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

Regulated Entity/Site Name	Deer Run			**TCEQ Add. ID No. RN No. (optional)**	PWS ID No. 1700700	
Investigation Type	MODCCI	**Contact Made In-House (Y/N)**		**Purpose of Investigation**	Compliance Investigation	
Regulated Entity Contact	Ms. Karla Langreder		**Telephone No.**		**Date Contacted**	09/12/2023
Title	Office Manager		**Email Address:**		**Date Emailed**	

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 d*oes not represent final TCEQ findings related to violations*. Any potential or alleged violations discovered after the date on this form will be communicated by telephone 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	AV	290.46(m)	Failure to properly maintain the good working condition and general appearance of the system's facilities and equipment. At the time of the investigation, it was noted there was vegetation overgrown in multiple places along the fence.
2			
3			

Issue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request)

Did the TCEQ document the regulated entity named above operating without proper authorization?	❑ Yes	☒No
Did the investigator advise the regulated entity representative that continued operation is not authorized?	❑ Yes	☒No

Document Acknowledgment. Signature on this document establishes only that the regulated entity (company) representative received a copy of this document and associated continuation pages on the date noted. If contact was made by telephone, document will be faxed to regulated entity; therefore, signature not required.

Madeline Rozycki	09/26/2023		
Investigator Name (Signed & Printed)	**Date**	**Regulated Entity Representative Name (Optional)**	**Date**

If you have questions about any information on this form, please contact your local TCEQ Regional Office.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512-239-3282.

Attachment 3

Madeline Rozycki

From: Madeline Rozycki
Sent: Tuesday, October 10, 2023 4:01 PM
To: [redacted]
Subject: Revised Exit Interview for Deer Run PWS
Attachments: Revised Exit Interview Form_Deer Run.docx

Good Afternoon,

Please find the attached **Revised** Exit Interview Form (EIF) relating to the Compliance Evaluation Investigation conducted on September 26, 2023, at the above referenced facility.
The EIF: Potential Violations and/or Records Request is being provided as an attachment to this email to ensure that the issues were communicated clearly during the exit interview at the time of the investigation.

The following are being provided as attachments to this email:
• TCEQ Exit Interview Form
• The TCEQ Has Inspected Your Business- Publication (below the signature)

The investigation is considered ongoing until the final approval letter is delivered to you. Having mentioned that, anything that is found by reviewing all the paperwork will be noted on the investigation report. This EIF is not final. If there are questions about the information contained in the form, contact me as soon as possible.

Please reply to this email, with the attachment, to indicate your receipt.

Thank you,

Madeline Rozycki
Environmental Investigator
TCEQ - Region 12 - Public Water Supply
5425 Polk Street, Suite H
Houston, Texas 77023
Phone: 713-767-3598
Madeline.rozycki@tceq.texas.gov

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

Regulated Entity/Site Name	Deer Run			**TCEQ Add. ID No. RN No. (optional)**	PWS ID No. 1700700	
Investigation Type	MODCCI	**Contact Made In-House (Y/N)**		**Purpose of Investigation**	Compliance Investigation	
Regulated Entity Contact	Ms. Karla Langreder		**Telephone No.**		**Date Contacted**	09/12/2023
Title	Office Manager		**Email Address:**		**Date Emailed**	

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 d*oes not represent final TCEQ findings related to violations*. Any potential or alleged violations discovered after the date on this form will be communicated by telephone 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	AV	290.46(m)	Failure to properly maintain the good working condition and general appearance of the system's facilities and equipment. At the time of the investigation, it was noted there was vegetation overgrown in multiple places along the fence.
2	AV	290.121(a)	Failure to maintain an up-to-date chemical and microbiological monitoring plan. At the time of the investigation, the Monitoring Plan submitted via email, was dated January 31, 2010. Specifically, section D of the monitoring plan, please update the equipment listed to match what is onsite at the water plant, as well as updating the schematic of the water plant.
3			

Issue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request)

Did the TCEQ document the regulated entity named above operating without proper authorization?	❑ Yes	☒No
Did the investigator advise the regulated entity representative that continued operation is not authorized?	❑ Yes	☒No

Document Acknowledgment. Signature on this document establishes only that the regulated entity (company) representative received a copy of this document and associated continuation pages on the date noted. If contact was made by telephone, document will be faxed to regulated entity; therefore, signature not required.

Madeline Rozycki	10/10/2023		
Investigator Name (Signed & Printed)	**Date**	**Regulated Entity Representative Name (Optional)**	**Date**

If you have questions about any information on this form, please contact your local TCEQ Regional Office.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call 512-239-3282.

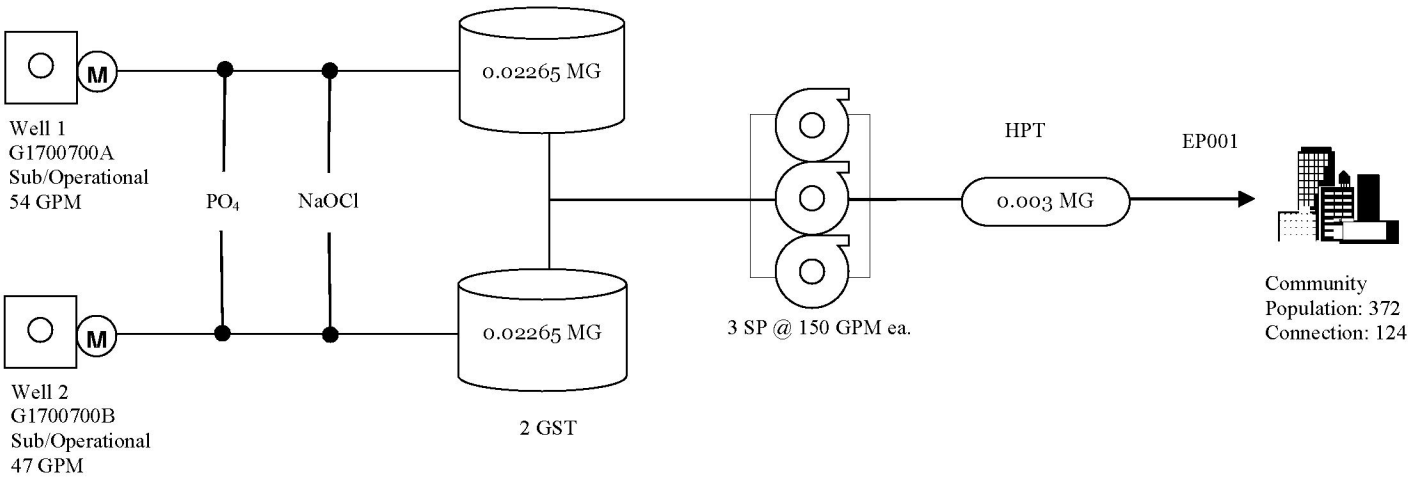
Attachment 4

PWS - SYSTEM FLOW DIAGRAM

Name of System:	Deer Run		Additional ID:	1700700
Investigation #:	1929779	Investigation Date:	September 26, 2023	

Description of Sources, Treatment, Entry Points and Distribution
Labeling: owner's source names and TCEQ wtrsrc code designation, types of treatment and chemicals, entry points to distribution, entry point sample taps, booster disinfection, distribution connections and layout (if possible).

Plant No. 1 is located at 10550 Fawn Mist Drive



Attachment 5

TCEQ DWW Water System Summary V3

PWS ID	PWS Name	Central Reg RN
TX1700700	DEER RUN	RN102673027

Organization / Customer	Central Reg RN
T & W WATER SERVICE COMPANY	CN601363005

TX1700700

All Water System Contacts

DEGEYTER, DEANNA ADDR1 PO BOX 2927

JOBTITLE GENERAL MANAGER CONROE TX 77305-2927

POC_TYP_LIST	PURPOSE_CODE	PHONE_NUMBER	EXT
EC , AC	BUS	936-756-7400	
EC , AC	CRC EMAIL		
EC , AC	FAX	866-422-8519	
EC , AC	MOB	281-455-5676	

LANGREDER, KARLA ADDR1 PO BOX 2927

JOBTITLE OFFICE MANAGER CONROE TX 77305-2927

POC_TYP_LIST	PURPOSE_CODE	PHONE_NUMBER	EXT
PWS, ECS	BUS	936-756-7400	
PWS, ECS	CRC EMAIL		
PWS, ECS	MOB	409-770-4296	

T & W WATER SERVICE COMP ADDR1 PO BOX 2927

JOBTITLE CONROE TX 77305-2927

POC_TYP_LIST	PURPOSE_CODE	PHONE_NUMBER	EXT
OW			

OWNER TYPE Investor Owned

TX1700700

Population Type	Population Served	# of Connections
Residential	372	124
TOTAL	372	124

INTERCONNECTIONS

TX1700700

Purchases (Buys From)

Wholesales (Sells To)

WATERTYPE	GW	PURCHASEFLAG	
SYSTEM_TYPE	COMMUNITY	ACTIVITY STATUS	A

TOTAL PRODUCT	AVG DAILY USG	MAX DAILY DMD	TOT STORG MSR
0.145			0.045
UNITS	UNITS	UNITS	UNITS
MGD			MG

TOTL ELEV STORG	SERV PUMP CAP	MAX PURCH CAP FLOW RATE	TOTAL PRES TANK CAP
	0.648		0.003
UNITS	UNITS	UNITS	UNITS
	MGD		MG

Number of Treatment Plants 1

ACTIVE SOURCES for treatment plants

Source Number	SOURCE NAME	Activity Status	Oprtnl Status	SOURCE TYPE	WELL DEPTH	TESTED FLOW RATE	RATED FLOW RATE
G1700700A	1 - 10550 FAWN MIST	A	P	G	535	54 GPM	63 GPM

Drill Date	SOURCE SUMMATION	Plant Num	TYPE CODE
05/16/2002	EVANGELINE	TP19650	WL

GPS Latitude	GPS Longitude	GPS ELEVATION	GPS DATE	SELLER PWS ID
30.375885	-95.407316	0	05/21/2008	Not Purchasing

Source Number	SOURCE NAME	Activity Status	Oprtnl Status	SOURCE TYPE	WELL DEPTH	TESTED FLOW RATE	RATED FLOW RATE
G1700700B	2 - 10550 FAWN MIST	A	P	G	536	47 GPM	70 GPM

Drill Date	SOURCE SUMMATION	Plant Num	TYPE CODE
03/08/2006	EVANGELINE	TP19650	WL

GPS Latitude	GPS Longitude	GPS ELEVATION	GPS DATE	SELLER PWS ID
30.375846	-95.407258	0	05/21/2008	Not Purchasing

TREATMENT PLANT

ENTRY PNT	EP Name, Source,Status	Plant Name & Status	Plant Num
EP001	TRT-TAP / Ground Water / A	PLANT - 10550 FAWN MIST (A)	TP19650

parts in red are hard coded

Chemical Mon Type	Chemical Sample Point	Distribution Mon Type	Distribution Sample Point
	NO		NO

TREATMENTS

TRAIN Unnamed PLANT NUM TP19650

Disinfection Zone	Treatment Sequence	OBJ CD	OBJECTIVE	Process	Treatment
null	null	D	DISINFECTION	423	HYPOCHLORINATION, PRE
null	null	M	MANGANESE REMOVAL	680	SEQUESTRATION
null	null	F	IRON REMOVAL	680	SEQUESTRATION

PUMPS

PUMP_ID	PUMP_NAME	FACILITY TYPE	ACTIVITY STATUS	AVAIL ABILITY	FLOW RATE NAME	TESTED FLOW	TESTED UOM
PF2259	10550 FAWN MIST - 150 GPM - SP	PF	A	P	SPCP	150	GPM
PF2260	10550 FAWN MIST - 150 GPM - SP	PF	A	P	SPCP	150	GPM
PF2261	10550 FAWN MIST - 150 GPM - SP	PF	A	P	SPCP	150	GPM

STORAGE TANKS

TANK_ID	TANK_NAME	TANK TYPE	ACTIVITY STATUS	AVAIL ABILITY CODE	STOR AGE TYPE	CON STR MATRL TP	MEASURE QUANTITY	UOM	MEASURE NAME
ST2472	10550 FAWN MIST - 0.003 MG - HD	ST	A	P	HD	ST	0.003	MG	CAP
ST2473	10550 FAWN MIST - 0.02265 MG - GR	ST	A	P	GR	ST	0.023	MG	STC
ST2474	10550 FAWN MIST - 0.02265 MG - GR	ST	A	P	GR		0.023	MG	STC

END OF REPORT

Attachment 6

Capacity Calculations Worksheet

Community Systems (Groundwater)

Fill in green cells only

System Name: Deer Run

PWS ID: 1700700 Inv. No.: 1929779

Community (Y/N)	Y	Maximum Daily Demand (MDD):	MGD
MHP (≥ 8 units/ac) or Apts? (Y/N)	N	Average Daily Demand (ADD):	290.38(43)
CCN? (Y/N)	Y		
		MDD Date (mm/dd/yyyy):	
Number of Connections	124	ADD Dates (mm/dd/yyyy):	to
Population	372		

	Rate	Units	Conn.	Required	Units	Provided	85% Rule	% Short	Sufficient?(Y/N)
Prod. Capacity:	0.6	gpm/conn	124	74.4	gpm	101	74%	N/A	Y
Production ACR:		gpm/conn							
Pressure Storage (HD):	20	gal/conn	124	0.00248	MG	0.003	83%	N/A	Y
HD ACR:		gal/conn							
Elevated Storage (EL):	0	gal/conn	124	0	MG		N/A	N/A	Meets HD req.
EL ACR:		gal/conn							
Ground Storage (GR):						0.0453			
Total Storage*:	200	gal/conn	124	0.0248	MG	0.0453	55%	N/A	Y
Tot. Storage ACR:		gal/conn							
	*Total Storage = GR + EL + ST								
SP Capacity:	2	gpm/conn	124	248	gpm	450	55%	N/A	Y
SP ACR:		gpm/conn							
SP Capacity:	(w/largest pump out of service)				gpm				
SP Peaking Factor:	N/A	-	124	0	gph	0	N/A		N/A

Bacti Samples:

	Required	Submitted
Distribution	1	1
Raw		

Wholesale Contract? (Y/N)	N	
Maximum Purchase Rate?		MGD

Capacity Calculations Worksheet

System Name: Deer Run

PWS ID: 1700700 Inv. No.: 1929779

Additional Comments:

Attachment 7

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #1

Description: This photograph shows the general area of Well #1, G1700700A.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #2

Description: This photograph shows the general area of Well #2, G1700700B.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

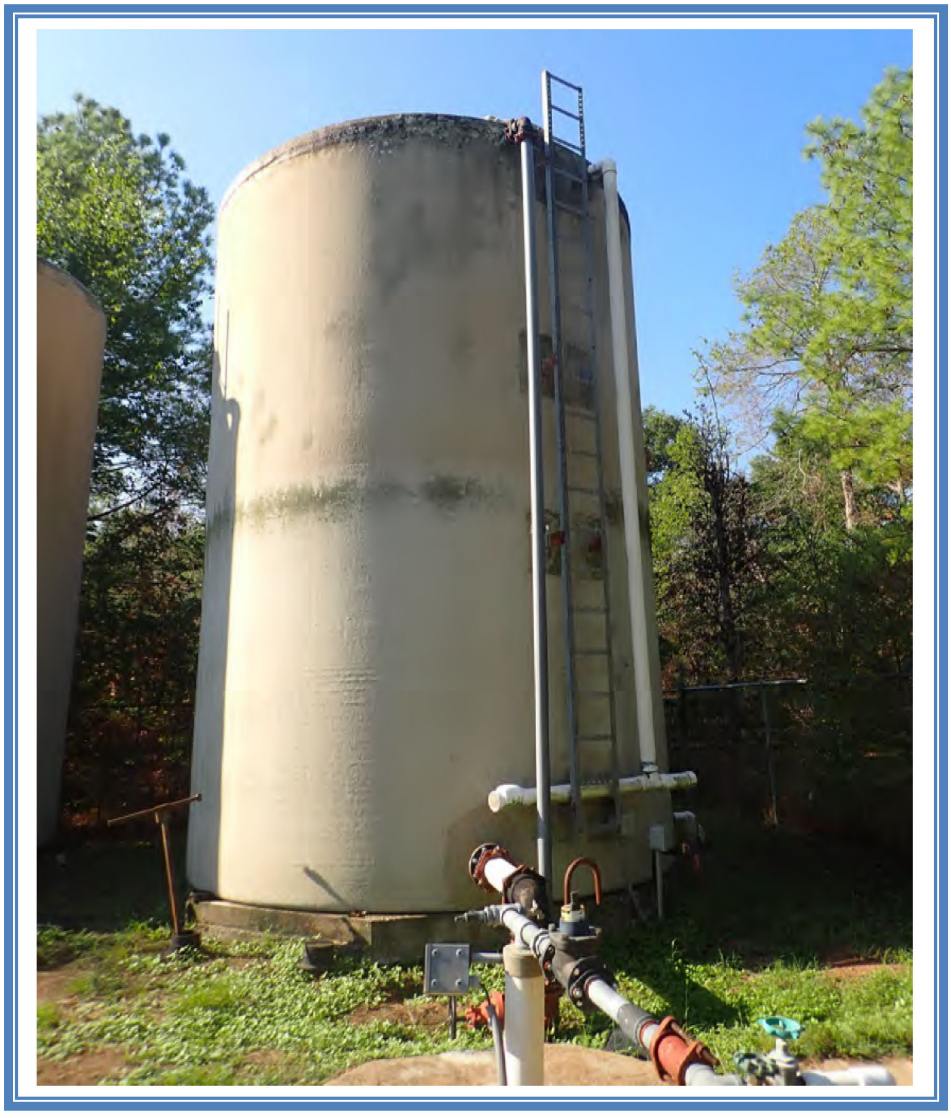
PHOTOGRAPH #3

Description: This photograph shows the chemical storage with containment.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023



PHOTOGRAPH #4

Description: This photograph shows the front side of Ground Storage Tank No. 1 (22,560-gallon)

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #5

Description: This photograph shows the back side of Ground Storage Tank No. 1 (22,560-gallon)

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #6

Description: This photograph shows the front side of Ground Storage Tank No. 2 (22,560-gallon)

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #7

Description: This photograph shows the back side of Ground Storage Tank No. 2 (22,560-gallon)

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #8

Description: This photograph shows the 3,000-gallon pressure tank from all sides.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #9

Description: This photograph shows the 3 service pumps, rated at 150 gallons per minute (gpm) each.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #10

Description: This photograph shows the flush valve in distribution where the chlorine residual was monitored, located on the 10800 block of Northridge Drive.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #11

Description: This photograph shows the color of the water collected from the flush valve in distribution located on the 10800 block of Northridge Drive.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #12

Description: This photograph shows the free chlorine residual of 1.74 milligrams per liter (mg/L). This reading is compliant.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #13

Description: This photograph shows faucet where the pressure was monitored from a residence in distribution, located on the 10800 block of Northridge Drive. This pressure reading is used for informational purposes only.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #14

Description: This photograph shows the pressure of 68 pounds per square inch (psi), monitored from a residence in distribution, located on the 10800 block of Northridge Drive. This pressure reading is used for informational purposes only.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #15

Description: This photograph shows the vegetation overgrown on the fence surrounding the water plant.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #16

Description: Description: This photograph shows the vegetation overgrown on the fence surrounding the water plant.

Photograph taken by Investigator Madeline Rozycki

Investigation Photographs

Deer Run
10550 Fawn Mist Drive
Conroe (Montgomery County), Texas
Regulated Entity No: 102673027
TCEQ PWS ID No: 1700700
Investigation Date: September 26, 2023

PHOTOGRAPH #17

Description: Description: This photograph shows the vegetation overgrown on the fence surrounding the water plant.

Photograph taken by Investigator Madeline Rozycki

Attachment 8

Madeline Rozycki

From: Karla Langreder
Sent: Monday, September 25, 2023 2:09 PM
To: Madeline Rozycki
Cc: Kevin Maloney; Kyle Langreder
Subject: RE: [Ext] TCEQ Compliance Investigation - Deer Run (PWS id 1700700)
Attachments: 9-26-23 Required records list - DEERR.pdf; Deer Run - Monitoring Plan.pdf; Distribution System Maps.pdf; CSI's - Deer Run.pdf; DLQOR - Q3 2022 - Q2 2023.pdf; Emergency Power - Alternate Power Source Maintenance Records.pdf; EPP - Deer Run - Revised - 9-14-2023.pdf; Field Logs.xlsx; Flushing Logs.xlsx; General Information.pdf; Licensed Operators.pdf; Water Letter Agreements - Deer Run.pdf

Good afternoon,

Please find attached documentation for tomorrow's CCI at Deer Run PWS 1700700.
Kevin Maloney WG0016921 will be meeting with you for this inspection. His contact phone number is 832-515-8952.

Please let me know if you need anything else.

Kindest Regards,

Karla Langreder

Blue Topaz UTILITIES™

Office Manager
409-770-4296 cell
936-756-7400 office
12284 FM 3083
Conroe, TX 77301
www.bluetopazutilities.com

From: Deanna Degeyter [redacted]
Sent: Wednesday, September 13, 2023 8:49 AM
To: Madeline.Rozycki@tceq.texas.gov
Cc: Kevin Maloney [redacted]; Karla Langreder >; Kyle Langreder [redacted]>
Subject: FW: [Ext] TCEQ Compliance Investigation - Deer Run (PWS id 1700700)

Good morning,

We will get to work on this and send you the information as soon as we can.

Sincerely,
Deanna Degeyter
General Manager

Blue Topaz UTILITIES™

From: Madeline Rozycki <Madeline.Rozycki@tceq.texas.gov>
Sent: Tuesday, September 12, 2023 4:47 PM
To: Deanna Degeyter [redacted]
Subject: [Ext] TCEQ Compliance Investigation - Deer Run (PWS id 1700700)

Good afternoon Ms. Deanna,

Please read the following email in its entirety.

This is a confirmation email of our phone conversation regarding the Comprehensive Compliance Investigation (CCI) at Deer Run (PWS ID 1700700), we will meet at 9:30am the water plant located at 10550 Fawn Mist Dr. on September 26, 2023. this is a routine inspection for all public water systems. The CCI will consist of a site inspection and record review.

- Please have the applicable records from the **attached list** available during the inspection. It will reduce the time to conduct the inspection if the records have already been pulled from your files, are clearly labeled, and there is adequate workspace where I can review them. Please note that the unavailability of records is a violation of the TCEQ rules. To resolve the alleged violation, you will be required to compile and send us complete copies of any missing records.

- Effective June 1, 2001, TCEQ rules required that either the water system's chief certified operator or certified operator in charge be present for scheduled agency investigations. If you are not the certified operator or if you use a contract operator, please make sure the operator and any records normally in their possession are present for the inspection.

- I will need to check the actual well output in gallons per minute (GPM) during the investigation, so please make sure you know how to manually turn on the well(s) and other related appurtenances (e.g. service pumps).

- I highly encourage you and/or your operator to do a self-investigation prior to our scheduled investigation.

- The self-investigation is important since some repeat items can trigger automatic enforcement, possibly resulting in fines. In addition, the elimination of easily fixed minor deficiencies, such as missing vent screens, hatch locks, wellhead caulking, fences (vines on

barbed wire, overhanging tree limbs, gaps under), etc. prior to the inspection will reduce your administrative load since the correction of each item in our investigation report must be documented with some proof, such as photograph of the corrected item or copies of documents.

- Have at least one year of monthly operating report records (amount of water treated, amount of chemicals used, chlorine logs, DLQORs, bacteriological sample results, etc.) from the month before through the past twelve months.

Please let me know that you have received this email, need additional templates or guidance that I may provide prior to the investigation or if you have any questions.

Thank you,

Madeline Rozycki
Environmental Investigator
TCEQ - Region 12 - Public Water Supply
5425 Polk Street, Suite H
Houston, Texas 77023
Phone: 713-767-3598
Madeline.rozycki@tceq.texas.gov
How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

TCEQ RECORDS REQUIRED TO BE AVAILABLE AT THE TIME OF A PUBLIC WATER SYSTEM INVESTIGATION DEER RUN PWS 1700700

This document is designed as a general guidance for Public Water Systems of all types of sizes. Some records may or may not be applicable for your specific system.

A. Groundwater Systems

1. General Information (Responsible Official, Physical Location and Mailing Address) ATTACHED
2. Connections and Population - 290.38(15) 124 connections
   - Number of retail meters 0
   - Number of master meters (apartments & mobile homes) 0
   - Number of equivalent living units (individual apartment units & mobile homes) 0
   - Population served 372
3. Pressure Planes (if >1, determine the total number of connections & meters for each plane)–290.45(a)(1) 1
4. Purchase water contact(s)/letter/memorandum of understanding (must specify maximum purchase rate) – 290.45(f)(1-7) NA
5. Wholesale contract(s) /letter/memorandum of understanding (must specify maximum purchase rate) – 290.45(e)(1-2) NA
6. List of Certified Operators (including Water Operators, Backflow Prevention Assembly Testers, Customer Service Inspectors, Plumbing Inspectors or Water Supply Protection Specialist endorsement, if appropriate) – 290.46(e), 290.46(p)(2), and form located in 290.47(g) ATTACHED
7. Monthly Reports of Water Works Operation, including: - 290.46(f)(3)(E)(i) FIELD LOGS ATTACHED
   - Records of amount of water utilize usage for past 12 months – 290.46(f)(3)(A)(ii)
   - Maximum day water usage for past 12 months (date and amount)
8. Amount and type of chemicals used – 290.46(f)(3)(A)(i) CHLORINE&POLYPHOSPHATE-INFO ATTACHED ON
9. Flushing Log – 290.46(l) and 290.46(f)(3)(A)(iv) ATTACH ED FIELD LOGS
10. Distribution system map – 290.46(n)(2)ATTACHED
11. Equipment capacities – 290.45(b-f) INFO ON EPP& MONITORING PLAN ATTACHED
    - Well pumps 2 WELL PUMPS 51 gpm AND 47 gpm
    - Service/filter/transfer pumps
    - Ground storage 2 GST= 22,650 tanks
    - Elevated storage and height of tank overflow
    - Pressure tanks 1 -3000 gal
12. Verification of adopted Plumbing Code, Ordinance or Service Agreement (with enforceable provisions for cross connections or unacceptable plumbing practices) – 290.46(i) ATTACHED
13. "Customer Service Inspection" forms (if new connections were added since the last inspection or if other conditions which required CSIs occurred) – 290.46(f)(3)(E)(iv) and 290.46(j) ATTACHED
14. "Backflow Prevention Assembly Test and Maintenance Report" forms (if potential hazards exist, i.e. connections to wastewater treatment plant, cattle troughs, irrigation using fertilizers, rainwater harvesting, etc.) – 290.44 (h) and 290.44(h)(1)(B)(ii)
15. Documentation of TCEQ Plan Review approval for new wells, treatment facilities, and storage tanks (if any major new system components were added since last inspection) 290.39(h, i and j)
16. Chlorine residual monitoring records and Disinfectant Level Quarterly Operating Reports 290.46(f)(3)(B)(iii) and 290.110(e)(4) ATTACHED
17. Exception(s) /Alternative capacity requirement(s) (including any records required for exception(s)) – 290.39(l) and 290.45(g)
18. Emergency Power/Alternate Source (for generator(s) provide maintenance records)– 290.45(b)(1)(D)(v), 290.45(b)(2)(H) or 290.45(e)(3) ATTACHED
19. Emergency Preparedness Plan - 290.39(o) PENDING APPROVAL - ATTACHED
20. Implementation of EPP - 290.45(h)(1)(A-H)

Points of Contact Information

Administrative Contact

The administrative contact is the highest-ranking official such as Mayor, company president or director, etc.

Name	DEANNA DEGEYTER
Mailing Address	PO BOX 2927
City, State	CONROE, TEXAS 77305
Phone & Ext.	281-455-5676
Email	[redacted]

Owner/Legal Entity Contact

The legal owner is an individual, corporation, partnership, association, state subdivision, or other legal entity.

Name	T & W WATER SERVICE dba BLUE TOPAZ UTILITIES
Mailing Address	PO BOX 2927
City, State	CONROE, TEXAS 77305
Phone & Ext.	936-756-7400
Email	info@bluetopazutilities.com

Public Water System Contact

The public water system contact should be someone the TCEQ can contact in an emergency or at any time.

Name	KARLA LANGREDER
Mailing Address	PO BOX 2927
City, State	CONROE, TEXAS 77305
Phone & Ext.	409-770-4296
Email	[redacted]

T&W Water Service Company
List of Licensed Operators

Licensed Operators

Lucio Ayala	D Water	WO0021246
Kevin Maloney	C Water	WG0016921
Jordan Davis	C Water	WG0012850
Harry Bradford	D Water	WO0048974
Tyler Schneider	D Water	WO0051772
Nathan Clark	D Water	WO0046989
	C Wastewater	WW0069590
Charlie Adams	B Surface Water	WS0000698
	A Wastewater	WW0009104
Karin Warren	D Water	WO0047437
	A Wastewater	WW009104
	Backflow BPAT	BP0018424

CSI & Plumbing Inspector

Harold Seale
CI0005025
ICC 5221114

MONITORING PLAN FOR

T&W WATER SERVICE COMPANY

DEER RUN

DATE OF MONITORING PLAN: JANUARY 31, 2010

PWS ID# 1700700 - MONTGOMERY COUNTY, TEXAS

RESPONSIBLE OFFICIAL: DEANNA DEGEYTER, GENERAL MANAGER

WATER SUPPLY CONTACT: KARLA LANGREDER, OFFICE MANAGER

936-756-7400

P.O. BOX 2927

CONROE, TX 77305-2927

T&W WATER SERVICE COMPANY OWNS AND OPERATES ONE GROUNDWATER WELL IN THE RANCH. THE WATER SYSTEM SERVES 372 PEOPLE WITH 124 CONNECTIONS.

A. RAW WATER SAMPLING

WE ARE NOT REQUIRED TO COLLECT RAW WATER SAMPLES.

B. IN-PLANT SAMPLING

WE HAVE NO TREATMENT OTHER THAN CHLORINATION. WE USE HYPOCHLORITE TO DISINFECT THE WATER.

C. ENTRY POINT SAMPLING

ENTRY POINT	SAMPLE SITE	SOURCE	PLANT NAME
EP 001	SAMPLE TAP ON PRESSURE TANK	GULF COAST AQUIFER	WELL 1

1. DISINFECTANT ENTERING THE DISTRIBUTION SYSTEM

OUR SYSTEM USES FREE CHLORINE IN THE DISTRIBUTION SYSTEM.

A. *FREQUENCY: GROUNDWATER SYSTEMS ARE NOT REQUIRED TO MONITOR DISINFECTANT AT THE ENTRY POINT.*

B. *COMPLIANCE CALCULATIONS: THE SYSTEM IS IN COMPLIANCE IF THE FREE CHLORINE RESIDUAL ENTERING THE DISTRIBUTION SYSTEM IS OVER 0.2 MG/L.*

2. Organic Chemicals, Inorganic Chemicals, and Radiochemicals

a. Frequency: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in the sampling schedule are attached to the back of this monitoring plan.

b. Location: The contaminant concentrations for the entry point are measured at the sample tap on the storage tank.

c. Method: Samples are sent to a certified lab (LCRA) by the TCEQ's sampling contractor.

d. Compliance calculations: If the concentrations of contaminants are less than the regulatory maximum contaminant levels, our system is in compliance. The TCEQ will inform us of violations. Copies of any letters informing us of violations will be attached in the back of this monitoring plan.

3. Chlorine Dioxide

We don't use chlorine dioxide.

4. Chlorite

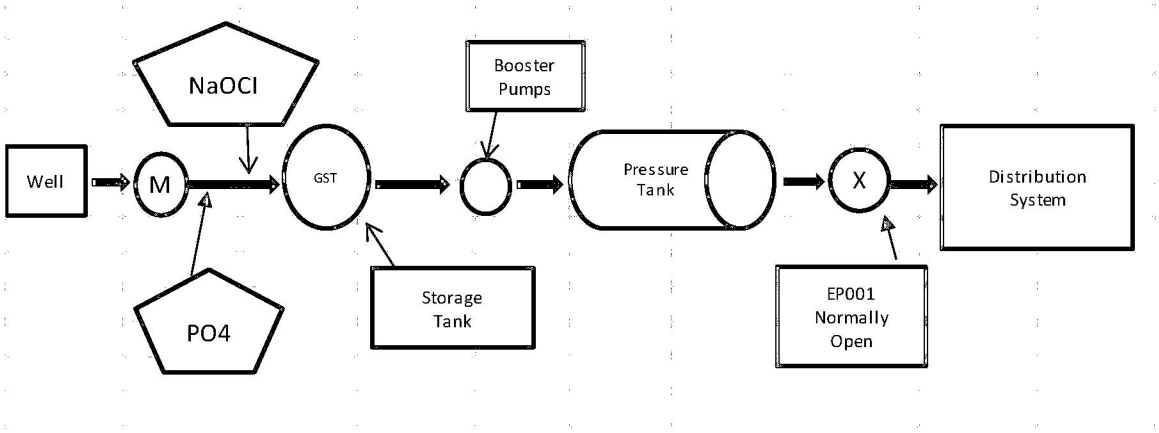
We don't use chlorite.

5. Bromate

We don't use ozone.

D. DISTRIBUTION SYSTEM SAMPLING

The distribution system consists of 50 connections. The system has one well. The water is disinfected with free chlorine. It is stored in the storage tank, and then pumped to the pressure tank, then to the connections in the distribution system.



1. Coliform Samples

a. Frequency: We collect one coliform sample on the first Monday of each month, so we have time to do repeats, if necessary. We rotate through the sample sites below

b. Location: The sample is taken from the outside tap on the following units:

1. 10592 Fallow Lane
2. 10551 Fawnmist Dr.
3. 10505 Fawnmist Ct.
4. 10601 Fawnmist Dr.
5. 10561 Fallow Lane

c. Method: Coliform samples are sent to a nearby lab:
NWDLS – North Water District Lab Services
130 S Trade Center Pkwy, Conroe TX
936-321-6060

d. Compliance calculations: The system is in compliance if:
- no repeat samples are fecal or E. coli positive,
- no repeat following a fecal or E. coli positive routine sample is positive for total coliform,
- no more than one of the routine samples are total coliform positive and none of the repeats are fecal or E. coli positive.

2. Disinfectant Residual—Free Chlorine

a. Frequency: The disinfectant residual is measured at the same time as microbial samples. The disinfectant residual is also measured once every seven days, rotating through the sample sites.

b. Location: The disinfectant residual is measured at the same place the microbial sample is taken, plus four additional sites representing the whole distribution system. The other sites are the same outside taps on page 2 for the coliform sample sites.

c. Method: Chlorine is measured using a colorimeter/DPD; Hach Pocket colorimeter.

d. Compliance calculations: The system is in compliance with the minimum residual requirement if the free chlorine residual throughout the distribution system is always greater than 0.2 mg/L.
The system is in compliance with the maximum residual disinfectant level (MRDL) if the running annual average

of all samples taken in the distribution system in less than 4.0 mg/L.

3. Disinfection Byproducts (DBPs)—TTHM and HAA5

a. Frequency: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in sampling schedule are attached to the back of this monitoring plan.

b. Location: The sample is collected from the outside tap on Unit 15.

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

d. Compliance calculations: The system is in compliance if the running annual average of all samples is less than the maximum contaminant level. The TCEQ will notify us of any violation.

4. Lead-Copper

Our system has received an "all plastic waiver" from the TCEQ and will no longer be sampled for lead or copper.

5. Asbestos

The TCEQ has assessed our system and determined that we have no asbestos concrete pipe.

6. Chlorine Dioxide

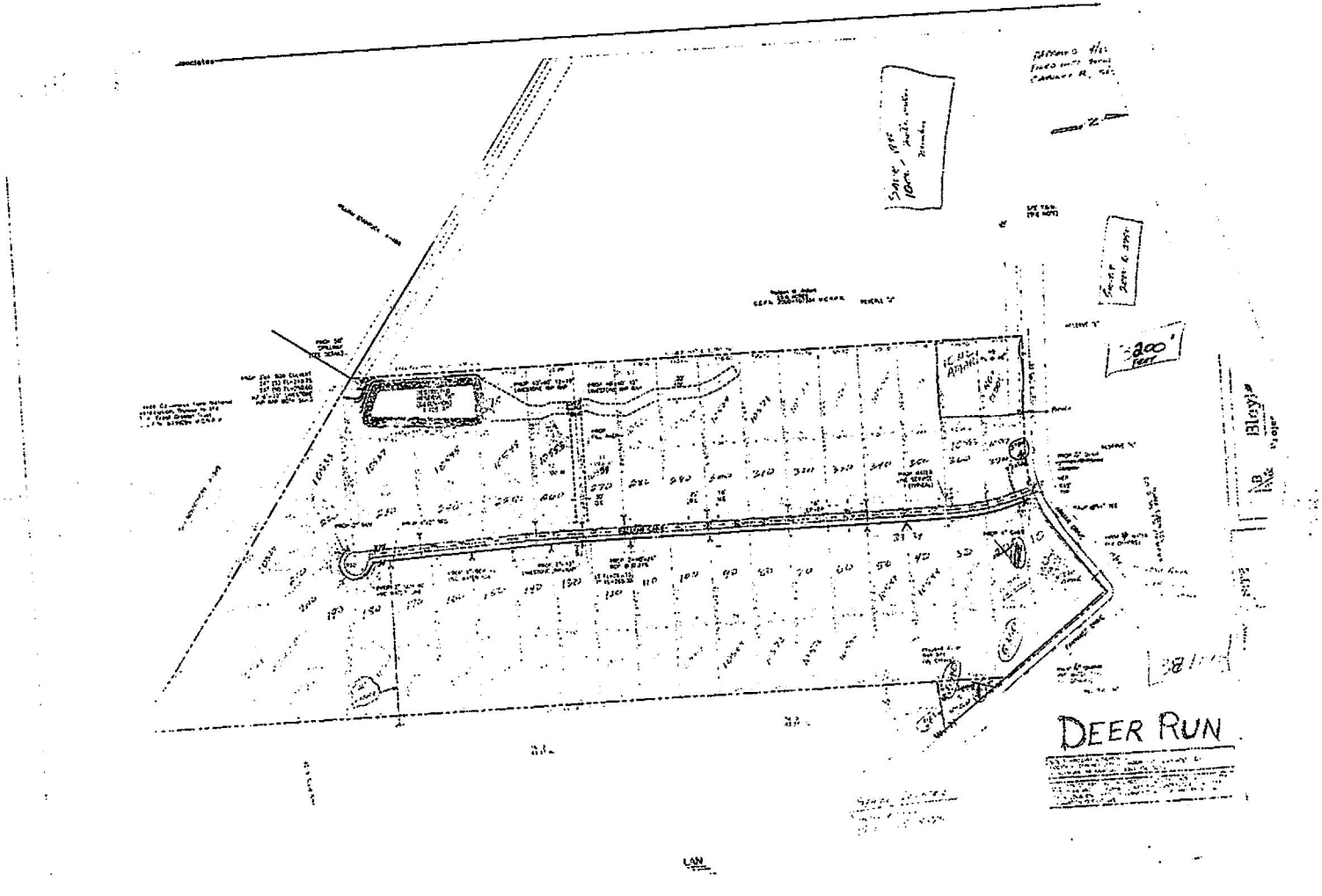
We don't use chlorine dioxide.

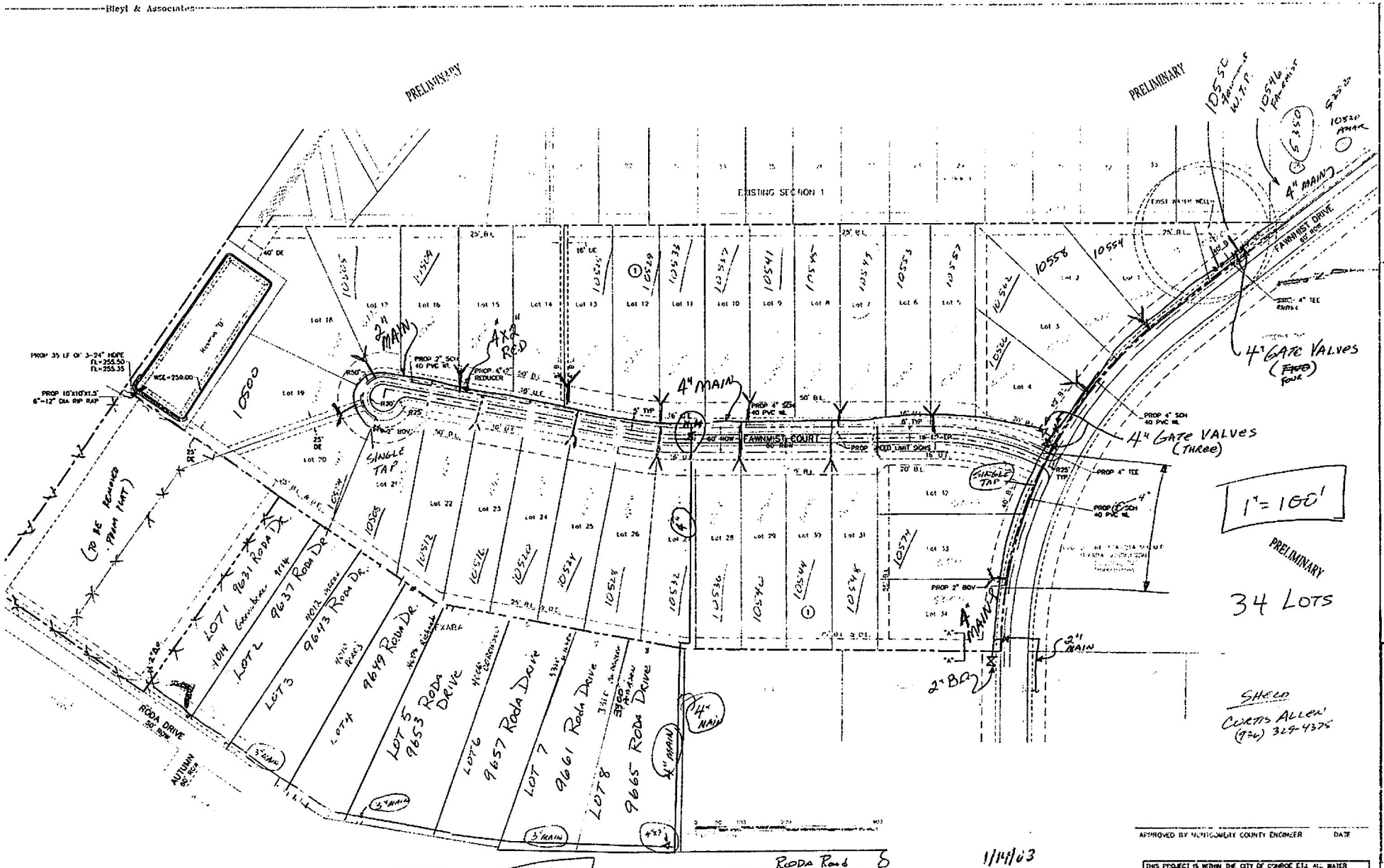
7. Chlorite

We don't use chlorite.

E. LAB APPROVAL FORM

A copy of our laboratory approval form is attached as an appendix to this monitoring plan.

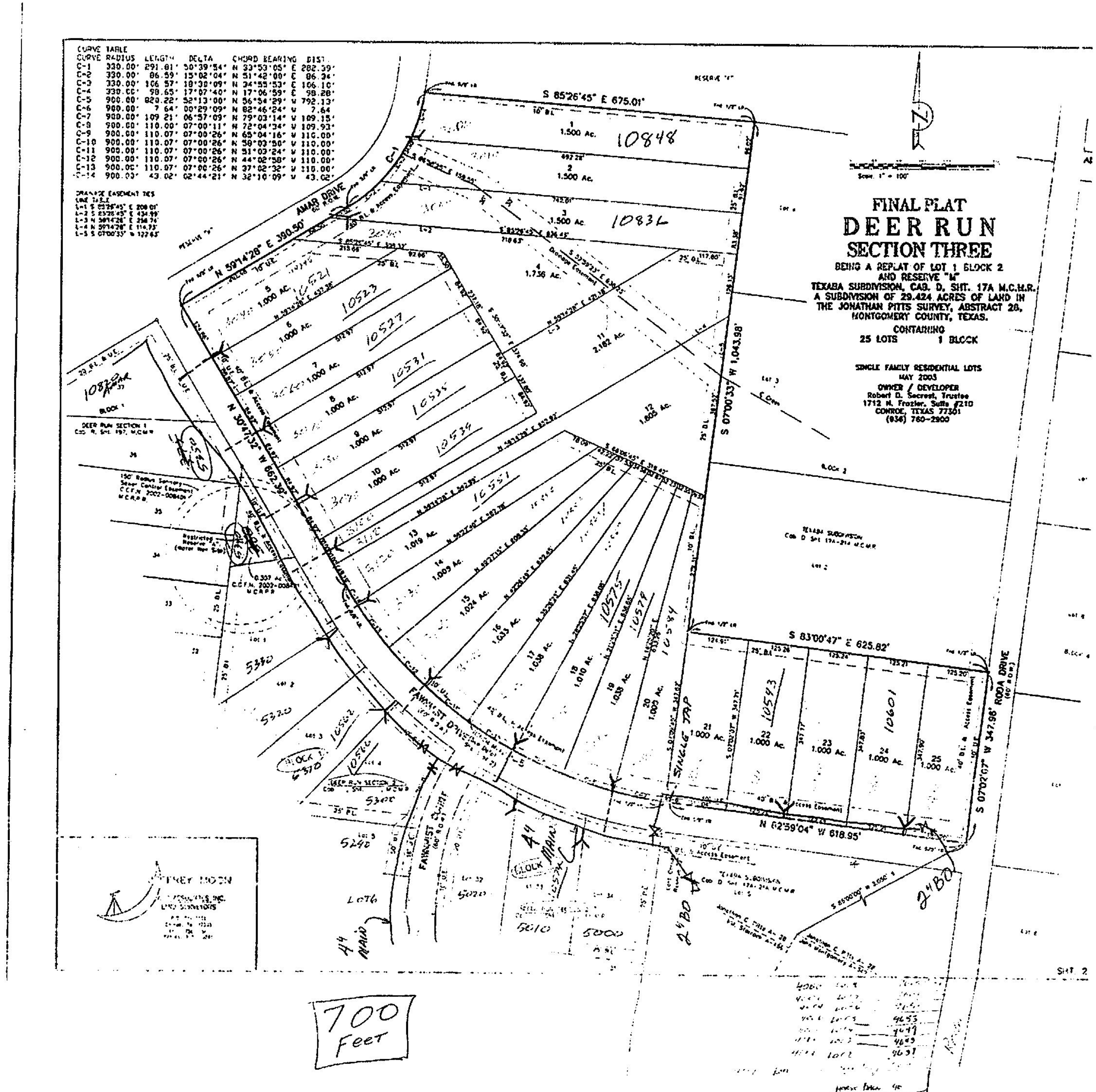

DEER RUN



RODA 2820 feet

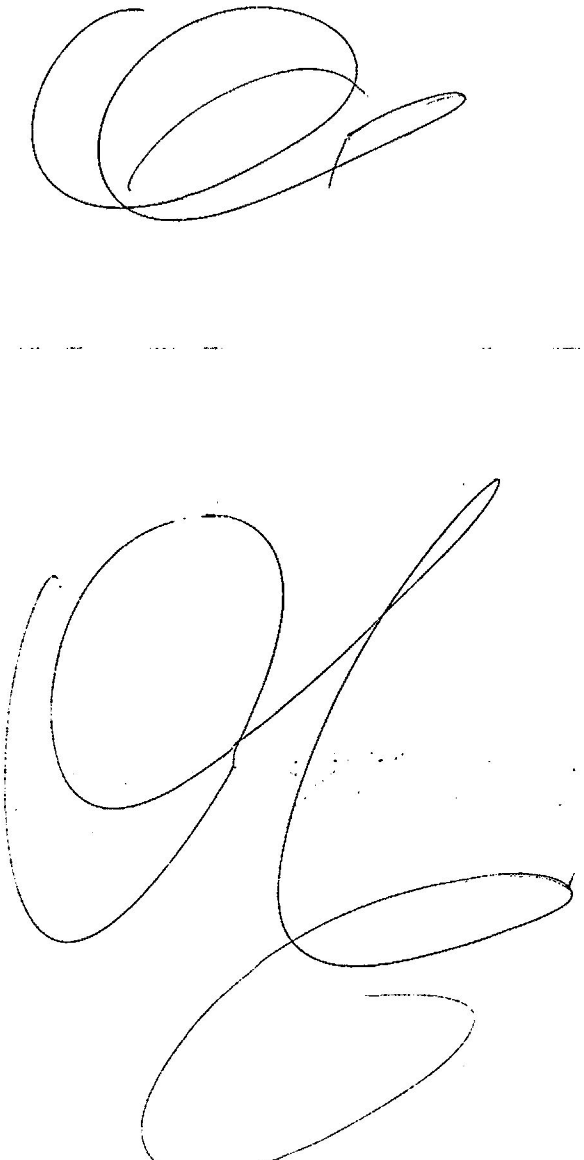
Section 2 2700 feet

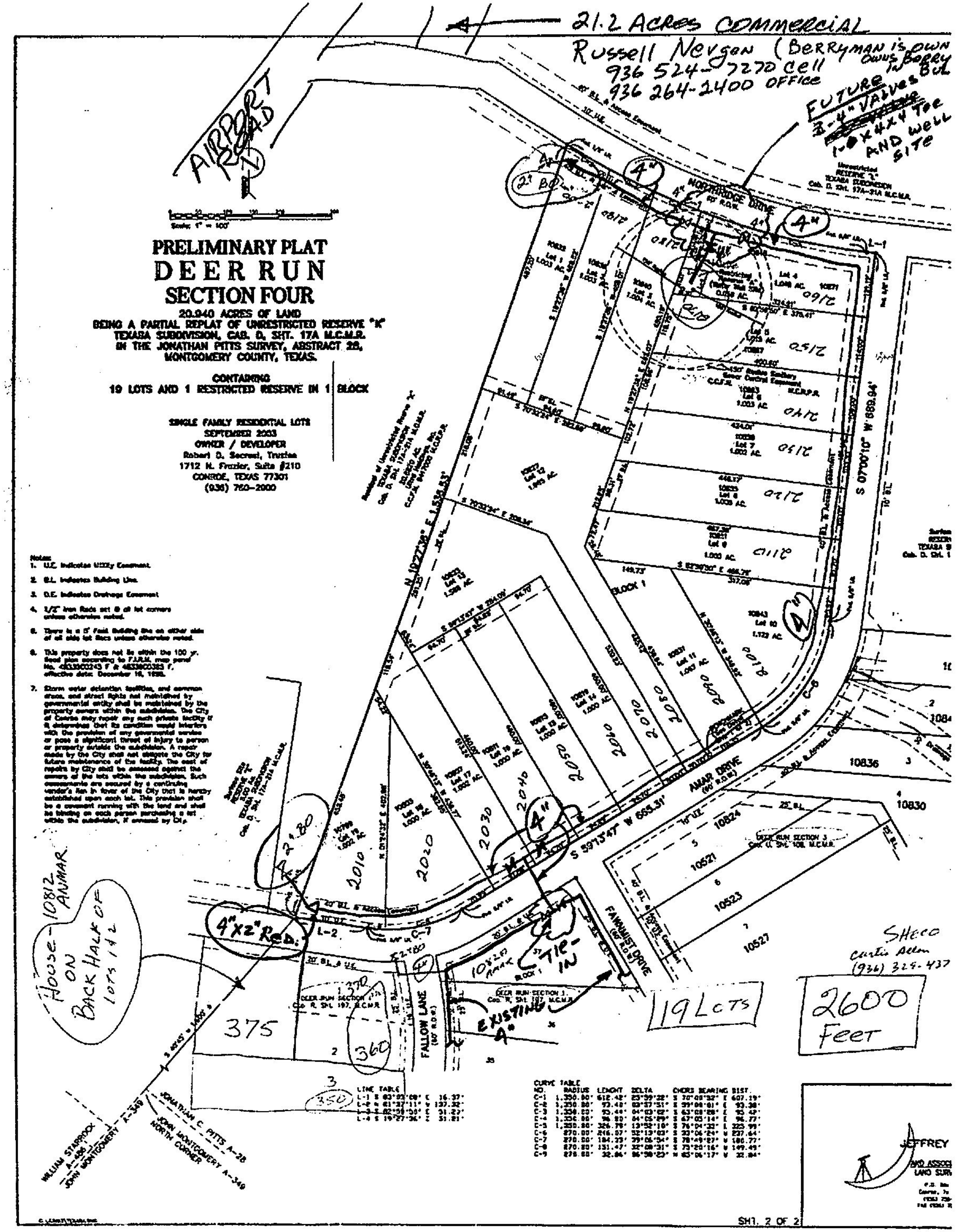
T&W 001543



CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	DIST.
C-1	330.00'	291.81'	50°39'54"	N 33°53'05" E	282.39'
C-2	330.00'	86.59'	15°02'04"	N 51°42'00" E	86.34'
C-3	330.00'	106.57'	18°30'09"	N 34°55'53" E	106.10'
C-4	330.00'	98.65'	17°07'40"	N 17°06'59" E	98.28'
C-5	900.00'	820.22'	52°13'00"	N 56°34'29" W	792.13'
C-6	900.00'	7.64'	00°29'09"	N 82°46'24" W	7.64
C-7	900.00'	109.21'	06°57'09"	N 79°03'14" W	109.15'
C-8	900.00'	110.00'	07°00'11"	N 72°04'34" W	109.93'
C-9	900.00'	110.07'	07°00'26"	N 65°04'16" W	110.00'
C-10	900.00'	110.07'	07°00'26"	N 58°03'50" W	110.00'
C-11	900.00'	110.07'	07°00'26"	N 51°03'24" W	110.00'
C-12	900.00'	110.07'	07°00'26"	N 44°02'58" W	110.00'
C-13	900.00'	110.07'	07°00'26"	N 37°02'32" W	110.00'
C-14	900.00'	43.02'	02°44'21"	N 32°10'09" W	43.02'




21.2 ACRES COMMERCIAL
Russell Nevgon (Berryman is own
936 524-7270 cell
936 264-2400 OFFICE
FUTURE
1-8X4X4 Tee AND WELL SITE
AIRPORT ROAD
Scale: 1" = 100'
PRELIMINARY PLAT
DEER RUN
SECTION FOUR
20.940 ACRES OF LAND
BEING A PARTIAL REPLAT OF UNRESTRICTED RESERVE "K"
TEXABA SUBDIVISION, CAB. D, SHT. 17A M.C.M.R.
IN THE JONATHAN PITTS SURVEY, ABSTRACT 28,
MONTGOMERY COUNTY, TEXAS.
CONTAINING
19 LOTS AND 1 RESTRICTED RESERVE IN 1 BLOCK
SINGLE FAMILY RESIDENTIAL LOTS
SEPTEMBER 2003
OWNER / DEVELOPER
Robert D. Secrest, Trustee
1712 N. Frazier, Suite #210
CONROE, TEXAS 77301
(936) 760-2000
Notes:
1. U.E. Indicates Utility Easement.
2. B.L. Indicates Building Line.
3. D.E. Indicates Drainage Easement.
4. 1/2" Iron Rods set @ all lot corners unless otherwise noted.
NORTHRIDGE DRIVE
AMAR DRIVE
FALLOW LANE
FAWNWEST DRIVE
BLOCK 1
S 59°13'47" W 655.31'
S 07°00'10" W 689.94'
N 19°27'36" E 1,538.53'
House-10812 ANMAR ON BACK HALF OF LOTS 1&2
4"x2" Red.
EXISTING 4"
TIE-IN
19 Lots
2600 Feet
SHECO
Curtis Allen
(936) 325-437
DEER RUN SECTION 1
DEER RUN SECTION 3
CURVE TABLE
LINE TABLE
JONATHAN C. PITTS A-28
JOHN MONTGOMERY A-349
NORTH CORNER
WILLIAM STARROCK
JEFFREY
LAND SURV
SHT. 2 OF 2

T&W 001545

Customer Service Inspection Certificate

Name of PWS: _____ PWS I.D.# ____

Location of Service: 10588 Fawn Mist Drive, Conroe, TX

Reason for Inspection:

New construction.....☑

Existing service where contaminant hazards are suspected .....☐

Major renovation or expansion of distribution facilities .....☐

I, Joseph C. Nehila, upon inspection of the private water distribution facilities connected to the aforementioned public water supply do hereby certify that, to the best of my knowledge:

Compliance	Non-compliance		
☑	☐	1.	No direct connection between the public drinking water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water system by an air gap or an appropriate backflow prevention assembly in accordance with Commission regulations.
☑	☐	2.	No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure-zone backflow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified backflow prevention assembly tester.
☑	☐	3.	No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.
☑	☐	4.	No pipe or pipe fitting which contains more than 8.0% lead exists in private water distribution facilities installed on or after July 1, 1988.
☑	☐	5.	Plumbing installed after January 4, 2014 bears the expected labeling indicating ≤0.25% lead content. If not properly labeled, please provide written comment.
☑	☐	6.	No solder or flux which contains more than 0.2% lead exists in private water distribution facilities installed on or after July 1, 1988.

I further certify that the following materials were used in the installation of the private water distribution facilities:

Service lines	Lead	☐	Copper	☐	PVC	☑	Other	☐
Solder	Lead	☐	Lead Free	☐	Solvent Weld	☐	Other	☑

I recognize that this document shall become a permanent record of the aforementioned Public Water System and that I am legally responsible for the validity of the information I have provided.

Remarks:

Signature of Inspector

CI-0009600
Registration Number

Inspector
Title

CSI
Type of Registration

6/20/16
Date

B.I.S.
Brown's Inspection Service
Lewis Brown
P.O. Box 3259 • Spring, Tx. 77383
281.364.0736 • Fax: 281.419.9386

290.47(d) Appendix D. Customer Service Inspection Certification.

Customer Service Inspection Certificate

Name of PWS TWS PWS I.D. # _____
Location of Service 10539 Fawnmist DR. // Circa

Reason for Inspection: New construction ☑
Existing service where contaminant hazards are suspected ☐
Major renovation or expansion of distribution facilities ☐

I Lewis Brown, upon inspection of the private water distribution facilities connected to the aforementioned public water supply do hereby certify that, to the best of my knowledge:

		Compliance	Non-Compliance
(1)	No direct connection between the public drinking water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water system by an air gap or an appropriate backflow prevention assembly in accordance with Commission regulations.	☑	☐
(2)	No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure-zone backflow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified backflow prevention assembly tester.	☑	☐
(3)	No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.	☑	☐
(4)	No pipe or pipe fitting which contains more than 8.0% lead exists in private water distribution facilities installed on or after July 1, 1988.	☑	☐
(5)	No solder or flux which contains more than 0.2% lead exists in private water distribution facilities installed on or after July 1, 1988.	☑	☐

I further certify that the following materials were used in the installation of the private water distribution facilities:

Service lines:	Lead___	Copper✓	PVC___	Other___
Solder:	Lead___	Lead-Free✓	Solvent Weld___	Other___

I recognize that this document shall become a permanent record of the aforementioned Public Water System and that I am legally responsible for the validity of the information I have provided.

Remarks:

Signature of Inspector

Title

9-24-04
Date

7640
Registration Number

Type of Registration

B.I.S.
Backflow Inspection Service
Lewis Brown
P.O. Box 3259 • Spring, Tx. 77383
281.364.0738 • Fax: 281.419.9386

290.47(d) Appendix D. Customer Service Inspection Certification.

Customer Service Inspection Certificate

Name of PWS NEW IMAGE PWS I.D. # _____
Location of Service 10807 AMAR DEER RUN

Reason for Inspection: New construction ☒
Existing service where contaminant hazards are suspected ☐
Major renovation or expansion of distribution facilities ☐

I Lewis Brown, upon inspection of the private water distribution facilities connected to the aforementioned public water supply do hereby certify that, to the best of my knowledge:

		Compliance	Non-Compliance
(1)	No direct connection between the public drinking water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water system by an air gap or an appropriate backflow prevention assembly in accordance with Commission regulations.	☑	☐
(2)	No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure-zone backflow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified backflow prevention assembly tester.	☒	☐
(3)	No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.	☑	☐
(4)	No pipe or pipe fitting which contains more than 8.0% lead exists in private water distribution facilities installed on or after July 1, 1988.	☑	☐
(5)	No solder or flux which contains more than 0.2% lead exists in private water distribution facilities installed on or after July 1, 1988.	☑	☐

I further certify that the following materials were used in the installation of the private water distribution facilities:

Service lines:	Lead___	Copper ☒	PVC___	Other___
Solder:	Lead___	Lead-Free ☒	Solvent Weld___	Other___

I recognize that this document shall become a permanent record of the aforementioned Public Water System and that I am legally responsible for the validity of the information I have provided.

Remarks:

Signature of Inspector

4640
Registration Number

Title

Type of Registration

9-2-05
Date

T&W 001548

PWS / 1700700 / MOR

DISINFECTANT LEVEL QUARTERLY OPERATING REPORT (DL QOR)

FOR GROUNDWATER OR PURCHASED WATER PUBLIC WATER SYSTEMS - ANY SIZE

Select Quarter: 3 Select Year: 2022

PWS Name: Deer Run	PWS ID: 1700700

Type of Disinfectant Used in Distribution System*: Chlorine (Free)

* If you used chloramines and free chlorine at any time during this quarter, select 'both'

First Month of Quarter: Monthly Summary

Month: July Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
0.65 mg/L	8 readings	0 readings 0.0%	0 readings 0.0%

Second Month of Quarter: Monthly Summary

Month: August Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.21 mg/L	9 readings	0 readings 0.0%	0 readings 0.0%

Third Month of Quarter: Monthly Summary

Month: September Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.59 mg/L	9 readings	0 readings 0.0%	0 readings 0.0%

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	Lowest residual this quarter	Highest residual for this quarter
1.17 mg/L	0.2100 mg/L	2.2100 mg/L

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

Name: Harry Bradford *Typed* *Signature* Today's Date:

Title: Operator Phone # 936-756-7400 10/03/22

License #: WO0048974 Email [redacted]

Complete this form for the previous quarter at the beginning of January, April, July, and October and submit in time for it to be received by the TCEQ by the 10th of the month. Always print and sign form, and keep a copy with your records for TCEQ review.

Mail signed, completed form to: Attn: DLQOR, PDWS/TCEQ/MC-155, PO Box 13087, Austin, TX 78711-308

TCEQ-20067 (Revised 07/05/2006) DL QOR

PWS / 1700700 / MOR

DISINFECTANT LEVEL QUARTERLY OPERATING REPORT (DL QOR)

FOR GROUNDWATER OR PURCHASED WATER PUBLIC WATER SYSTEMS - ANY SIZE

Select Quarter: 4 Select Year: 2022

PWS Name: Deer Run	PWS ID: 1700700

Type of Disinfectant Used in Distribution System*: Chlorine (Free)

* If you used chloramines and free chlorine at any time during this quarter, select 'both'

First Month of Quarter: Monthly Summary

Month: October Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.27 mg/L	9 readings	0 readings 0.0%	0 readings 0.0%

Second Month of Quarter: Monthly Summary

Month: November Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.19 mg/L	9 readings	0 readings 0.0%	0 readings 0.0%

Third Month of Quarter: Monthly Summary

Month: December Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.64 mg/L	8 readings	0 readings 0.0%	0 readings 0.0%

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	Lowest residual this quarter	Highest residual for this quarter
1.36 mg/L	1.0200 mg/L	2.1500 mg/L

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

Name: Harry Bradford (*Typed*) (*Signature*) Today's Date: 01/03/23

Title: Operator Phone # 936-756-7400

License #: WO0048974 Email [redacted]

Complete this form for the previous quarter at the beginning of January, April, July, and October and submit in time for it to be received by the TCEQ by the 10th of the month. Always print and sign form, and keep a copy with your records for TCEQ review.

Mail signed, completed form to: Attn: DLQOR, PDWS/TCEQ/MC-155, PO Box 13087, Austin, TX 78711-308

TCEQ-20067 (Revised 07/05/2006) DL QOR

PWS / 1700700 / MOR

DISINFECTANT LEVEL QUARTERLY OPERATING REPORT (DL QOR)

FOR GROUNDWATER OR PURCHASED WATER PUBLIC WATER SYSTEMS - ANY SIZE

Select Quarter: 1 Select Year: 2023

PWS Name: Deer Run	PWS ID: 1700700

Type of Disinfectant Used in Distribution System*: Chlorine (Free)

* If you used chloramines and free chlorine at any time during this quarter, select 'both'

First Month of Quarter: Monthly Summary

Month: January Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.19 mg/L	10 readings	0 readings 0.0%	0 readings 0.0%

Second Month of Quarter: Monthly Summary

Month: February Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.51 mg/L	8 readings	0 readings 0.0%	0 readings 0.0%

Third Month of Quarter: Monthly Summary

Month: March Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.53 mg/L	10 readings	0 readings 0.0%	0 readings 0.0%

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	Lowest residual this quarter	Highest residual for this quarter
1.40 mg/L	0.7500 mg/L	2.0200 mg/L

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

Name: Harry Bradford *Typed* *Signature* Today's Date: 04/06/23

Title: Operator Phone # 936-756-7400

License #: WO0048974 Email [redacted]

Complete this form for the previous quarter at the beginning of January, April, July, and October and submit in time for it to be received by the TCEQ by the 10th of the month. Always print and sign form, and keep a copy with your records for TCEQ review.

Mail signed, completed form to: Attn: DLQOR, PDWS/TCEQ/MC-155, PO Box 13087, Austin, TX 78711-308

TCEQ-20067 (Revised 07/05/2006) DL QOR

PWS / 1700700 / MOR

DISINFECTANT LEVEL QUARTERLY OPERATING REPORT (DL QOR)

FOR GROUNDWATER OR PURCHASED WATER PUBLIC WATER SYSTEMS - ANY SIZE

Select Quarter: 2 Select Year: 2023

PWS Name: Deer Run	PWS ID: 1700700

Type of Disinfectant Used in Distribution System*: Chlorine (Free)

* If you used chloramines and free chlorine at any time during this quarter, select 'both'

First Month of Quarter: Monthly Summary

Month: April Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.21 mg/L	9 readings	0 readings 0.0%	0 readings 0.0%

Second Month of Quarter: Monthly Summary

Month: May Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
0.93 mg/L	10 readings	0 readings 0.0%	0 readings 0.0%

Third Month of Quarter: Monthly Summary

Month: June Was the PWS active this month? Yes

Average of all disinfectant residuals for this month	Number of residuals collected this month	Number below MIN for this month	Number with NO residual for this month
1.10 mg/L	9 readings	0 readings 0.0%	0 readings 0.0%

Quarterly Summary and Certification

Average of all disinfectant residuals for this quarter	Lowest residual this quarter	Highest residual for this quarter
1.08 mg/L	0.4900 mg/L	1.6900 mg/L

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

Name: Tyler Schneider *Typed* *Signature* Today's Date: ~~6-23~~ 7-5-23

Title: Operator Phone # 936-756-7400

License #: WO0051772 Email [redacted]

Complete this form for the previous quarter at the beginning of January, April, July, and October and submit in time for it to be received by the TCEQ by the 10th of the month. Always print and sign form, and keep a copy with your records for TCEQ review.

Mail signed, completed form to: Attn: DLQOR, PDWS/TCEQ/MC-155, PO Box 13087, Austin, TX 78711-308

TCEQ-20067 (Revised 07/05/2006) **DL QOR**

Blue Topaz
UTILITIES

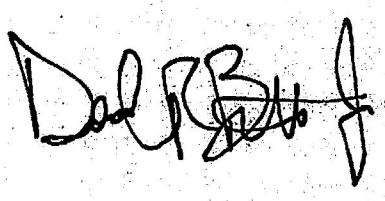
WATER SERVICE INSPECTION AGREEMENT

Name on Account: Donald Betts Account Number: 34892
Service/Property Address: 10561 Fallow Ln City: Conroe State: TX Zip: 77303

PURPOSE. Blue Topaz Utilities is responsible for protecting the drinking water supply from contamination or pollution which could result from improper system construction or configuration on the retail connection owner's side of the meter. The purpose of this service agreement is to notify each customer of the restrictions which are in place to provide this protection. The public water system enforces these restrictions to ensure the public health and welfare. Each retail customer must sign this agreement before Blue Topaz Ultilities will begin service. In addition, when service to an existing retail connection has been suspended or terminated, Blue Topaz Utilities will not reestablish service unless it has a signed copy of this agreement.

RESTRICTIONS.The following unacceptable practices are prohibited by State regulations.
A. No direct connection between the public drinking water supply and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by an air-gap or an appropriate backflow prevention device.
B. No cross-connection between the public drinking water supply and a private water system is permitted. These potential threats to the public drinking water supply shall be eliminated at the service connection by the installation of an air-gap or a reduced pressure-zone backflow prevention device.
C. No connection which allows water to be returned to the public drinking water supply is permitted.
D. No pipe or pipe fitting which contains more than 0.25% lead may be used for the installation or repair of plumbing at any connection which provides water for human use. Texas Commission on Environmental Quality Page 127 Chapter 290 - Public Drinking Water.
E.No solder or flux which contains more than 0.2% lead can be used for the installation or repair of plumbing at any connection which provides water for human use.
SERVICE AGREEMENT. The following are the terms of the service agreement between Blue Topaz Utilities and the Customer.
A. Blue Topaz Utilities will maintain a copy of this agreement as long as the Customer and/or the premises is connected to the Water System.
B. The Customer shall allow his property to be inspected for possible cross connections and other potential contamination hazards. These inspections shall be conducted by Blue Topaz Ultilities or its designated agent prior to initiating new water service; when there is reason to believe that cross connections or other potential contamination hazards exist; or after any major changes to the private water distribution facilities. The inspections shall be conducted during Blue Topaz Utilities's normal business hours.
C. Blue Topaz Utilities shall notify the Customer in writing of any cross connection or other potential contamination hazard which has been identified during the initial inspection or the periodic reinspection.
D. The Customer shall immediately remove or adequately isolate any potential cross-connections or other potential contamination hazards on his premises.
E. The Customer shall, at his expense, properly install, test, and maintain any backflow prevention device required by Blue Topaz Utilities. Copies of all testing and maintenance records shall be provided to Blue Topaz Utilities.
ENFORCEMENT. If the Customer fails to comply with the terms of the Service Agreement, Blue Topaz Utilities shall, at its option, either terminate service or properly install, test, and maintain an appropriate backflow prevention device at the service connection. Any expenses associated with the enforcement of this agreement shall be billed to the Customer.
OTHER. Customer also agrees to follow all TCEQ regulations, and future TCEQ regulations, as a condition of continued water service.
FIRE. Blue Topaz Utilities does not provide fire-fighting service, and therefore Customer agrees that Blue Topaz Utilities is not responsible for fire-related injuries or damages, to persons or property, caused by, or aggravated by the availability (or lack thereof) of water, or water pressure (or lack thereof) during fire emergencies.

Customer Signature:



Utility Represenative: _____ Date: 08/23/2023

Blue Topaz
UTILITIES

WATER SERVICE INSPECTION AGREEMENT

Name on Account: ineto real estate Account Number: 34873
Service/Property Address: 10561 Fallow Ln Conroe City: conroe State: tx Zip: 77303

PURPOSE. Blue Topaz Utilities is responsible for protecting the drinking water supply from contamination or pollution which could result from improper system construction or configuration on the retail connection owner's side of the meter. The purpose of this service agreement is to notify each customer of the restrictions which are in place to provide this protection. The public water system enforces these restrictions to ensure the public health and welfare. Each retail customer must sign this agreement before Blue Topaz Utilities will begin service. In addition, when service to an existing retail connection has been suspended or terminated, Blue Topaz Utilities will not reestablish service unless it has a signed copy of this agreement.

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OTHER. Customer also agrees to follow all TCEQ regulations, and future TCEQ regulations, as a condition of continued water service.
FIRE. Blue Topaz Utilities does not provide fire-fighting service, and therefore Customer agrees that Blue Topaz Utilities is not responsible for fire-related injuries or damages, to persons or property, caused by, or aggravated by the availability (or lack thereof) of water, or water pressure (or lack thereof) during fire emergencies.

Customer Signature:

Utility Represenative: _____ Date: 8/16/2023

Blue Topaz
UTILITIES

WATER SERVICE INSPECTION AGREEMENT

Name on Account: Noemi Benitez Account Number: 34721
Service/Property Address: 10535 dawn mist dr City: Conroe State: Tx Zip: 77303

PURPOSE. Blue Topaz Utilities is responsible for protecting the drinking water supply from contamination or pollution which could result from improper system construction or configuration on the retail connection owner's side of the meter. The purpose of this service agreement is to notify each customer of the restrictions which are in place to provide this protection. The public water system enforces these restrictions to ensure the public health and welfare. Each retail customer must sign this agreement before Blue Topaz Utilities will begin service. In addition, when service to an existing retail connection has been suspended or terminated, Blue Topaz Utilities will not reestablish service unless it has a signed copy of this agreement.

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Customer Signature:

Noemi B

Utility Represenative: _____ Date: 06/06/2023

Facility	Day	Flush Rate	FlushTotalMinutes
DE Amar Lot 19	06/01/2022	0	24
FP Fallow Lane Cul de Sac	06/01/2022	0	25
DE 10832 Northridge	06/01/2022	0	14
DE Fawnmist Court cul de Sac	06/02/2022	0	18
FP 10578 Fawnmist Drive	06/02/2022	0	18
DE End Fawnmist Dr -Roda Dr	06/02/2022	0	13
DE 9631 Roda Drive	06/02/2022	0	23
Max		0	25
Min		0	13
Avg		0	19
Count		7	7

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	07/11/2022	26			
FP Fallow Lane Cul de Sac	07/11/2022	24			
DE 10832 Northridge	07/11/2022	11			
DE Fawnmist Court cul de Sac	07/12/2022	19			
FP 10578 Fawnmist Drive	07/12/2022	22			
DE End Fawnmist Dr -Roda Dr	07/12/2022	18			
DE 9631 Roda Drive	07/12/2022	24			
Max		26			
Min		11			
Avg		21			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	08/02/2022	24			
FP Fallow Lane Cul de Sac	08/02/2022	17			
DE 10832 Northridge	08/02/2022	14			
DE Fawnmist Court cul de Sac	08/04/2022	20			
FP 10578 Fawnmist Drive	08/04/2022	21			
DE End Fawnmist Dr -Roda Dr	08/04/2022	27			
DE 9631 Roda Drive	08/04/2022	27			
Max		27			
Min		14			
Avg		21			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	09/12/2022	29			
FP Fallow Lane Cul de Sac	09/12/2022	23			
DE 10832 Northridge	09/12/2022	17			
DE Fawnmist Court cul de Sac	09/13/2022	27			
FP 10578 Fawnmist Drive	09/13/2022	27			
DE End Fawnmist Dr -Roda Dr	09/13/2022	20			
DE 9631 Roda Drive	09/13/2022	40			
Max		40			
Min		17			
Avg		26			
Sum		183			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	10/06/2022	24			
FP Fallow Lane Cul de Sac	10/06/2022	32			
DE 10832 Northridge	10/06/2022	27			
DE Fawnmist Court cul de Sac	10/07/2022	20			
FP 10578 Fawnmist Drive	10/11/2022	29			
DE End Fawnmist Dr -Roda Dr	10/11/2022	20			
DE 9631 Roda Drive	10/11/2022	20			
Max		32			
Min		20			
Avg		25			
Sum		172			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	11/01/2022	22			
FP Fallow Lane Cul de Sac	11/01/2022	38			
DE 10832 Northridge	11/01/2022	23			
DE Fawnmist Court cul de Sac	11/03/2022	23			
FP 10578 Fawnmist Drive	11/03/2022	30			
DE End Fawnmist Dr -Roda Dr	11/03/2022	20			
DE 9631 Roda Drive	11/03/2022	23			
Max		38			
Min		20			
Avg		26			
Sum		179			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	12/06/2022	25			
FP Fallow Lane Cul de Sac	12/06/2022	27			
DE 10832 Northridge	12/06/2022	15			
DE Fawnmist Court cul de Sac	12/07/2022	24			
FP 10578 Fawnmist Drive	12/07/2022	15			
DE End Fawnmist Dr -Roda Dr	12/07/2022	9			
DE 9631 Roda Drive	12/07/2022	16			
Max		27			
Min		9			
Avg		19			
Sum		131			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	01/10/2023	22			
FP Fallow Lane Cul de Sac	01/10/2023	40			
DE 10832 Northridge	01/10/2023	14			
DE Fawnmist Court cul de Sac	01/11/2023	45			
FP 10578 Fawnmist Drive	01/11/2023	19			
DE End Fawnmist Dr -Roda Dr	01/11/2023	38			
DE 9631 Roda Drive	01/11/2023	20			
Max		45			
Min		14			
Avg		28			
Sum		198			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	02/01/2023	22			
FP Fallow Lane Cul de Sac	02/01/2023	35			
DE 10832 Northridge	02/01/2023	15			
DE Fawnmist Court cul de Sac	02/02/2023	30			
FP 10578 Fawnmist Drive	02/02/2023	20			
DE End Fawnmist Dr -Roda Dr	02/02/2023	20			
DE 9631 Roda Drive	02/02/2023	15			
Max		35			
Min		15			
Avg		22			
Sum		157			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	03/01/2023	22			
FP Fallow Lane Cul de Sac	03/02/2023	35			
DE 10832 Northridge	03/02/2023	24			
DE Fawnmist Court cul de Sac	03/02/2023	30			
FP 10578 Fawnmist Drive	03/02/2023	16			
DE End Fawnmist Dr -Roda Dr	03/02/2023	20			
DE 9631 Roda Drive	03/02/2023	15			
Max		35			
Min		15			
Avg		23			
Sum		162			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	04/05/2023	20			
FP Fallow Lane Cul de Sac	04/05/2023	23			
DE 10832 Northridge	04/05/2023	15			
DE Fawnmist Court cul de Sac	04/05/2023	20			
FP 10578 Fawnmist Drive	04/05/2023	15			
DE End Fawnmist Dr -Roda Dr	04/05/2023	10			
DE 9631 Roda Drive	04/05/2023	10			
Max		23			
Min		10			
Avg		16			
Sum		113			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	05/03/2023	20			
FP Fallow Lane Cul de Sac	05/03/2023	25			
DE 10832 Northridge	05/03/2023	20			
DE Fawnmist Court cul de Sac	05/03/2023	20			
FP 10578 Fawnmist Drive	05/03/2023	16			
DE End Fawnmist Dr -Roda Dr	05/03/2023	10			
DE 9631 Roda Drive	05/03/2023	10			
Max		25			
Min		10			
Avg		17			
Sum		121			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	06/02/2023	22			
FP Fallow Lane Cul de Sac	06/06/2023	26			
DE 10832 Northridge	06/06/2023	21			
DE Fawnmist Court cul de Sac	06/06/2023	20			
FP 10578 Fawnmist Drive	06/06/2023	15			
DE End Fawnmist Dr -Roda Dr	06/06/2023	10			
DE 9631 Roda Drive	06/06/2023	15			
Max		26			
Min		10			
Avg		18			
Sum		129			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	07/05/2023	20			
FP Fallow Lane Cul de Sac	07/05/2023	20			
DE 10832 Northridge	07/05/2023	16			
DE Fawnmist Court cul de Sac	07/06/2023	20			
FP 10578 Fawnmist Drive	07/06/2023	18			
DE End Fawnmist Dr -Roda Dr	07/06/2023	11			
DE 9631 Roda Drive	07/06/2023	15			
Max		20			
Min		11			
Avg		17			
Sum		120			
Count		7			

Facility	Day	FlushTotalMinutes			
DE Amar Lot 19	08/02/2023	15			
FP Fallow Lane Cul de Sac	08/02/2023	15			
DE 10832 Northridge	08/02/2023	15			
DE Fawnmist Court cul de Sac	08/02/2023	15			
FP 10578 Fawnmist Drive	08/02/2023	14			
DE End Fawnmist Dr -Roda Dr	08/02/2023	11			
DE 9631 Roda Drive	08/02/2023	15			
Max		15			
Min		11			
Avg		14			
Sum		100			
Count		7			

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow
Calculated Reading	06/01/2022	8:46 AM	48018	19	43012
Harry Bradford	06/02/2022	8:46 AM	48037	19	43029
Calculated Reading	06/03/2022	9:33 AM	48057	20	43047
Calculated Reading	06/04/2022	9:33 AM	48078	21	43066
Calculated Reading	06/05/2022	9:33 AM	48099	21	43085
Harry Bradford	06/06/2022	9:33 AM	48120	21	43104
Calculated Reading	06/07/2022	10:51 AM	48140	20	43122
Calculated Reading	06/08/2022	10:51 AM	48160	20	43140
Calculated Reading	06/09/2022	10:51 AM	48180	20	43158
Harry Bradford	06/10/2022	10:51 AM	48200	20	43176
Calculated Reading	06/11/2022	10:57 AM	48226	26	43199
Calculated Reading	06/12/2022	10:57 AM	48253	27	43223
Harry Bradford	06/13/2022	10:57 AM	48280	27	43247
Calculated Reading	06/14/2022	11:01 AM	48303	23	43263
Calculated Reading	06/15/2022	11:01 AM	48326	23	43279
Calculated Reading	06/16/2022	11:01 AM	48349	23	43296
Harry Bradford	06/17/2022	11:01 AM	48373	24	43313
Calculated Reading	06/18/2022	10:50 AM	48398	25	43341
Calculated Reading	06/19/2022	10:50 AM	48423	25	43370
Harry Bradford	06/20/2022	10:50 AM	48448	25	43399
Calculated Reading	06/21/2022	9:44 AM	48475	27	43423
Calculated Reading	06/22/2022	9:44 AM	48502	27	43447
Calculated Reading	06/23/2022	9:44 AM	48529	27	43471
Harry Bradford	06/24/2022	9:44 AM	48556	27	43496
Calculated Reading	06/25/2022	10:05 AM	48586	30	43523
Calculated Reading	06/26/2022	10:05 AM	48616	30	43550
Harry Bradford	06/27/2022	10:05 AM	48647	31	43577
Calculated Reading	06/28/2022	9:18 AM	48672	25	43599
Calculated Reading	06/29/2022	9:18 AM	48697	25	43621
Harry Bradford	06/30/2022	9:18 AM	48722	25	43644
Max			48722.00	31.00	43644.00
Min			48018.00	19.00	43012.00
Avg			48349.00	24.10	43307.33
Sum			1450470.00	723.00	1299220.00
Count			30.00	30.00	30.00

Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl
17						
17	Standby_Auto	Standby_Auto	Standby_Auto	61	50	10.3
18						
19						
19						
19	Standby_Auto	Standby_Auto	Standby_Auto	62	50	9.2
18						
18						
18						
18	Standby_Auto	Standby_Auto	Standby_Auto	64	50	13
23						
24						
24	Standby_Auto	Standby_Auto	Standby_Auto	60	50	14
16						
16						
17						
17	Standby_Auto	Standby_Auto	Standby_Auto	63	50	13
28						
29						
29	Standby_Auto	Standby_Auto	Standby_Auto	63	50	14
24						
24						
24						
25	Standby_Auto	Standby_Auto	Standby_Auto	60	50	11.5
27						
27						
27	Standby_Auto	Standby_Auto	Standby_Auto	62	50	13
22						
22						
23	Standby_Auto	Standby_Auto	Standby_Auto	63	50	14
29.00	0.00	0.00	0.00	64.00	50.00	14.00
16.00	0.00	0.00	0.00	60.00	50.00	9.20
21.63	#DIV/0!	#DIV/0!	#DIV/0!	62.00	50.00	12.44
649.00	0.00	0.00	0.00	558.00	450.00	112.00
30.00	0.00	0.00	0.00	9.00	9.00	9.00

CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
	45.62	0.38	39.75	0.25		
1.16	45.25	0.37	39.5	0.25		
	44.81	0.44	39.12	0.38		
	44.37	0.44	38.74	0.38		
	43.93	0.44	38.37	0.37		
1.27	43.5	0.43	38	0.37		
	42.87	0.63	37.56	0.44		
	42.24	0.63	37.12	0.44		
	41.62	0.62	36.68	0.44		
1.71	41	0.62	36.25	0.43		
	40.41	0.59	35.58	0.67		
	39.83	0.58	34.91	0.67		
1.03	39.25	0.58	34.25	0.66		
	38.75	0.5	33.68	0.57		
	38.25	0.5	33.12	0.56		
	37.75	0.5	32.56	0.56		
0.98	37.25	0.5	32	0.56	54	48
	36.58	0.67	31.33	0.67		
	35.91	0.67	30.66	0.67		
1.22	35.25	0.66	30	0.66		
	34.56	0.69	29.37	0.63		
	33.87	0.69	28.74	0.63		
	33.18	0.69	28.12	0.62		
0.99	32.5	0.68	27.5	0.62		
	31.66	0.84	26.66	0.84		
	30.83	0.83	25.83	0.83		
0.7	30	0.83	25	0.83		
	29.41	0.59	24.5	0.5		
	28.83	0.58	24	0.5		
0.64	28.25	0.58	23.5	0.5		
1.71	45.62	0.84	39.75	0.84	54.00	48.00
0.64	28.25	0.37	23.50	0.25	54.00	48.00
1.08	37.58	0.59	32.41	0.55	54.00	48.00
9.70	1127.53	17.75	972.40	16.50	54.00	48.00
9.00	30.00	30.00	30.00	30.00	1.00	1.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM		
Calculated Reading	07/01/2022	7:30 PM	48747	25	43666	22								27.75	0.5	22.95	0.55				
Calculated Reading	07/02/2022	7:30 PM	48772	25	43688	22								27.25	0.5	22.4	0.55				
Calculated Reading	07/03/2022	7:30 PM	48797	25	43711	23								26.75	0.5	21.85	0.55				
Calculated Reading	07/04/2022	7:30 PM	48822	25	43734	23								26.25	0.5	21.3	0.55				
Harry Bradford	07/05/2022	7:30 PM	48848	26	43757	23	Standby_Auto	Standby_Auto	Standby_Auto	63	50	9.2	0.25	25.75	0.5	20.75	0.55				
Calculated Reading	07/06/2022	8:49 AM	48875	27	43781	24								25.33	0.42	20.5	0.25				
Calculated Reading	07/07/2022	8:49 AM	48902	27	43806	25								24.91	0.42	20.25	0.25				
Harry Bradford	07/08/2022	8:49 AM	48930	28	43831	25	Standby_Auto	Standby_Auto	Standby_Auto	50	50	9.2	0.24	24.5	0.41	20	0.25	47	47		
Calculated Reading	07/09/2022	10:20 AM	48964	34	43861	30								23.58	0.92	19.5	0.5				
Calculated Reading	07/10/2022	10:20 AM	48998	34	43891	30								22.66	0.92	19	0.5				
Harry Bradford	07/11/2022	10:20 AM	49032	34	43922	31	Standby_Auto	Standby_Auto	Standby_Auto	64	50	11.5	0.46	21.75	0.91	18.5	0.5				
Calculated Reading	07/12/2022	12:19 PM	49069	37	43954	32								21.75	0	18.5	0				
Calculated Reading	07/13/2022	12:19 PM	49106	37	43987	33								21.75	0	18.5	0				
Calculated Reading	07/14/2022	12:19 PM	49143	37	44020	33								21.75	0	18.5	0				
Harry Bradford	07/15/2022	12:19 PM	49180	37	44053	33	Standby_Auto	Standby_Auto	Standby_Auto	62	50	12.7	0.96	21.75	0	18.5	0				
Calculated Reading	07/16/2022	9:23 AM	49203	23	44073	20								39.33	0.42	35.33	0.42				
Calculated Reading	07/17/2022	9:23 AM	49226	23	44094	21								38.91	0.42	34.91	0.42				
Harry Bradford	07/18/2022	9:23 AM	49249	23	44115	21	Standby_Auto	Standby_Auto	Standby_Auto	60	50	12.7	0.78	38.5	0.41	34.5	0.41				
Calculated Reading	07/19/2022	9:55 AM	49276	27	44143	28								38	0.5	34.25	0.25				
Calculated Reading	07/20/2022	9:55 AM	49303	27	44171	28								37.5	0.5	34	0.25				
Calculated Reading	07/21/2022	9:55 AM	49330	27	44199	28								37	0.5	33.75	0.25				
Harry Bradford	07/22/2022	9:55 AM	49357	27	44228	29	Standby_Auto	Standby_Auto	Standby_Auto	61	50	11.5	0.62	36.5	0.5	33.5	0.25				
Calculated Reading	07/23/2022	1:32 PM	49381	24	44243	15								36.5	0	33.25	0.25				
Calculated Reading	07/24/2022	1:32 PM	49405	24	44259	16								36.5	0	33	0.25				
Harry Bradford	07/25/2022	1:32 PM	49429	24	44275	16	Standby_Auto	Standby_Auto	Standby_Auto	64	50	11.5	0.53	36.5	0	32.75	0.25				
Calculated Reading	07/26/2022	9:46 AM	49450	21	44294	19								39.75	0	32.56	0.19				
Calculated Reading	07/27/2022	9:46 AM	49472	22	44314	20								39.75	0	32.37	0.19				
Calculated Reading	07/28/2022	9:46 AM	49494	22	44334	20								39.75	0	32.18	0.19				
Harry Bradford	07/29/2022	9:46 AM	49516	22	44354	20	Standby_Auto	Standby_Auto	Standby_Auto	60	50	10.5	0.44	39.75	0	32	0.18	47	41		
Jordan Davis	07/30/2022	11:23 AM	49544	28	44379	25	Standby_Auto	Standby_Auto	Standby_Auto	63	50	11.7	0.45	44.25	0.75	31.5	0.5				
Calculated Reading	07/31/2022	10:16 AM	49572	28	44404	25								43	1.25	31	0.5				
Max			49572.00	37.00	44404.00	33.00	0.00	0.00	0.00	64.00	50.00	12.70	0.96	44.25	1.25	35.33	0.55	47.00	47.00		
Min			48747.00	21.00	43666.00	15.00	0.00	0.00	0.00	50.00	50.00	9.20	0.24	21.75	0.00	18.50	0.00	47.00	41.00		
Avg			49173.94	27.42	44049.71	24.52	#DIV/0!	#DIV/0!	#DIV/0!	60.78	50.00	11.17	0.53	31.77	0.38	26.83	0.31	47.00	44.00		
Sum			1524392.00	850.00	1365541.00	760.00	0.00	0.00	0.00	547.00	450.00	100.50	4.73	984.97	11.75	831.85	9.75	94.00	88.00		
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	2.00	2.00		

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status
Harry Bradford	08/01/2022	10:16 AM	49600	28	44429	25	Standby_Auto
Calculated Reading	08/02/2022	10:39 AM	49628	28	44454	25	
Calculated Reading	08/03/2022	10:39 AM	49656	28	44479	25	
Calculated Reading	08/04/2022	10:39 AM	49684	28	44504	25	
Harry Bradford	08/05/2022	10:39 AM	49713	29	44530	26	Standby_Auto
Calculated Reading	08/06/2022	3:00 PM	49736	23	44551	21	
Calculated Reading	08/07/2022	3:00 PM	49759	23	44572	21	
Harry Bradford	08/08/2022	3:00 PM	49783	24	44593	21	Standby_Auto
Calculated Reading	08/09/2022	9:32 AM	49804	21	44612	19	
Harry Bradford	08/10/2022	9:32 AM	49826	22	44631	19	Standby_Auto
Calculated Reading	08/11/2022	10:36 AM	49844	18	44647	16	
Calculated Reading	08/12/2022	10:36 AM	49862	18	44663	16	
Calculated Reading	08/13/2022	10:36 AM	49880	18	44679	16	
Calculated Reading	08/14/2022	10:36 AM	49899	19	44696	17	
Harry Bradford	08/15/2022	10:36 AM	49918	19	44713	17	Standby_Auto
Calculated Reading	08/16/2022	12:16 PM	49940	22	44733	20	
Calculated Reading	08/17/2022	12:16 PM	49963	23	44753	20	
Harry Bradford	08/18/2022	12:16 PM	49986	23	44774	21	Standby_Auto
Calculated Reading	08/19/2022	10:29 AM	50000	14	44786	12	
Calculated Reading	08/20/2022	10:29 AM	50014	14	44799	13	
Calculated Reading	08/21/2022	10:29 AM	50028	14	44812	13	
Jordan Davis	08/22/2022	10:29 AM	50043	15	44825	13	Standby_Auto
Calculated Reading	08/23/2022	10:34 AM	50054	11	44835	10	
Calculated Reading	08/24/2022	10:34 AM	50065	11	44845	10	
Harry Bradford	08/25/2022	10:34 AM	50077	12	44856	11	Standby_Auto
Calculated Reading	08/26/2022	9:42 AM	50091	14	44869	13	
Calculated Reading	08/27/2022	9:42 AM	50105	14	44882	13	
Calculated Reading	08/28/2022	9:42 AM	50120	15	44895	13	
Harry Bradford	08/29/2022	9:42 AM	50135	15	44908	13	Standby_Auto
Calculated Reading	08/30/2022	8:56 AM	50145	10	44917	9	
Calculated Reading	08/31/2022	8:56 AM	50155	10	44926	9	
Max			50155.00	29.00	44926.00	26.00	0.00
Min			49600.00	10.00	44429.00	9.00	0.00
Avg			49919.77	18.81	44715.10	16.84	#DIV/0!
Sum			1547513.00	583.00	1386168.00	522.00	0.00
Count			31.00	31.00	31.00	31.00	0.00

BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches
Standby_Auto	Standby_Auto	63	50	12.7	1.09	41.75	1.25	30.5	0.5
						40.68	1.07	30.31	0.19
						39.62	1.06	30.12	0.19
						38.56	1.06	29.93	0.19
Standby_Auto	Standby_Auto	63	50	12.7	1.16	37.5	1.06	29.75	0.18
						36.5	1	29.41	0.34
						35.5	1	29.08	0.33
Standby_Auto	Standby_Auto	62	50	11.5	1.14	34.5	1	28.75	0.33
						33.75	0.75	28.62	0.13
Standby_Auto	Standby_Auto	61	50	10.5	1.12	33	0.75	28.5	0.12
						32.2	0.8	28.3	0.2
						31.4	0.8	28.1	0.2
						30.6	0.8	27.9	0.2
						29.8	0.8	27.7	0.2
Standby_Auto	Standby_Auto	50	50	14	0.75	29	0.8	27.5	0.2
						28.08	0.92	27.33	0.17
						27.16	0.92	27.16	0.17
Standby_Auto	Standby_Auto	63	50	14	1.08	26.25	0.91	27	0.16
						25.62	0.63	26.93	0.07
						24.99	0.63	26.87	0.06
						24.37	0.62	26.81	0.06
Standby_Auto	Standby_Auto	56	50	12.5	1.06	23.75	0.62	26.75	0.06
						23.25	0.5	26.58	0.17
						22.75	0.5	26.41	0.17
Standby_Auto	Standby_Auto	64	50	10.5	0.81	22.25	0.5	26.25	0.16
						21.62	0.63	26.12	0.13
						20.99	0.63	25.99	0.13
						20.37	0.62	25.87	0.12
Standby_Auto	Standby_Auto	64	50	12.7	0.39	19.75	0.62	25.75	0.12
						19.75	0	25.75	0
						19.75	0	25.75	0
0.00	0.00	64.00	50.00	14.00	1.16	41.75	1.25	30.50	0.50
0.00	0.00	50.00	50.00	10.50	0.39	19.75	0.00	25.75	0.00
#DIV/0!	#DIV/0!	60.67	50.00	12.34	0.96	28.87	0.75	27.67	0.17
0.00	0.00	546.00	450.00	111.10	8.60	895.06	23.25	857.79	5.25
0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00

Well #1 GPM	**Well #2 GPM**		
54	47		
53	40		
48	47		
54.00	47.00		
48.00	40.00		
51.67	44.67		
155.00	134.00		
3.00	3.00		

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM		
Calculated Reading	09/01/2022	8:56 AM	50166	11	44935	9								19.75	0	25.75	0				
Harry Bradford	09/02/2022	8:56 AM	50177	11	44945	10	Standby_Auto	Standby_Auto	Standby_Auto	55	50	10.5	2.29	19.75	0	25.75	0				
Calculated Reading	09/03/2022	9:15 AM	50187	10	44954	9								44.81	0.19	45.12	0.13				
Calculated Reading	09/04/2022	9:15 AM	50197	10	44963	9								44.62	0.19	44.99	0.13				
Calculated Reading	09/05/2022	9:15 AM	50207	10	44972	9								44.43	0.19	44.87	0.12				
Harry Bradford	09/06/2022	9:15 AM	50218	11	44982	10	Standby_Auto	Standby_Auto	Standby_Auto	61	50	10.5	2.8	44.25	0.18	44.75	0.12				
Calculated Reading	09/07/2022	9:29 AM	50229	11	44992	10								43.83	0.42	44.58	0.17				
Calculated Reading	09/08/2022	9:29 AM	50240	11	45002	10								43.41	0.42	44.41	0.17				
Jordan Davis	09/09/2022	9:29 AM	50252	12	45012	10	Standby_Auto	Standby_Auto	Standby_Auto	59	50	11.5	2.2	43	0.41	44.25	0.16				
Calculated Reading	09/10/2022	10:02 AM	50263	11	45022	10								42.66	0.34	44.08	0.17				
Calculated Reading	09/11/2022	10:02 AM	50275	12	45033	11								42.33	0.33	43.91	0.17				
Harry Bradford	09/12/2022	10:02 AM	50287	12	45044	11	Standby_Auto	Standby_Auto	Standby_Auto	64	50	10.5	1.48	42	0.33	43.75	0.16	47	47		
Calculated Reading	09/13/2022	9:00 AM	50304	17	45059	15								41.5	0.5	43.56	0.19				
Calculated Reading	09/14/2022	9:00 AM	50321	17	45074	15								41	0.5	43.37	0.19				
Calculated Reading	09/15/2022	9:00 AM	50338	17	45089	15								40.5	0.5	43.18	0.19				
Harry Bradford	09/16/2022	9:00 AM	50355	17	45105	16	Standby_Auto	Standby_Auto	Standby_Auto	59	50	11.5	1.34	40	0.5	43	0.18				
Calculated Reading	09/17/2022	10:36 AM	50373	18	45121	16								39.41	0.59	42.91	0.09				
Calculated Reading	09/18/2022	10:36 AM	50391	18	45137	16								38.83	0.58	42.83	0.08				
Harry Bradford	09/19/2022	10:36 AM	50409	18	45153	16	Standby_Auto	Standby_Auto	Standby_Auto	60	50	12.7	1.35	38.25	0.58	42.75	0.08				
Calculated Reading	09/20/2022	3:26 PM	50425	16	45168	15								37.75	0.5	42.68	0.07				
Calculated Reading	09/21/2022	3:26 PM	50441	16	45183	15								37.25	0.5	42.62	0.06				
Calculated Reading	09/22/2022	3:26 PM	50458	17	45198	15								36.75	0.5	42.56	0.06				
Harry Bradford	09/23/2022	3:26 PM	50475	17	45213	15	Standby_Auto	Standby_Auto	Standby_Auto	64	50	10.5	1.3	36.25	0.5	42.5	0.06				
Calculated Reading	09/24/2022	9:36 AM	50490	15	45226	13								35.66	0.59	42.33	0.17				
Calculated Reading	09/25/2022	9:36 AM	50505	15	45240	14								35.08	0.58	42.16	0.17				
Harry Bradford	09/26/2022	9:36 AM	50520	15	45254	14	Standby_Auto	Standby_Auto	Standby_Auto	63	50	11.5	1.01	34.5	0.58	42	0.16	53	48		
Calculated Reading	09/27/2022	9:41 AM	50537	17	45269	15								34.06	0.44	41.75	0.25				
Calculated Reading	09/28/2022	9:41 AM	50554	17	45284	15								33.62	0.44	41.5	0.25				
Calculated Reading	09/29/2022	9:41 AM	50571	17	45299	15								33.18	0.44	41.25	0.25				
Harry Bradford	09/30/2022	9:41 AM	50588	17	45314	15	Standby_Auto	Standby_Auto	Standby_Auto	62	50	11.5	1.02	32.75	0.43	41	0.25	53	48		
Max			50588.00	18.00	45314.00	16.00	0.00	0.00	0.00	64.00	50.00	12.70	2.80	44.81	0.59	45.12	0.25	53.00	48.00		
Min			50166.00	10.00	44935.00	9.00	0.00	0.00	0.00	55.00	50.00	10.50	1.01	19.75	0.00	25.75	0.00	47.00	47.00		
Avg			50358.43	14.43	45108.07	12.93	#DIV/0!	#DIV/0!	#DIV/0!	60.78	50.00	11.19	1.64	38.04	0.41	42.01	0.14	51.00	47.67		
Sum			1510753.00	433.00	1353242.00	388.00	0.00	0.00	0.00	547.00	450.00	100.70	14.79	1141.18	12.25	1260.16	4.25	153.00	143.00		
Count			30.00	30.00	30.00	30.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	30.00	30.00	30.00	30.00	3.00	3.00		

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	10/01/2022	1:33 PM	50607	19	45331	17								32.16	0.59	40.83	0.17		
Calculated Reading	10/02/2022	1:33 PM	50627	20	45349	18								31.58	0.58	40.66	0.17		
Harry Bradford	10/03/2022	1:33 PM	50647	20	45367	18	Running_On	Out Of Service_Off	Out Of Service_Off	66	10	14	1.11	31	0.58	40.5	0.16		
Calculated Reading	10/04/2022	9:16 AM	50668	21	45386	19								30.31	0.69	40.18	0.32		
Calculated Reading	10/05/2022	9:16 AM	50690	22	45406	20								29.62	0.69	39.87	0.31		
Calculated Reading	10/06/2022	9:16 AM	50712	22	45426	20								28.93	0.69	39.56	0.31		
Harry Bradford	10/07/2022	9:16 AM	50734	22	45446	20	Running_On	Standby_Auto	Standby_Auto	64	50	11.5	1.18	28.25	0.68	39.25	0.31		
Calculated Reading	10/08/2022	11:09 AM	50750	16	45460	14								27.75	0.5	39.06	0.19		
Calculated Reading	10/09/2022	11:09 AM	50766	16	45474	14								27.25	0.5	38.87	0.19		
Calculated Reading	10/10/2022	11:09 AM	50782	16	45488	14								26.75	0.5	38.68	0.19		
Harry Bradford	10/11/2022	11:09 AM	50798	16	45503	15	Standby_Auto	Standby_Auto	Standby_Auto	57	50	9.2	1.22	26.25	0.5	38.5	0.18	47	47
Calculated Reading	10/12/2022	9:57 AM	50813	15	45517	14								25.75	0.5	38.25	0.25		
Calculated Reading	10/13/2022	9:57 AM	50829	16	45531	14								25.25	0.5	38	0.25		
Harry Bradford	10/14/2022	9:57 AM	50845	16	45546	15	Standby_Auto	Standby_Auto	Standby_Auto	62	50	6.9	0.99	24.75	0.5	37.75	0.25		
Calculated Reading	10/15/2022	10:16 AM	50861	16	45560	14								24.25	0.5	37.66	0.09		
Calculated Reading	10/16/2022	10:16 AM	50878	17	45575	15								23.75	0.5	37.58	0.08		
Harry Bradford	10/17/2022	10:16 AM	50895	17	45590	15	Standby_Auto	Standby_Auto	Standby_Auto	63	50	14	1.28	23.25	0.5	37.5	0.08	54	52
Calculated Reading	10/18/2022	9:37 AM	50905	10	45599	9								22.87	0.38	37.31	0.19		
Calculated Reading	10/19/2022	9:37 AM	50915	10	45608	9								22.49	0.38	37.12	0.19		
Calculated Reading	10/20/2022	9:37 AM	50926	11	45618	10								22.12	0.37	36.93	0.19		
Harry Bradford	10/21/2022	9:37 AM	50937	11	45628	10	Standby_Auto	Standby_Auto	Standby_Auto	64	50	11.5	0.9	21.75	0.37	36.75	0.18	54	47
Calculated Reading	10/22/2022	12:32 PM	50950	13	45640	12								21.41	0.34	36.5	0.25		
Calculated Reading	10/23/2022	12:32 PM	50963	13	45652	12								21.08	0.33	36.25	0.25		
Harry Bradford	10/24/2022	12:32 PM	50977	14	45664	12	Standby_Auto	Standby_Auto	Standby_Auto	59	50	11.5	1.21	20.75	0.33	36	0.25		
Calculated Reading	10/25/2022	3:40 PM	50987	10	45673	9								20.33	0.42	35.91	0.09		
Calculated Reading	10/26/2022	3:40 PM	50997	10	45682	9								19.91	0.42	35.83	0.08		
Harry Bradford	10/27/2022	3:40 PM	51007	10	45691	9	Standby_Auto	Standby_Auto	Standby_Auto	64	50	9.2	0.97	19.5	0.41	35.75	0.08		
Calculated Reading	10/28/2022	9:24 AM	51017	10	45700	9								19.18	0.32	35.68	0.07		
Calculated Reading	10/29/2022	9:24 AM	51028	11	45709	9								18.87	0.31	35.62	0.06		
Calculated Reading	10/30/2022	9:24 AM	51039	11	45719	10								18.56	0.31	35.56	0.06		
Harry Bradford	10/31/2022	9:24 AM	51050	11	45729	10	Standby_Auto	Standby_Auto	Standby_Auto	62	50	10.5	0.92	18.25	0.31	35.5	0.06	54	47
Max			51050.00	22.00	45729.00	20.00	0.00	0.00	0.00	66.00	50.00	14.00	1.28	32.16	0.69	40.83	0.32	54.00	52.00
Min			50607.00	10.00	45331.00	9.00	0.00	0.00	0.00	57.00	10.00	6.90	0.90	18.25	0.31	35.50	0.06	47.00	47.00
Avg			50858.06	14.90	45557.00	13.39	#DIV/0!	#DIV/0!	#DIV/0!	62.33	45.56	10.92	1.09	24.32	0.47	37.72	0.18	52.25	48.25
Sum			1576600.00	462.00	1412267.00	415.00	0.00	0.00	0.00	561.00	410.00	98.30	9.78	753.92	14.50	1169.41	5.50	209.00	193.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	4.00	4.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM		
Calculated Reading	11/01/2022	8:40 AM	51063	13	45741	12								17.83	0.42	35.33	0.17				
Calculated Reading	11/02/2022	8:40 AM	51077	14	45753	12								17.41	0.42	35.16	0.17				
Harry Bradford	11/03/2022	8:40 AM	51091	14	45766	13	Standby_Auto	Standby_Auto	Standby_Auto	56	50	11.5	0.96	17	0.41	35	0.16				
Calculated Reading	11/04/2022	11:16 AM	51103	12	45777	11								16.62	0.38	35	0				
Calculated Reading	11/05/2022	11:16 AM	51116	13	45788	11								16.24	0.38	35	0				
Calculated Reading	11/06/2022	10:16 AM	51129	13	45800	12								15.87	0.37	35	0				
Harry Bradford	11/07/2022	10:16 AM	51142	13	45812	12	Standby_Auto	Standby_Auto	Standby_Auto	55	50	11.5	0.81	15.5	0.37	35	0	54	47		
Calculated Reading	11/08/2022	10:15 AM	51150	8	45819	7								15.5	0	47	0				
Calculated Reading	11/09/2022	10:15 AM	51158	8	45827	8								15.5	0	47	0				
Harry Bradford	11/10/2022	10:15 AM	51167	9	45835	8	Standby_Auto	Standby_Auto	Standby_Auto	59	50	9.2	1.02	15.5	0	47	0				
Calculated Reading	11/11/2022	10:36 AM	51179	12	45845	10								47	0.5	46.87	0.13				
Calculated Reading	11/12/2022	10:36 AM	51191	12	45855	10								46.5	0.5	46.74	0.13				
Calculated Reading	11/13/2022	10:36 AM	51203	12	45866	11								46	0.5	46.62	0.12				
Harry Bradford	11/14/2022	10:36 AM	51215	12	45877	11	Standby_Auto	Standby_Auto	Standby_Auto	62	50	9.2	1.58	45.5	0.5	46.5	0.12				
Calculated Reading	11/15/2022	1:47 PM	51225	10	45886	9								45.16	0.34	46.41	0.09				
Calculated Reading	11/16/2022	1:47 PM	51235	10	45895	9								44.83	0.33	46.33	0.08				
Harry Bradford	11/17/2022	1:47 PM	51245	10	45905	10	Standby_Auto	Standby_Auto	Standby_Auto	56	50	9.2	1.09	44.5	0.33	46.25	0.08				
Calculated Reading	11/18/2022	10:31 AM	51254	9	45913	8								44.18	0.32	46.12	0.13				
Calculated Reading	11/19/2022	10:31 AM	51263	9	45921	8								43.87	0.31	45.99	0.13				
Calculated Reading	11/20/2022	10:31 AM	51272	9	45929	8								43.56	0.31	45.87	0.12				
Harry Bradford	11/21/2022	10:31 AM	51282	10	45938	9	Standby_Auto	Standby_Auto	Standby_Auto	63	50	10.5	1.33	43.25	0.31	45.75	0.12				
Calculated Reading	11/22/2022	12:21 PM	51293	11	45948	10								42.87	0.38	45.5	0.25				
Harry Bradford	11/23/2022	12:21 PM	51305	12	45959	11	Standby_Auto	Standby_Auto	Standby_Auto	55	50	11.5	1.1	42.5	0.37	45.25	0.25	54	48		
Calculated Reading	11/24/2022	2:50 PM	51315	10	45968	9								42.4	0.1	45.1	0.15				
Calculated Reading	11/25/2022	2:50 PM	51325	10	45977	9								42.3	0.1	44.95	0.15				
Calculated Reading	11/26/2022	2:50 PM	51335	10	45986	9								42.2	0.1	44.8	0.15				
Calculated Reading	11/27/2022	2:50 PM	51346	11	45996	10								42.1	0.1	44.65	0.15				
Jordan Davis	11/28/2022	2:50 PM	51357	11	46006	10	Standby_Auto	Standby_Auto	Standby_Auto	56	50	11.5	1.14	42	0.1	44.5	0.15				
Calculated Reading	11/29/2022	11:12 AM	51365	8	46013	7								41.5	0.5	44.43	0.07				
Calculated Reading	11/30/2022	11:12 AM	51373	8	46020	7								41	0.5	44.37	0.06				
Max			51373.00	14.00	46020.00	13.00	0.00	0.00	0.00	63.00	50.00	11.50	1.58	47.00	0.50	47.00	0.25	54.00	48.00		
Min			51063.00	8.00	45741.00	7.00	0.00	0.00	0.00	55.00	50.00	9.20	0.81	15.50	0.00	35.00	0.00	54.00	47.00		
Avg			51225.80	10.77	45887.37	9.70	#DIV/0!	#DIV/0!	#DIV/0!	57.75	50.00	10.51	1.13	34.54	0.31	43.32	0.10	54.00	47.50		
Sum			1536774.00	323.00	1376621.00	291.00	0.00	0.00	0.00	462.00	400.00	84.10	9.03	1036.19	9.25	1299.49	3.13	108.00	95.00		
Count			30.00	30.00	30.00	30.00	0.00	0.00	0.00	8.00	8.00	8.00	8.00	30.00	30.00	30.00	30.00	2.00	2.00		

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	12/01/2022	11:12 AM	51381	8	46027	7								40.5	0.5	44.31	0.06		
Harry Bradford	12/02/2022	11:12 AM	51389	8	46034	7	Standby_Auto	Standby_Auto	Standby_Auto	63	50	8	1.1	40	0.5	44.25	0.06		
Calculated Reading	12/03/2022	9:30 AM	51399	10	46043	9								39.62	0.38	44.06	0.19		
Calculated Reading	12/04/2022	9:30 AM	51410	11	46053	10								39.24	0.38	43.87	0.19		
Calculated Reading	12/05/2022	9:30 AM	51421	11	46063	10								38.87	0.37	43.68	0.19		
Harry Bradford	12/06/2022	9:30 AM	51432	11	46073	10	Standby_Auto	Standby_Auto	Standby_Auto	57	50	12.5	1.69	38.5	0.37	43.5	0.18		
Calculated Reading	12/07/2022	9:07 AM	51445	13	46085	12								38.16	0.34	43.33	0.17		
Calculated Reading	12/08/2022	9:07 AM	51459	14	46097	12								37.83	0.33	43.16	0.17		
Harry Bradford	12/09/2022	9:07 AM	51473	14	46110	13	Standby_Auto	Standby_Auto	Standby_Auto	61	50	11.5	1.68	37.5	0.33	43	0.16	54	47
Calculated Reading	12/10/2022	11:36 AM	51483	10	46119	9								37.16	0.34	42.91	0.09		
Calculated Reading	12/11/2022	11:36 AM	51493	10	46128	9								36.83	0.33	42.83	0.08		
Harry Bradford	12/12/2022	11:36 AM	51504	11	46138	10	Standby_Auto	Standby_Auto	Standby_Auto	64	50	10.5	1.72	36.5	0.33	42.75	0.08		
Calculated Reading	12/13/2022	9:02 AM	51513	9	46146	8								36.31	0.19	42.68	0.07		
Calculated Reading	12/14/2022	9:02 AM	51522	9	46154	8								36.12	0.19	42.62	0.06		
Calculated Reading	12/15/2022	9:02 AM	51531	9	46163	9								35.93	0.19	42.56	0.06		
Harry Bradford	12/16/2022	9:02 AM	51541	10	46172	9	Standby_Auto	Standby_Auto	Standby_Auto	63	50	11.5	1.53	35.75	0.18	42.5	0.06	54	47
Calculated Reading	12/17/2022	11:07 AM	51550	9	46180	8								35.5	0.25	42.37	0.13		
Calculated Reading	12/18/2022	11:07 AM	51560	10	46189	9								35.25	0.25	42.24	0.13		
Calculated Reading	12/19/2022	11:07 AM	51570	10	46198	9								35	0.25	42.12	0.12		
Lucio Ayala	12/20/2022	11:07 AM	51580	10	46207	9	Standby_Auto	Standby_Auto	Standby_Auto	61	50	11	1.8	34.75	0.25	42	0.12		
Calculated Reading	12/21/2022	4:05 PM	51590	10	46216	9								34.5	0.25	41.75	0.25		
Lucio Ayala	12/22/2022	4:05 PM	51600	10	46225	9	Standby_Auto	Standby_Auto	Standby_Auto	63	50	9	1.6	34.25	0.25	41.5	0.25		
Jordan Davis	12/23/2022	8:42 AM	51622	22	46244	19	Standby_Auto	Standby_Auto	Standby_Auto	63	50	10.4	1.15	34	0.25	41.4	0.1		
Jordan Davis	12/24/2022	8:35 AM	51653	31	46271	27	Standby_Auto	Standby_Auto	Standby_Auto	63	50	12.5	1.05	33.75	0.25	41	0.4		
Calculated Reading	12/25/2022	2:59 PM	51678	25	46293	22								33.43	0.32	40.75	0.25		
Calculated Reading	12/26/2022	2:59 PM	51703	25	46315	22								33.12	0.31	40.5	0.25		
Calculated Reading	12/27/2022	2:59 PM	51728	25	46338	23								32.81	0.31	40.25	0.25		
Harry Bradford	12/28/2022	2:59 PM	51753	25	46361	23	Standby_Auto	Standby_Auto	Standby_Auto	57	50	14	1.11	32.5	0.31	40	0.25		
Calculated Reading	12/29/2022	12:09 PM	51761	8	46368	7								32.33	0.17	39.91	0.09		
Calculated Reading	12/30/2022	12:09 PM	51769	8	46375	7								32.16	0.17	39.82	0.09		
Calculated Reading	12/31/2022	12:09 PM	51777	8	46382	7								31.99	0.17	39.74	0.08		
Max			51777.00	31.00	46382.00	27.00	0.00	0.00	0.00	64.00	50.00	14.00	1.80	40.50	0.50	44.31	0.40	54.00	47.00
Min			51381.00	8.00	46027.00	7.00	0.00	0.00	0.00	57.00	50.00	8.00	1.05	31.99	0.17	39.74	0.06	54.00	47.00
Avg			51557.74	13.03	46186.03	11.68	#DIV/0!	#DIV/0!	#DIV/0!	61.50	50.00	11.09	1.44	35.81	0.29	42.17	0.15	54.00	47.00
Sum			1598290.00	404.00	1431767.00	362.00	0.00	0.00	0.00	615.00	500.00	110.90	14.43	1110.16	9.01	1307.36	4.63	108.00	94.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	10.00	10.00	10.00	10.00	31.00	31.00	31.00	31.00	2.00	2.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	01/01/2023	12:09 PM	51786	9	46390	8								31.82	0.17	39.66	0.08		
Calculated Reading	01/02/2023	12:09 PM	51795	9	46398	8								31.66	0.16	39.58	0.08		
Harry Bradford	01/03/2023	12:09 PM	51804	9	46406	8	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	9.2	0.91	31.5	0.16	39.5	0.08		
Calculated Reading	01/04/2023	8:56 AM	51811	7	46412	6								31.37	0.13	39.37	0.13		
Harry Bradford	01/05/2023	8:56 AM	51818	7	46419	7	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	8	0.94	31.25	0.12	39.25	0.12		
Calculated Reading	01/06/2023	9:48 AM	51827	9	46427	8								31.06	0.19	39.12	0.13		
Calculated Reading	01/07/2023	9:48 AM	51836	9	46435	8								30.87	0.19	38.99	0.13		
Calculated Reading	01/08/2023	9:48 AM	51846	10	46444	9								30.68	0.19	38.87	0.12		
Harry Bradford	01/09/2023	9:48 AM	51856	10	46453	9	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	8	1.13	30.5	0.18	38.75	0.12	53	48
Calculated Reading	01/10/2023	12:09 PM	51873	17	46469	16								30.16	0.34	38.5	0.25		
Calculated Reading	01/11/2023	12:09 PM	51891	18	46485	16								29.83	0.33	38.25	0.25		
Harry Bradford	01/12/2023	12:09 PM	51909	18	46501	16	Standby_Auto	Out Of Service_Off	Standby_Auto	56	50	14	1.01	29.5	0.33	38	0.25		
Calculated Reading	01/13/2023	11:30 AM	51917	8	46509	8								29.35	0.15	37.9	0.1		
Calculated Reading	01/14/2023	11:30 AM	51926	9	46517	8								29.2	0.15	37.8	0.1		
Calculated Reading	01/15/2023	11:30 AM	51935	9	46525	8								29.05	0.15	37.7	0.1		
Calculated Reading	01/16/2023	11:30 AM	51944	9	46533	8								28.9	0.15	37.6	0.1		
Harry Bradford	01/17/2023	11:30 AM	51953	9	46541	8	Standby_Auto	Out Of Service_Off	Standby_Auto	61	50	14	1.02	28.75	0.15	37.5	0.1		
Calculated Reading	01/18/2023	9:38 AM	51960	7	46547	6								28.58	0.17	37.41	0.09		
Calculated Reading	01/19/2023	9:38 AM	51967	7	46553	6								28.41	0.17	37.33	0.08		
Harry Bradford	01/20/2023	9:38 AM	51974	7	46560	7	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	10.5	0.82	28.25	0.16	37.25	0.08		
Calculated Reading	01/21/2023	11:31 AM	51984	10	46569	9								28	0.25	37.08	0.17		
Calculated Reading	01/22/2023	11:31 AM	51994	10	46578	9								27.75	0.25	36.91	0.17		
Harry Bradford	01/23/2023	11:31 AM	52004	10	46587	9	Standby_Auto	Out Of Service_Off	Standby_Auto	58	50	11.5	1.44	27.5	0.25	36.75	0.16		
Calculated Reading	01/24/2023	10:43 AM	52012	8	46594	7								27.31	0.19	36.56	0.19		
Calculated Reading	01/25/2023	10:43 AM	52020	8	46601	7								27.12	0.19	36.37	0.19		
Calculated Reading	01/26/2023	10:43 AM	52028	8	46608	7								26.93	0.19	36.18	0.19		
Harry Bradford	01/27/2023	10:43 AM	52036	8	46616	8	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	9.2	1.63	26.75	0.18	36	0.18		
Calculated Reading	01/28/2023	9:57 AM	52044	8	46623	7								26.5	0.25	35.91	0.09		
Calculated Reading	01/29/2023	9:57 AM	52053	9	46631	8								26.25	0.25	35.83	0.08		
Harry Bradford	01/30/2023	9:57 AM	52062	9	46639	8	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	11.5	1.67	26	0.25	35.75	0.08	54	47
Calculated Reading	01/31/2023	8:44 AM	52072	10	46648	9								25.75	0.25	35.43	0.32		
Max			52072.00	18.00	46648.00	16.00	0.00	0.00	0.00	63.00	50.00	14.00	1.67	31.82	0.34	39.66	0.32	54.00	48.00
Min			51786.00	7.00	46390.00	6.00	0.00	0.00	0.00	56.00	50.00	8.00	0.82	25.75	0.12	35.43	0.08	53.00	47.00
Avg			51933.45	9.52	46523.16	8.58	#DIV/0!	#DIV/0!	#DIV/0!	61.44	50.00	10.66	1.17	28.92	0.20	37.65	0.14	53.50	47.50
Sum			1609937.00	295.00	1442218.00	266.00	0.00	0.00	0.00	553.00	450.00	95.90	10.57	896.55	6.24	1167.10	4.31	107.00	95.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	2.00	2.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	02/01/2023	8:44 AM	52083	11	46658	10								25.5	0.25	35.12	0.31		
Calculated Reading	02/02/2023	8:44 AM	52094	11	46668	10								25.25	0.25	34.81	0.31		
Tyler Schneider	02/03/2023	8:44 AM	52105	11	46678	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	13.9	1.01	25	0.25	34.5	0.31		
Calculated Reading	02/04/2023	10:45 AM	52115	10	46687	9								24.66	0.34	34.41	0.09		
Calculated Reading	02/05/2023	10:45 AM	52125	10	46696	9								24.33	0.33	34.33	0.08		
Tyler Schneider	02/06/2023	10:45 AM	52135	10	46705	9	Standby_Auto	Out Of Service_Off	Standby_Auto	61	50	12.7	0.74	24	0.33	34.25	0.08		
Calculated Reading	02/07/2023	8:24 AM	52142	7	46714	9								23.75	0.25	34.12	0.13		
Calculated Reading	02/08/2023	8:24 AM	52150	8	46723	9								23.5	0.25	33.99	0.13		
Calculated Reading	02/09/2023	8:24 AM	52158	8	46733	10								23.25	0.25	33.87	0.12		
Tyler Schneider	02/10/2023	8:24 AM	52166	8	46743	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	9.2	1.7	23	0.25	33.75	0.12		
Calculated Reading	02/11/2023	10:39 AM	52177	11	46749	6								22.83	0.17	33.58	0.17		
Calculated Reading	02/12/2023	10:39 AM	52188	11	46756	7								22.66	0.17	33.41	0.17		
Tyler Schneider	02/13/2023	10:39 AM	52199	11	46763	7	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	12.7	1.4	22.5	0.16	33.25	0.16		
Calculated Reading	02/14/2023	8:40 AM	52206	7	46769	6								22.25	0.25	33.18	0.07		
Calculated Reading	02/15/2023	8:40 AM	52213	7	46775	6								22	0.25	33.12	0.06		
Calculated Reading	02/16/2023	8:40 AM	52220	7	46782	7								21.75	0.25	33.06	0.06		
Tyler Schneider	02/17/2023	8:40 AM	52228	8	46789	7	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	12.7	1.23	21.5	0.25	33	0.06		
Calculated Reading	02/18/2023	2:36 PM	52238	10	46798	9								21.25	0.25	32.91	0.09		
Calculated Reading	02/19/2023	2:36 PM	52248	10	46808	10								21	0.25	32.83	0.08		
Harry Bradford	02/20/2023	2:36 PM	52259	11	46818	10	Standby_Auto	Out Of Service_Off	Standby_Auto	58	50	11.5	1.54	20.75	0.25	32.75	0.08		
Calculated Reading	02/21/2023	8:27 AM	52268	9	46826	8								27.06	-6.31	36.06	-3.31		
Calculated Reading	02/22/2023	8:27 AM	52277	9	46834	8								33.37	-6.31	39.37	-3.31		
Calculated Reading	02/23/2023	8:27 AM	52286	9	46842	8								39.68	-6.31	42.68	-3.31		
Tyler Schneider	02/24/2023	8:27 AM	52295	9	46850	8	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	13.9	1.32	46	-6.32	46	-3.32		
Calculated Reading	02/25/2023	10:19 AM	52305	10	46859	9								46.66	0.34	45.91	0.09		
Calculated Reading	02/26/2023	10:19 AM	52316	11	46868	9								46.33	0.33	45.83	0.08		
Tyler Schneider	02/27/2023	10:19 AM	52327	11	46878	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	9.2	1.92	46	0.33	45.75	0.08		
Calculated Reading	02/28/2023	8:41 AM	52338	11	46888	10								45.93	0.07	45.68	0.07		
Max			52338.00	11.00	46888.00	10.00	0.00	0.00	0.00	64.00	50.00	13.90	1.92	46.66	0.34	46.00	0.31	0.00	0.00
Min			52083.00	7.00	46658.00	6.00	0.00	0.00	0.00	58.00	50.00	9.20	0.74	20.75	-6.32	32.75	-3.32	0.00	0.00
Avg			52209.32	9.50	46773.46	8.57	#DIV/0!	#DIV/0!	#DIV/0!	62.88	50.00	11.98	1.36	28.28	-0.69	36.48	-0.37	#DIV/0!	#DIV/0!
Sum			1461861.00	266.00	1309657.00	240.00	0.00	0.00	0.00	503.00	400.00	95.80	10.86	791.76	-19.18	1021.52	-10.25	0.00	0.00
Count			28.00	28.00	28.00	28.00	0.00	0.00	0.00	8.00	8.00	8.00	8.00	28.00	28.00	28.00	28.00	0.00	0.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	03/01/2023	8:41 AM	52349	11	46898	10								45.87	0.06	45.62	0.06		
Calculated Reading	03/02/2023	8:41 AM	52360	11	46908	10								45.81	0.06	45.56	0.06		
Tyler Schneider	03/03/2023	8:41 AM	52372	12	46919	11	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	9.2	0.74	45.75	0.06	45.5	0.06		
Calculated Reading	03/04/2023	10:11 AM	52383	11	46929	10								45.66	0.09	45.33	0.17		
Calculated Reading	03/05/2023	10:11 AM	52395	12	46940	11								45.58	0.08	45.16	0.17		
Tyler Schneider	03/06/2023	10:11 AM	52407	12	46951	11	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	10.4	1.62	45.5	0.08	45	0.16		
Tyler Schneider	03/07/2023	9:19 AM	52418	11	46961	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	12.7	1.8	44.5	1	44.75	0.25	54	47
Calculated Reading	03/08/2023	9:40 AM	52428	10	46970	9								44.33	0.17	44.58	0.17		
Calculated Reading	03/09/2023	9:40 AM	52439	11	46980	10								44.16	0.17	44.41	0.17		
Tyler Schneider	03/10/2023	9:40 AM	52450	11	46990	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	10.4	1.55	44	0.16	44.25	0.16		
Calculated Reading	03/11/2023	9:02 AM	52461	11	47000	10								43.75	0.25	44.08	0.17		
Calculated Reading	03/12/2023	10:02 AM	52472	11	47010	10								43.5	0.25	43.91	0.17		
Tyler Schneider	03/13/2023	10:02 AM	52484	12	47020	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	11.5	1.1	43.25	0.25	43.75	0.16		
Calculated Reading	03/14/2023	8:28 AM	52493	9	47028	8								43.06	0.19	43.5	0.25		
Calculated Reading	03/15/2023	8:28 AM	52503	10	47037	9								42.87	0.19	43.25	0.25		
Calculated Reading	03/16/2023	8:28 AM	52513	10	47046	9								42.68	0.19	43	0.25		
Tyler Schneider	03/17/2023	8:28 AM	52523	10	47055	9	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	11.6	1.84	42.5	0.18	42.75	0.25		
Calculated Reading	03/18/2023	9:22 AM	52533	10	47064	9								42.16	0.34	42.5	0.25		
Calculated Reading	03/19/2023	9:22 AM	52544	11	47074	10								41.83	0.33	42.25	0.25		
Tyler Schneider	03/20/2023	9:22 AM	52555	11	47084	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	9.2	1.43	41.5	0.33	42	0.25		
Calculated Reading	03/21/2023	11:17 AM	52565	10	47093	9								41.25	0.25	41.81	0.19		
Calculated Reading	03/22/2023	11:17 AM	52575	10	47102	9								41	0.25	41.62	0.19		
Calculated Reading	03/23/2023	11:17 AM	52586	11	47112	10								40.75	0.25	41.43	0.19		
Jordan Davis	03/24/2023	11:17 AM	52597	11	47122	10	Standby_Auto	Out Of Service_Off	Standby_Auto	57	50	11.5	1.69	40.5	0.25	41.25	0.18		
Calculated Reading	03/25/2023	11:12 AM	52607	10	47131	9								40.33	0.17	41.08	0.17		
Calculated Reading	03/26/2023	11:12 AM	52618	11	47141	10								40.16	0.17	40.91	0.17		
Tyler Schneider	03/27/2023	11:12 AM	52629	11	47151	10	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	13.9	1.83	40	0.16	40.75	0.16	53	48
Calculated Reading	03/28/2023	9:10 AM	52637	8	47159	8								39.75	0.25	40.56	0.19		
Calculated Reading	03/29/2023	9:10 AM	52646	9	47167	8								39.5	0.25	40.37	0.19		
Calculated Reading	03/30/2023	9:10 AM	52655	9	47175	8								39.25	0.25	40.18	0.19		
Tyler Schneider	03/31/2023	9:10 AM	52664	9	47183	8	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	13.9	1.32	39	0.25	40	0.18		
Max			52664.00	12.00	47183.00	11.00	0.00	0.00	0.00	64.00	50.00	13.90	1.84	45.87	1.00	45.62	0.25	54.00	48.00
Min			52349.00	8.00	46898.00	8.00	0.00	0.00	0.00	57.00	50.00	9.20	0.74	39.00	0.06	40.00	0.06	53.00	47.00
Avg			52511.65	10.52	47045.16	9.52	#DIV/0!	#DIV/0!	#DIV/0!	63.30	50.00	11.43	1.49	42.57	0.22	42.94	0.18	53.50	47.50
Sum			1627861.00	326.00	1458400.00	295.00	0.00	0.00	0.00	633.00	500.00	114.30	14.92	1319.75	6.93	1331.11	5.68	107.00	95.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	10.00	10.00	10.00	10.00	31.00	31.00	31.00	31.00	2.00	2.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM		
Calculated Reading	04/01/2023	10:07 AM	52676	12	47194	11								38.66	0.34	39.83	0.17				
Calculated Reading	04/02/2023	10:07 AM	52688	12	47205	11								38.33	0.33	39.66	0.17				
Tyler Schneider	04/03/2023	10:07 AM	52701	13	47216	11	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	13.9	1.22	38	0.33	39.5	0.16	54	47		
Calculated Reading	04/04/2023	9:02 AM	52712	11	47226	10								37.75	0.25	39.33	0.17				
Calculated Reading	04/05/2023	9:02 AM	52724	12	47237	11								37.5	0.25	39.16	0.17				
Tyler Schneider	04/06/2023	9:02 AM	52736	12	47248	11	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	11.6	1.15	37.25	0.25	39	0.16				
Calculated Reading	04/07/2023	9:39 AM	52746	10	47257	9								37	0.25	38.93	0.07				
Calculated Reading	04/08/2023	9:39 AM	52756	10	47266	9								36.75	0.25	38.87	0.06				
Calculated Reading	04/09/2023	9:39 AM	52767	11	47276	10								36.5	0.25	38.81	0.06				
Jordan Davis	04/10/2023	9:39 AM	52778	11	47286	10	Standby_Auto	Out Of Service_Off	Standby_Auto	62	50	11.6	1.51	36.25	0.25	38.75	0.06				
Calculated Reading	04/11/2023	8:19 AM	52788	10	47294	8								36.06	0.19	38.56	0.19				
Calculated Reading	04/12/2023	8:19 AM	52798	10	47303	9								35.87	0.19	38.37	0.19				
Calculated Reading	04/13/2023	8:19 AM	52808	10	47312	9								35.68	0.19	38.18	0.19				
Tyler Schneider	04/14/2023	8:19 AM	52818	10	47321	9	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	10.4	1.26	35.5	0.18	38	0.18				
Calculated Reading	04/15/2023	11:17 AM	52832	14	47334	13								35.16	0.34	37.91	0.09				
Calculated Reading	04/16/2023	11:17 AM	52847	15	47347	13								34.83	0.33	37.83	0.08				
Tyler Schneider	04/17/2023	11:17 AM	52862	15	47361	14	Standby_Auto	Out Of Service_Off	Standby_Auto	62	50	12.7	0.89	34.5	0.33	37.75	0.08				
Calculated Reading	04/18/2023	8:30 AM	52871	9	47369	8								34.31	0.19	37.62	0.13				
Calculated Reading	04/19/2023	8:30 AM	52880	9	47377	8								34.12	0.19	37.49	0.13				
Calculated Reading	04/20/2023	8:30 AM	52889	9	47385	8								33.93	0.19	37.37	0.12				
Harry Bradford	04/21/2023	8:30 AM	52899	10	47394	9	Standby_Auto	Out Of Service_Off	Standby_Auto	57	50	11.5	1	33.75	0.18	37.25	0.12				
Jordan Davis	04/21/2023	3:56 PM	52903	4	47398	4	Standby_Auto	Out Of Service_Off	Standby_Auto	58	50	10.4	1.23	33.75	0	37.25	0				
Calculated Reading	04/22/2023	10:52 AM	52913	10	47407	9								33.58	0.17	37.16	0.09				
Calculated Reading	04/23/2023	10:52 AM	52923	10	47416	9								33.41	0.17	37.08	0.08				
Tyler Schneider	04/24/2023	10:52 AM	52933	10	47425	9	Standby_Auto	Out Of Service_Off	Standby_Auto	60	50	11.6	1.08	33.25	0.16	37	0.08	51	53		
Calculated Reading	04/25/2023	8:54 AM	52942	9	47433	8								33.06	0.19	36.87	0.13				
Calculated Reading	04/26/2023	8:54 AM	52951	9	47441	8								32.87	0.19	36.74	0.13				
Calculated Reading	04/27/2023	8:54 AM	52961	10	47450	9								32.68	0.19	36.62	0.12				
Tyler Schneider	04/28/2023	8:54 AM	52971	10	47459	9	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	9.2	1.25	32.5	0.18	36.5	0.12				
Calculated Reading	04/29/2023	12:45 PM	52983	12	47470	11								32.16	0.34	36.25	0.25				
Calculated Reading	04/30/2023	12:45 PM	52996	13	47481	11								31.83	0.33	36	0.25				
Max			52996.00	15.00	47481.00	14.00	0.00	0.00	0.00	64.00	50.00	13.90	1.51	38.66	0.34	39.83	0.25	54.00	53.00		
Min			52676.00	4.00	47194.00	4.00	0.00	0.00	0.00	57.00	50.00	9.20	0.89	31.83	0.00	36.00	0.00	51.00	47.00		
Avg			52840.39	10.71	47341.55	9.61	#DIV/0!	#DIV/0!	#DIV/0!	61.56	50.00	11.43	1.18	35.06	0.23	37.92	0.13	52.50	50.00		
Sum			1638052.00	332.00	1467588.00	298.00	0.00	0.00	0.00	554.00	450.00	102.90	10.59	1086.79	7.17	1175.64	4.00	105.00	100.00		
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	2.00	2.00		

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Tyler Schneider	05/01/2023	12:45 PM	53009	13	47493	12	Standby_Auto	Out Of Service_Off	Standby_Auto	58	50	12.7	0.55	31.5	0.33	35.75	0.25	53	47
Calculated Reading	05/02/2023	9:20 AM	53022	13	47505	12								31.18	0.32	35.56	0.19		
Calculated Reading	05/03/2023	9:20 AM	53036	14	47517	12								30.87	0.31	35.37	0.19		
Calculated Reading	05/04/2023	9:20 AM	53050	14	47529	12								30.56	0.31	35.18	0.19		
Kevin Maloney	05/05/2023	9:20 AM	53064	14	47542	13	Standby_Auto	Out Of Service_Off	Standby_Auto	59	50	11.5	1.2	30.25	0.31	35	0.18		
Calculated Reading	05/06/2023	10:09 AM	53078	14	47555	13								29.83	0.42	34.83	0.17		
Calculated Reading	05/07/2023	10:09 AM	53092	14	47568	13								29.41	0.42	34.66	0.17		
Tyler Schneider	05/08/2023	10:09 AM	53106	14	47581	13	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	10.4	0.47	29	0.41	34.5	0.16		
Calculated Reading	05/09/2023	10:00 AM	53116	10	47589	8								28.81	0.19	34.31	0.19		
Calculated Reading	05/10/2023	10:00 AM	53126	10	47598	9								28.62	0.19	34.12	0.19		
Calculated Reading	05/11/2023	10:00 AM	53136	10	47607	9								28.43	0.19	33.93	0.19		
Kevin Maloney	05/12/2023	10:00 AM	53146	10	47616	9	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	12.5	0.94	28.25	0.18	33.75	0.18		
Calculated Reading	05/13/2023	10:36 AM	53155	9	47624	8								28.08	0.17	33.58	0.17		
Calculated Reading	05/14/2023	10:36 AM	53164	9	47632	8								27.91	0.17	33.41	0.17		
Tyler Schneider	05/15/2023	10:36 AM	53173	9	47640	8	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	8.1	0.99	27.75	0.16	33.25	0.16		
Calculated Reading	05/16/2023	8:35 AM	53184	11	47650	10								27.31	0.44	33.18	0.07		
Calculated Reading	05/17/2023	8:35 AM	53195	11	47660	10								26.87	0.44	33.12	0.06		
Calculated Reading	05/18/2023	8:35 AM	53207	12	47671	11								26.43	0.44	33.06	0.06		
Tyler Schneider	05/19/2023	8:35 AM	53219	12	47682	11	Standby_Auto	Out Of Service_Off	Standby_Auto	64	50	11.6	1.1	26	0.43	33	0.06		
Calculated Reading	05/20/2023	11:17 AM	53232	13	47694	12								25.66	0.34	32.83	0.17		
Calculated Reading	05/21/2023	11:17 AM	53245	13	47706	12								25.33	0.33	32.66	0.17		
Tyler Schneider	05/22/2023	11:17 AM	53259	14	47718	12	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	10.4	0.98	25	0.33	32.5	0.16		
Calculated Reading	05/23/2023	10:00 AM	53270	11	47728	10								24.75	0.25	32.37	0.13		
Calculated Reading	05/24/2023	10:00 AM	53282	12	47739	11								24.5	0.25	32.24	0.13		
Calculated Reading	05/25/2023	10:00 AM	53294	12	47750	11								24.25	0.25	32.12	0.12		
Tyler Schneider	05/26/2023	10:00 AM	53306	12	47761	11	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	9.2	1.2	24	0.25	32	0.12		
Calculated Reading	05/27/2023	2:54 PM	53320	14	47773	12								23.62	0.38	31.87	0.13		
Calculated Reading	05/28/2023	2:54 PM	53334	14	47786	13								23.24	0.38	31.74	0.13		
Calculated Reading	05/29/2023	2:54 PM	53348	14	47799	13								22.87	0.37	31.62	0.12		
Tyler Schneider	05/30/2023	2:54 PM	53363	15	47812	13	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	9.2	1.05	22.5	0.37	31.5	0.12	60	47
Calculated Reading	05/31/2023	12:28 PM	53374	11	47822	10								22.16	0.34	31.33	0.17		
Max			53374.00	15.00	47822.00	13.00	0.00	0.00	0.00	64.00	50.00	12.70	1.20	31.50	0.44	35.75	0.25	60.00	47.00
Min			53009.00	9.00	47493.00	8.00	0.00	0.00	0.00	58.00	50.00	8.10	0.47	22.16	0.16	31.33	0.06	53.00	47.00
Avg			53190.48	12.19	47656.35	11.00	#DIV/0!	#DIV/0!	#DIV/0!	62.33	50.00	10.62	0.94	26.93	0.31	33.37	0.15	56.50	47.00
Sum			1648905.00	378.00	1477347.00	341.00	0.00	0.00	0.00	561.00	450.00	95.60	8.48	834.94	9.67	1034.34	4.67	113.00	94.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	2.00	2.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	06/01/2023	12:28 PM	53386	12	47833	11								21.83	0.33	31.16	0.17		
Tyler Schneider	06/02/2023	12:28 PM	53398	12	47844	11	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	8	0.84	21.5	0.33	31	0.16		
Calculated Reading	06/03/2023	10:19 AM	53414	16	47858	14								21.16	0.34	30.83	0.17		
Calculated Reading	06/04/2023	10:19 AM	53430	16	47872	14								20.83	0.33	30.66	0.17		
Tyler Schneider	06/05/2023	10:19 AM	53446	16	47886	14	Standby_Auto	Out Of Service_Off	Standby_Auto	63	50	11.9	1	20.5	0.33	30.5	0.16	54	54
Calculated Reading	06/06/2023	8:20 AM	53459	13	47898	12								20.25	0.25	30.37	0.13		
Calculated Reading	06/07/2023	8:20 AM	53473	14	47910	12								20	0.25	30.24	0.13		
Calculated Reading	06/08/2023	8:20 AM	53487	14	47923	13								19.75	0.25	30.12	0.12		
Tyler Schneider	06/09/2023	8:20 AM	53501	14	47936	13	Standby_Auto	Standby_Auto	Standby_Auto	63	50	13.9	1.09	19.5	0.25	30	0.12		
Calculated Reading	06/10/2023	9:50 AM	53514	13	47947	11								18.83	0.67	29.83	0.17		
Calculated Reading	06/11/2023	9:50 AM	53527	13	47959	12								18.16	0.67	29.66	0.17		
Tyler Schneider	06/12/2023	9:50 AM	53540	13	47971	12	Standby_Auto	Standby_Auto	Standby_Auto	64	50	12.7	1.02	17.5	0.66	29.5	0.16		
Calculated Reading	06/13/2023	1:11 PM	53559	19	47988	17								17.25	0.25	29.37	0.13		
Calculated Reading	06/14/2023	1:11 PM	53579	20	48006	18								17	0.25	29.24	0.13		
Calculated Reading	06/15/2023	1:11 PM	53599	20	48024	18								16.75	0.25	29.12	0.12		
Harry Bradford	06/16/2023	1:11 PM	53619	20	48042	18	Standby_Auto	Standby_Auto	Standby_Auto	61	50	12.5	1.06	16.5	0.25	29	0.12		
Calculated Reading	06/17/2023	9:59 AM	53641	22	48061	19								15.62	0.88	28.75	0.25		
Calculated Reading	06/18/2023	9:59 AM	53663	22	48081	20								14.74	0.88	28.5	0.25		
Calculated Reading	06/19/2023	9:59 AM	53685	22	48101	20								13.87	0.87	28.25	0.25		
Tyler Schneider	06/20/2023	9:59 AM	53707	22	48121	20	Standby_Auto	Standby_Auto	Standby_Auto	62	50	9.2	0.88	13	0.87	28	0.25		
Calculated Reading	06/21/2023	9:51 AM	53725	18	48137	16								13	0	28	0		
Calculated Reading	06/22/2023	9:51 AM	53744	19	48154	17								13	0	28	0		
Kevin Maloney	06/23/2023	9:51 AM	53763	19	48171	17	Standby_Auto	Standby_Auto	Standby_Auto	63	50	9.2	1.05	13	0	28	0		
Calculated Reading	06/24/2023	10:13 AM	53789	26	48194	23								44	0.75	46	0.5		
Calculated Reading	06/25/2023	10:13 AM	53815	26	48217	23								43.25	0.75	45.5	0.5		
Tyler Schneider	06/26/2023	10:13 AM	53841	26	48241	24	Standby_Auto	Standby_Auto	Standby_Auto	63	50	13.9	1.22	42.5	0.75	45	0.5		
Calculated Reading	06/27/2023	9:53 AM	53865	24	48262	21								41.87	0.63	44.62	0.38		
Calculated Reading	06/28/2023	9:53 AM	53889	24	48284	22								41.24	0.63	44.24	0.38		
Calculated Reading	06/29/2023	9:53 AM	53914	25	48306	22								40.62	0.62	43.87	0.37		
Kevin Maloney	06/30/2023	9:53 AM	53939	25	48328	22	Standby_Auto	Standby_Auto	Standby_Auto	57	50	11.5	1.57	40	0.62	43.5	0.37		
Max			53939.00	26.00	48328.00	24.00	0.00	0.00	0.00	64.00	50.00	13.90	1.57	44.00	0.88	46.00	0.50	54.00	54.00
Min			53386.00	12.00	47833.00	11.00	0.00	0.00	0.00	57.00	50.00	8.00	0.84	13.00	0.00	28.00	0.00	54.00	54.00
Avg			53630.37	18.83	48051.83	16.87	#DIV/0!	#DIV/0!	#DIV/0!	62.11	50.00	11.42	1.08	23.23	0.46	33.03	0.21	54.00	54.00
Sum			1608911.00	565.00	1441555.00	506.00	0.00	0.00	0.00	559.00	450.00	102.80	9.73	697.02	13.91	990.83	6.33	54.00	54.00
Count			30.00	30.00	30.00	30.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	30.00	30.00	30.00	30.00	1.00	1.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	07/01/2023	9:57 AM	53968	29	48354	26								39.08	0.92	43.08	0.42		
Calculated Reading	07/02/2023	9:57 AM	53997	29	48380	26								38.16	0.92	42.66	0.42		
Tyler Schneider	07/03/2023	9:57 AM	54027	30	48407	27	Standby_Auto	Standby_Auto	Standby_Auto	61	50	11.5	1.27	37.25	0.91	42.25	0.41		
Calculated Reading	07/04/2023	10:23 AM	54044	17	48422	15								36.75	0.5	42.06	0.19		
Calculated Reading	07/05/2023	10:23 AM	54061	17	48437	15								36.25	0.5	41.87	0.19		
Calculated Reading	07/06/2023	10:23 AM	54078	17	48452	15								35.75	0.5	41.68	0.19		
Tyler Schneider	07/07/2023	10:23 AM	54095	17	48468	16	Standby_Auto	Standby_Auto	Standby_Auto	58	50	11.6	1.03	35.25	0.5	41.5	0.18		
Calculated Reading	07/08/2023	10:46 AM	54111	16	48482	14								34.75	0.5	41.41	0.09		
Calculated Reading	07/09/2023	10:46 AM	54127	16	48497	15								34.25	0.5	41.33	0.08		
Tyler Schneider	07/10/2023	10:46 AM	54144	17	48512	15	Standby_Auto	Standby_Auto	Standby_Auto	63	50	8	1.01	33.75	0.5	41.25	0.08		
Calculated Reading	07/11/2023	2:18 PM	54170	26	48535	23								32.93	0.82	40.81	0.44		
Calculated Reading	07/12/2023	2:18 PM	54196	26	48558	23								32.12	0.81	40.37	0.44		
Calculated Reading	07/13/2023	2:18 PM	54222	26	48582	24								31.31	0.81	39.93	0.44		
Tyler Schneider	07/14/2023	2:18 PM	54249	27	48606	24	Standby_Auto	Standby_Auto	Standby_Auto	59	50	11.6	1.22	30.5	0.81	39.5	0.43		
Calculated Reading	07/15/2023	10:18 AM	54281	32	48635	29								29.58	0.92	38.91	0.59		
Calculated Reading	07/16/2023	10:18 AM	54313	32	48664	29								28.66	0.92	38.33	0.58		
Tyler Schneider	07/17/2023	10:18 AM	54346	33	48693	29	Standby_Auto	Standby_Auto	Standby_Auto	61	50	11.6	1.27	27.75	0.91	37.75	0.58		
Calculated Reading	07/18/2023	4:43 PM	54379	33	48723	30								26.56	1.19	37.18	0.57		
Calculated Reading	07/19/2023	4:43 PM	54412	33	48753	30								25.37	1.19	36.62	0.56		
Calculated Reading	07/20/2023	4:43 PM	54446	34	48783	30								24.18	1.19	36.06	0.56		
Tyler Schneider	07/21/2023	4:43 PM	54480	34	48814	31	Standby_Auto	Standby_Auto	Standby_Auto	61	50	9.2	1.01	23	1.18	35.5	0.56		
Calculated Reading	07/22/2023	11:32 AM	54510	30	48841	27								22.25	0.75	35.33	0.17		
Calculated Reading	07/23/2023	11:32 AM	54541	31	48868	27								21.5	0.75	35.16	0.17		
Harry Bradford	07/24/2023	11:32 AM	54572	31	48895	27	Standby_Auto	Standby_Auto	Standby_Auto	61	50	14	0.97	20.75	0.75	35	0.16		
Calculated Reading	07/25/2023	9:40 AM	54602	30	48922	27								19.81	0.94	34.56	0.44		
Calculated Reading	07/26/2023	9:40 AM	54632	30	48949	27								18.87	0.94	34.12	0.44		
Calculated Reading	07/27/2023	9:40 AM	54662	30	48976	27								17.93	0.94	33.68	0.44		
Tyler Schneider	07/28/2023	9:40 AM	54693	31	49003	27	Standby_Auto	Standby_Auto	Standby_Auto	60	50	11.6	0.88	17	0.93	33.25	0.43	54	47
Calculated Reading	07/29/2023	11:19 AM	54729	36	49035	32								15.83	1.17	32.83	0.42		
Calculated Reading	07/30/2023	11:19 AM	54766	37	49068	33								14.66	1.17	32.41	0.42		
Kevin Maloney	07/31/2023	11:19 AM	54803	37	49101	33	Standby_Auto	Standby_Auto	Standby_Auto	56	50	11.5	0.83	13.5	1.16	32	0.41		
Max			54803.00	37.00	49101.00	33.00	0.00	0.00	0.00	63.00	50.00	14.00	1.27	39.08	1.19	43.08	0.59	54.00	47.00
Min			53968.00	16.00	48354.00	14.00	0.00	0.00	0.00	56.00	50.00	8.00	0.83	13.50	0.50	32.00	0.08	54.00	47.00
Avg			54343.74	27.87	48690.81	24.94	#DIV/0!	#DIV/0!	#DIV/0!	60.00	50.00	11.18	1.05	27.59	0.85	38.01	0.37	54.00	47.00
Sum			1684656.00	864.00	1509415.00	773.00	0.00	0.00	0.00	540.00	450.00	100.60	9.49	855.30	26.50	1178.39	11.50	54.00	47.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	1.00	1.00

Logsheet for DEERR WTP#1

Name	Date	Time	Well #1 Flow	Well #1 Pumpage	Well #2 Flow	Well #2 Pumpage	BP #1 Status	BP #2 Status	BP #3 Status	Sys PSI	HPT #1 % Air	GST #1 lvl	CL2 Res	Bleach lvl Inch	Bleach Inches Used	PO4 lvl Inch	PO4 Inches	Well #1 GPM	Well #2 GPM
Calculated Reading	08/01/2023	1:35 PM	54839	36	49133	32								12.37	1.13	31.37	0.63		
Tyler Schneider	08/02/2023	1:35 PM	54875	36	49165	32	Standby_Auto	Standby_Auto	Standby_Auto	62	50	11.6	0.94	11.25	1.12	30.75	0.62	61	54
Calculated Reading	08/03/2023	9:01 AM	54911	36	49196	31								9.87	1.38	30.75	0		
Jordan Davis	08/04/2023	9:01 AM	54947	36	49228	32	Standby_Auto	Standby_Auto	Standby_Auto	61	50	8	1.22	8.5	1.37	30.75	0		
Calculated Reading	08/05/2023	9:49 AM	54987	40	49264	36								7.58	0.92	30.33	0.42		
Calculated Reading	08/06/2023	9:49 AM	55027	40	49300	36								6.66	0.92	29.91	0.42		
Tyler Schneider	08/07/2023	9:49 AM	55068	41	49336	36	Standby_Auto	Standby_Auto	Standby_Auto	62	50	10.4	1.07	5.74	0.92	29.5	0.41		
Calculated Reading	08/08/2023	8:52 AM	55103	35	49367	31								5.74	0	29.31	0.19		
Calculated Reading	08/09/2023	8:52 AM	55138	35	49398	31								5.74	0	29.12	0.19		
Calculated Reading	08/10/2023	8:52 AM	55173	35	49429	31								5.74	0	28.93	0.19		
Tyler Schneider	08/11/2023	8:52 AM	55209	36	49461	32	Standby_Auto	Standby_Auto	Standby_Auto	63	50	9.2	1.26	5.74	0	28.75	0.18		
Calculated Reading	08/12/2023	9:19 AM	55245	36	49493	32								41.33	1.17	28.5	0.25		
Calculated Reading	08/13/2023	9:19 AM	55281	36	49525	32								40.16	1.17	28.25	0.25		
Tyler Schneider	08/14/2023	9:19 AM	55317	36	49557	32	Standby_Auto	Standby_Auto	Standby_Auto	63	50	11.6	1.03	39	1.16	28	0.25		
Calculated Reading	08/15/2023	9:43 AM	55352	35	49588	31								37.87	1.13	27.75	0.25		
Calculated Reading	08/16/2023	9:43 AM	55387	35	49619	31								36.74	1.13	27.5	0.25		
Calculated Reading	08/17/2023	9:43 AM	55422	35	49650	31								35.62	1.12	27.25	0.25		
Tyler Schneider	08/18/2023	9:43 AM	55458	36	49682	32	Standby_Auto	Standby_Auto	Standby_Auto	63	50	11.6	1.25	34.5	1.12	27	0.25		
Calculated Reading	08/19/2023	11:41 AM	55493	35	49713	31								33.41	1.09	26.5	0.5		
Calculated Reading	08/20/2023	11:41 AM	55529	36	49745	32								32.33	1.08	26	0.5		
Tyler Schneider	08/21/2023	11:41 AM	55565	36	49777	32	Standby_Auto	Standby_Auto	Standby_Auto	63	50	12.7	1.03	31.25	1.08	25.5	0.5		
Calculated Reading	08/22/2023	1:47 PM	55599	34	49807	30								30.06	1.19	25.5	0		
Calculated Reading	08/23/2023	1:47 PM	55633	34	49837	30								28.87	1.19	25.5	0		
Calculated Reading	08/24/2023	1:47 PM	55667	34	49867	30								27.68	1.19	25.5	0		
Tyler Schneider	08/25/2023	1:47 PM	55702	35	49898	31	Standby_Auto	Standby_Auto	Standby_Auto	63	50	11.6	0.94	26.5	1.18	25.5	0		
Calculated Reading	08/26/2023	11:00 AM	55734	32	49927	29								25.5	1	24.25	1.25		
Calculated Reading	08/27/2023	11:00 AM	55767	33	49956	29								24.5	1	23	1.25		
Tyler Schneider	08/28/2023	11:00 AM	55800	33	49985	29	Standby_Auto	Standby_Auto	Standby_Auto	59	50	12.7	0.97	23.5	1	21.75	1.25	47	48
Calculated Reading	08/29/2023	8:34 AM	55826	26	50008	23								22.62	0.88	21.5	0.25		
Calculated Reading	08/30/2023	8:34 AM	55852	26	50032	24								21.74	0.88	21.25	0.25		
Calculated Reading	08/31/2023	8:34 AM	55879	27	50056	24								20.87	0.87	21	0.25		
Max			55879.00	41.00	50056.00	36.00	0.00	0.00	0.00	63.00	50.00	12.70	1.26	41.33	1.38	31.37	1.25	61.00	54.00
Min			54839.00	26.00	49133.00	23.00	0.00	0.00	0.00	59.00	50.00	8.00	0.94	5.74	0.00	21.00	0.00	47.00	48.00
Avg			55380.16	34.71	49612.87	30.81	#DIV/0!	#DIV/0!	#DIV/0!	62.11	50.00	11.04	1.08	22.55	0.95	26.98	0.35	54.00	51.00
Sum			1716785.00	1076.00	1537999.00	955.00	0.00	0.00	0.00	559.00	450.00	99.40	9.71	698.98	29.39	836.47	11.00	108.00	102.00
Count			31.00	31.00	31.00	31.00	0.00	0.00	0.00	9.00	9.00	9.00	9.00	31.00	31.00	31.00	31.00	2.00	2.00

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: EMERALD LAKES SUBDIVISION
Regulated Entity Number: RN105348932

Investigation # 1888758

Investigator:RAZJA LEGINGTON

Conducted: 04/04/2023 -- 04/04/2023

Program: PUBLIC WATER SYSTEM/SUPPLY

Incident Numbers
Incident 397,747

Site Classification GW 251-1K CONNECTION

No Industry Code Assigned

Investigation Type : Compliance Investigation

Location : AT THE ENTRANCE OF EMERALD LAKE SUBDIVISION LEFT SIDE

Additional ID 1700777

Address: 1505 EMERALD LAKES DR; **City** WILLIS, **State** TX **Zip** 77378

Local Unit : REGION 12 - HOUSTON

Activity Type: PWSCMPL - PWS Complaint

Activity Type: PWSRECON - PWS Recon- Reconnaissance investigation for surface water and groundwater facilities.

Principal(s):

Role	RESPONDENT
Name	T & W WATER SERVICE COMPANY

Contact(s):

Role PARTICIPATED IN **Name** MS Karla Langreder
Title OFFICE MANAGER

Phone Number for Cell is (409) 770-4296
Phone Number for Office is (936) 756-7400
End of record for this contact

Role PARTICIPATED IN **Name** MR JORDAN DAVIS
Title OPERATOR

Phone Number for Work is (936) 756-7400
End of record for this contact

Role NOTIFIED **Name** MS Karla Langreder
Title OFFICE MANAGER

Phone Number for Cell is (409) 770-4296
Phone Number for Office is (936) 756-7400
End of record for this contact

Role REGULATED ENTITY MAIL CONTACT **Name** MR RONALD PAYNE
Title GENERAL MANAGER

Phone Number for Work is (936) 756-7400
Phone Number for Cell is (281) 639-9358
End of record for this contact

Role REGULATED ENTITY CONTACT **Name** MR RONALD PAYNE
Title GENERAL MANAGER

Phone Number for Cell is (281) 639-9358
Phone Number for Work is (936) 756-7400
End of record for this contact

Other Staff Member(s):

Role	QA Reviewer	**Name**	DESTINY GEPPERT
Role	Investigator	**Name**	SCOUT HARTLAGE
Role	Supervisor	**Name**	NICHOLE NUNES

Associated Check List

Checklist Name WATER EQUIPMENT
Unit Name Equipment
Checklist Name PWS COMPLAINT INVESTIGATION
Unit Name Investigation

Investigation Comments:

INTRODUCTION
The Texas Commission on Environmental Quality (TCEQ) Houston Regional Office received a complaint on March 21, 2023, alleging discoloration of water (Incident Number (No.) 397747) regarding Emerald Lakes Subdivision, Public Water Supply (PWS) ID 1700777. In response to the allegation, TCEQ Environmental Investigators (EIs) Razja Legington and Scout Hartlage conducted an on-site Complaint Investigation on April 4, 2023. Advanced notice was provided to Ms. Karla Langreder, Office Manager with Blue Topaz Utilities, on April 3, 2023, via telephone to gain access to the distribution system. The investigation was conducted with Mr. Jordan W. Davis, Operator with Blue Topaz Utilities.

The exit interview was conducted at the end of the investigation, but no Exit Interview Form (EIF) was provided because no violations were alleged.

A general compliance letter was sent to the water system, and a letter with a copy of the investigation report was sent to the complainant.

BACKGROUND
The most recent TCEQ Comprehensive Compliance Investigation (CCI, Investigation No. 1789323) was conducted at Emerald Lake Subdivision on February 10, 2022. The investigation resulted in a Notice of Violation (NOV) dated April 11, 2022, which included alleged violations for failure to provide a copy of the drought contingency plan (Track No. 807754) and for failure to maintain the good working condition and general appearance of the system's facilities and equipment (Violation Track No. 807757). The violations were resolved in a subsequent file record review.

Emerald Lakes Subdivision has had nine complaints received by the TCEQ Houston Region office in the five years preceding this investigation. All nine incidents were associated with one investigation, which was conducted in response to the following allegations: water was discolored (orange, brown, light brown, rusty, red, and yellow), has a bad taste, has an odor (strong chlorine and mold), and contains sediment, sand, dirt, silt, and minerals. No alleged violations were issued as a result of the complaint investigation.

A query of the TCEQ's Consolidated Compliance and Enforcement Data System (CCEDS) showed no open alleged violations for this PWS at the time of the investigation.

GENERAL FACILITY AND PROCESS INFORMATION
Emerald Lakes Subdivision is a community PWS owned and operated by T & W Water Service Company (Blue Topaz Utilities) and provides groundwater to approximately 351 connections with an estimated population of 1053. Per 30 TAC §290.38(16), a connection is defined as a single-family residential unit or each commercial or industrial establishment to which drinking water is supplied from the system. The system serves Emerald Lakes and Hidden Spring Ranch Subdivisions.

Plant No. 1 is located at 1505 Emerald Lakes Drive (Entry Point 1) treats with sodium hypochlorite for disinfection purposes prior to entering the ground storage tanks.

Plant No. 2 is located at 36 Hidden Springs Drive (Entry Point 2) treats with sodium hypochlorite for disinfection purposes and sequesters with polyphosphate (NAPCO 201D) prior to entering the ground storage tank. Polyphosphate reacts with soluble metals, such as iron and manganese, by sequestering, or binding-up, the metals to form soluble complexes that maintain their solubility in water and do not precipitate out. Polyphosphate sequestering minimizes the risk of discoloration, staining, scaling, taste/odor and other water quality complaints.

See Drinking Water Watch (DWW) for additional system details. DWW is a searchable database of analytical results and compliance data for public water systems which is available to the general public. This data was obtained from the DWW database. DWW is a searchable database of analytical results and compliance data for public water systems which is available to the general public.

ADDITIONAL INFORMATION

The TCEQ has regulatory authority for PWS's as prescribed in Title 30 of the Texas Administrative Code (TAC) Chapter 290. The TCEQ is required to ensure that PWS's supply safe drinking water in adequate quantities as prescribed by the Texas Health and Safety Code (THSC), Chapter 341, Subchapter C, and 30 TAC §290.39(a). As needed, the TCEQ collects samples within PWS distribution systems. Per 30 TAC §290.38(22), a distribution system is defined as a system of pipes that conveys potable water from a treatment plant to the consumers. Once the drinking water passes through a consumer's meter, it is no longer conveyed through the distribution system and not subject to the TCEQ's regulatory authority.

On March 24, 2023, EI Razja Legington attempted to contact the complainant, via phone call, but was unsuccessful. A Voice message was left for the complainant at the time of the call.

Chemical Analysis:
Iron and Manganese are naturally occurring metals which are a source of discoloration from some water sources in Texas. These metals produce various degrees of yellow, red, or black discoloration in the water and can stain plumbing fixtures. A chemical analysis of the water is necessary to quantify concentrations. The maximum allowable concentration for iron is 0.3 mg/l and 0.05 mg/l for manganese. Iron and manganese concentrations of 1.0 mg/l or less may be effectively controlled by sequestration with polyphosphates. Please note that polyphosphate addition will not change the amount of iron or manganese in the water, so the chemical analysis of these constituents will not change as a result of its addition.

Before the on-site visit on April 4, 2023, EI Legington reviewed the most recent iron, manganese, and total dissolved solids (TDS) chemical analysis results for Emerald Lake Subdivision's source water and distribution system on DWW. According to 30 TAC §290.118(c)(1), secondary constituents shall be sampled every three years at the entry point of the distribution system. While primary standards are established to protect public health, SMCLs are set for constituents that may have aesthetic effects in drinking water (e.g. taste, odor, or color). It was noted that the water system was in compliance with the above listed Secondary Drinking Water Standards at the time of the investigation.

Iron and manganese are normally carried in suspension in water but may oxidize if they come into contact with chlorine or air in a storage or pressure tank. They may then form particulates which drop out of suspension. They sometimes cause discoloration of water or odor or taste issues. They may stain laundry or fixtures, as agitation of the water or the addition of bleach can cause oxidation. Iron may cause yellow, orange, red, or brown discoloration, depending on the level of oxidation. Manganese may cause brown or black discoloration.

One method of addressing iron and manganese is the addition of polyphosphate, orthophosphate, or a blended phosphate treatment. These are drinking water-safe additives that don't remove the iron or manganese but aid in binding them in their soluble forms so that they are less likely to oxidize and precipitate

Tetra Tech:
EI Legington checked for potential corrosivity using the Tetra Tech Model, together with the chemical analysis information provided on the DWW website. Tetra Tech is an indicator model that can be used to identify PWSs that may have corrosive water. In order to identify potential corrosivity, the model utilizes four different indices, namely: pH, Langelier Index, Ryzner Index, and Aggressiveness Index. The water is considered potentially corrosive if any two of the following conditions occur: pH is less than 7.0, Langelier Index is -1.0 or less, Ryzner Index is 8.5 or more, and Aggressiveness Index is less than 10. The model identified Emerald Lakes Subdivision to have the following for EP001: Langelier Index is 0.43, Ryzner Index is 6.74, Aggressiveness Index is 12.11, and the interim pH is 7.6 . Based on the information provided by the model for the entry point thewater system does not have potentially corrosive water (Attachment 1).

Field Monitoring Activities:
At the time of the field investigation, the disinfectant residual concentration, distribution pressure, and color were monitored at a hydrant in the 1500 block of Citron Court. The location had a 1.47 milligrams per liter (mg/L) free chlorine concentration measured with a HACH DR 900 Portable Colorimeter (Attachment 2, Photograph 1), a concentration of 0.04 mg/L of manganese (Attachment 2, Photograph 2), and a pressure of 61 pounds per square inch (psi) measured with a potable water pressure gauge (Attachment 2, Photograph 3). Because manganese interferes with chlorine readings, the free chlorine residual reading after manganese has been corrected for is 1.43 mg/L. The residual disinfectant concentration is required to be greater than or equal to 0.2 free chlorine per 30 TAC §290.46(d)(2) (A)and the pressure is required to be greater than or equal to 35 psi per 30 TAC §290.46(r) within the distribution system. The pressure and chlorine reading were compliant with TCEQ regulations.

The color was measured with a HACH Color Test Kit Model CO-1 to be between 5 to 10 color units (CU) (Attachment 2, Photograph 4) . Water color can be caused by naturally occurring constituents in the drinking water (e.g. iron or manganese), construction activities, or operation and maintenance issues with the water system. As stated in 30 TAC §290.105 and 30 TAC §290.118(b), the secondary maximum constituent level (SCML) for water color is 15 color units (CU).

Record Review:
The following records were requested for review via email sent on April 3, 2023: Complaint logs from January 1, 2023, to March 31, 2023, distribution map, flushing Logs from January 1, 2023, to March 31, 2023, and chlorine residual logs from January 1, 2023, to March 31, 2023. (Attachment 3).

On April 4, 2023, Ms. Langreder provided flushing logs, distribution map, distribution chlorine residual records and maintenance logs (Attachment 4).

On May 2, 2023, complaint log records were requested via telephone from Ms. Langreder.

On May 3, 2023, Ms. Langreder provided complaint logs via email (Attachment 5).

Based on the information gathered, no violations are being alleged as a result of this investigation, and the allegation could not be confirmed.

No Violations Associated to this Investigation

Citations include TAC or T. A. C. which stands for Texas Administrative Code

No or N. O. stands for Number and Pg or P. G. stands for page.
Req or R. E. Q. stands for requirements

Signature lines for Environmental Investigator and supervisor with dates

Signed Razja Legington **Date** 5/26/2023

Environmental Investigator

Signed **Date** 5/26/2023

Supervisor

Checklist for different types of attachments

Attachments: (in order of final report submittal)

____Enforcement Action Request (EAR)

X Letter to Facility (specify type) : GC

Investigation Report

____Sample Analysis Results

____Manifests

____Notice of Registration

____Maps, Plans, Sketches

____Photographs

____Correspondence from the facility

X Other (specify) :

See list of attachments

List of Attached files
Merged Attachments.pdf

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 30, 2023

Mr. Ronald L. Payne
General Manager
T & W Water Service Company
Post Office Box 2927
Conroe, Texas 77305-2927

Re: General Compliance Letter for Complaint Investigation at:
Emerald Lake Subdivision, 1505 Emerald Lakes Drive, Willis, Montgomery County, Texas,
Regulated Entity No.: 105348932, TCEQ ID No.: 1700777, Investigation ID No.:1888758

Dear Mr. Payne

On April 4, 2023, Mr. Razja Legington and Ms. Scout Hartlage of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for public water supply. No violations are being alleged as a result of the investigation. This investigation was the result of a complaint. For information regarding our complaint policies and procedures, please refer to the following website: https://www.tceq.texas.gov/compliance/complaints.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Razja Legington in the Houston Region Office at Phone number (713)-717-3617.

Sincerely,

Nichole Batista Nunes
Water Section Team Leader
Houston Region Office

NBN/RL/pl

cc: Ms. Karla Langreder, Office Manager, Bluetopaz Utilities, Post Office Box 2927, Conroe, Texas, 77305-2927
via email

Texas Commission on Environmental Quality
Investigation Report
Emerald Lakes Subdivision
RN: 105348932, PWS ID: 1700777
Investigation No.: 1888758
Record Review Investigation
Conducted on April 4, 2023

LIST OF ATTACHMENTS

Attachment 1

ID:	PWS (TX1700777); EP001; Sample ID (AG11654); Sample Date (09-06-2022)

Measured TDS	**345**	mg/L
Measured temperature	**27.22**	deg C
Measured pH	**7.6**	s.u.
Measured alk, as $CaCO_3$ (=total alkalinity)	**204**	mg/L
Measured Ca, as $CaCO_3$ (= the Ca^{2+} concentration for the sample ID * 2.5; else use the Avg. Ca^{2+} over the yrs * 2.5 (if the value of Ca^{2+} is not available))	**159.75**	mg/L
Measured Cl	**37**	mg/L
Measured SO_4	**10**	mg/L

°F to °C Converter	
Temp (°F)	Temp (°C)
75.00	23.8889

	Unit	Desired Values		Actual Values	Result	Corrosive?
Interim pH	s.u.	>=	**7**	7.6	OK	**Not Corrosive**
Langelier index		>	**-1**	0.43	OK	
Ryznar index		<	**8.5**	6.74	OK	
Aggressiveness Index		>=	**10**	12.11	OK	

Attachment 2