 3, 2023, September 15 through 21, 2023, November 13, 2023, and December 8, through 27, 2023. It is suggested that the water system monitors their data to ensure that the values being recorded in their digital records are correct. (Does the water system have any clarification information regarding the negative values recorded for water and chemical usages?)
6	AV	290.121(a) 290.121(b)(1) 290.121(b)(2) 290.121(b)(4) 290.121(b)(5) 290.121(b)(6)	Failure by Blue Topaz Utilities – Timer WS to maintain a complete and up-to-date monitoring plan. During the investigation, it was noted that the raw water sampling section of the water system's monitoring plan states that the water system is required to collect a raw water sample from Well No. 1; however, they do not list the frequency, method, laboratory information, and compliance calculations for the raw water sampling that is required to be conducted each month from Well No. 1 (G1810170A). The monitoring plan also stated that they collected lead and copper samples on an annual basis while the water system is required to collect five routine samples every three years.
7	AV	290.46(f)(3)(B)(iii) or 290.110(c)(4)(A)	Either "Failure by Blue Topaz Utilities Timer WS to maintain a complete record of the disinfectant residual monitoring results from the distribution systems" or "Failure by Blue Topaz Utilities Timer WS to collect a disinfectant residual at representative locations within the distribution system at least once every seven days. During the investigation, it was noted that the water system exceeded the seven day requirement for the during the following timeframes according to the water system's distribution disinfectant residual records: February 27 through March 24, 2024, March 31 through April 12, 2023, May 11 through 24, 2023, June 26 and July 7, 2023, January 3 through 11, 2024, and January 17 through 25, 2024. (Which violation is applicable for this situation?)