

1 specify the size of any of the distribution lines. The TCEQ administers regulation that
2 pertains to minimum waterline size, which is evaluated during the engineering review prior
3 to a water system becoming TCEQ approved. At this time, the TCEQ has not made a
4 determination that there are deficiencies or problems with the lines; furthermore, the PWS
5 being purchased is a TCEQ approved PWS.

6 **Q. Have the conditions of any judicial decree, compliance agreement, or other**
7 **enforcement order not been substantially met by the Purchaser?**

8 A. The Purchaser does not have a known history of non-compliance with a judicial decree,
9 compliance agreement, or an enforcement orders. As stated previously, the utility does not
10 have any outstanding compliance concerns.

11 **Q. What is the experience of the Purchaser as a utility service provider?**

12 A. Information provided by the Purchaser in the application shows that the Purchaser has been
13 in operation since 1986 as a retail water utility provider. The Purchaser currently maintains
14 and operates four PWSs. Mr. Walter Carroll, stockholder of the water utility, was a licensed
15 water operator from 1981 through 2003.

16 **Q. Does the Purchaser have a history of noncompliance with the requirements of the**
17 **TCEQ, the Commission, or the Texas Department of State Health Service or continuing**
18 **mismanagement or misuse of revenues as a utility service provider?**

19 A. The Purchaser, as stated previously, does not currently have any outstanding violations with
20 TCEQ. An enforcement action was enacted by TCEQ as a result of CCI's conducted on
21 February 7 and 8, 2001 on each of the Purchaser's aforementioned PWS's. On July 23, 2003

1 the Purchaser entered into an Agreed Order (Docket No. 2001-1379-PWS-E)⁵ with the
2 TCEQ to address the matter. The Purchaser implemented corrective measures, and paid the
3 TCEQ prescribed administrative penalty, which completely resolved the violations set forth
4 in the enforcement action. The final order was included in the application attachments.
5 Mr. Fred Bednarski addresses the financial and managerial capability of the Purchaser, on
6 behalf of Staff, in his pre-filed testimony. Moreover, the Purchaser is in compliance with the
7 Commission and the Texas Department of Health.

8 **III. CONCLUSION**

9 **Q. Do you believe the proposed transaction serves the public interest? Why or why not?**

10 A. Yes, based on the testimony provided by Mr. Fred Bednarski and the information in my
11 testimony, I believe the proposed transaction will serve the public interest. The husband of
12 Community's president has been experiencing health issues and has had difficulty
13 maintaining the PWS to be transferred as part of this proposed transaction; consequentially,
14 the PWS well pump failed. The Purchaser agreed to aid the PWS by installing a new pump
15 for partial compensation towards the proposed purchase of the system involved in this
16 transaction. This is supported by the agreement filed by the Applicants in their pre-filed
17 testimony, as well as statements made in the original application.

18 The failure to maintain the PWS in good working order by the current owner is not in the
19 public interest. Because of actions of the Purchaser, the customers are continuing to receive
20 continuous and adequate water via the replaced well pump. Therefore, I believe the

⁵ *In the Matter of an Enforcement Action against Walter J. Carroll Water Company, Inc. TCEQ PWS NOs 0700057, 0700058, and 0700063, 0700064 CCN NO. 11543 Before the Texas Commission on Environmental Quality Docket No. 2001-1379-PWS-E (July 23, 2003) Attachment EE-4.*

1 transaction will serve the public interest.

2 **Q. What is your recommendation in regard to the Purchaser's request to purchase a**
3 **portion of CCN No. 10091 from the Seller and to amend the respective water CCNs for**
4 **both the Purchaser (CCN No. 11543) and the Seller (CCN No. 10091)?**

5 A. Based on my review and analysis of the application, and the analysis of Mr. Fred Bednarski
6 regarding the financial and managerial capability of the Purchaser, I recommend that the
7 application be granted as proposed.

8 **Q. Does this conclude your direct, pre-filed testimony?**

9 A. Yes, but I reserve the right to supplement this testimony before the hearing or during the
10 course of the hearing as new evidence is presented.

Attachment EE-1: Elisabeth English Resume

ELISABETH M. ENGLISH

Professional Experience

Engineering Specialist IV

Public Utility Commission of Texas (PUC)

December 2014- Present

A technical expert on a broad range of water and sewer utility issues. Work involves the analysis of applications and appeals received by the PUC, and providing recommendations regarding the applicability and sufficiency of those filings to legal staff.

- Review water and sewer utility rate, Certificate of Convenience and Necessity (CCN), Sale Transfer Merger (STM), and Streamline Expedited Release applications and petitions pursuant to the procedural schedules set forth by an Administrative Law Judge (ALJ).
- Providing technical assistance and rule interpretations to the public related to water and sewer utilities.
- Assisting in the creation of staff guidance for CCN rule analysis and form revisions for water rates.
- Preparing written technical reports and memo's supporting PUC staff conclusions regarding the merits of water and sewer filings that seek relief from the PUC.

Natural Resource Specialist

University of Texas – Arlington (TCEQ division)

August 2013- November 2014

A representative for the University of Arlington Business Development Division working with the Texas Commission on Environmental Quality (TCEQ) in the Public Drinking Water Section (PDWS) to meet the demands of approximately 7000 water systems in Texas, specializing in rule interpretation and writing regulatory guidance material for the Drinking Water Quality (DWQ) team.

- Refining the management of an ongoing drinking water quality program and reorganizing the data flow to meet the most current needs of the section, and TCEQ as a whole.
- Generating regulatory guidance material and tools to assist the regulated community with compliance.
- Performed an in depth analysis of all drinking water quality regulations.

Other roles within the PDWS:

- **Boil Water Notice program**: Improved upon the Standard Operating Procedures (SOP) to standardize workflow to increase the efficiency of the program. Reduced the number of outstanding incidents from 350 to 190 during this time (approximately 45 days).
- **Enforcement**: Researched and created enforcement cases to be referred to TCEQ enforcement division. Average weekly production of 4-5 cases, maximum output of 10 during one week. Regional background enabled efficiency and productivity with little training.
- Extensive use of Safe Drinking Water Information System (SDWIS), Consolidated Compliance and Enforcement Data System (CCEDS) and the Water Utility Database (WUD).
- **Chemical compliance**: Created and modified chemical sampling schedules based on exceedances and inventory changes.

Environmental Investigator III

Texas Commission of Environmental Quality (TCEQ)

March 2009- August 2012

A government agent responsible for inspecting and investigating public water systems in Houston and the surrounding counties Houston Region was responsible for approximately 3500 systems to be investigated every 3-5 years to verify compliance with the Safe Drinking Water Act (SDWA).

Direct Testimony of Elisabeth English

November 2015

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- 5-10 investigations were conducted monthly. The region completes over 50% of the states workload per year for investigations conducted.
- Worked independently from field to desk for all assigned tasks.
- Evaluated, analyzed and summarized evidence and investigative findings into written reports regarding complex water systems and complaints related to public water systems. The reports are published for public record.
- Provided professional and administrative support to water consumers, and investigated any claims of misconduct within TCEQ jurisdiction.

Training: OSHA/HAZMAT 40hr certified, Witness Training, EPA Sanitary Survey Training, NIMS Emergency Response

Additional Experience

Bachelor of Science: Texas State University, San Marcos August 2003- December 2008

Major: BIOLOGY

Minor: English (technical writing focus).

Undergraduate Research Assistant

San Marcos National Fish Hatchery
2007-August 2007

May

Assisted with the execution of a research proposal, under the supervision of Dr. C. Phillips (San Marcos National Fish Hatchery) and Dr. T. Bonner (Texas State University) and coordinated by the San Marcos National Fish Hatchery. The study was a comparative marker (acrylic paint vs. VIE) analysis on the San Marcos salamander and fountain darter (*Eurycea nana* & *Etheostoma fonticola*) to establish the retention and effectiveness of marks. It was determined that the method was useful for management and did not hamper growth or survival of the animal. (*An Evaluation of Visible Implant Elastomer for Marking the Federally Listed Fountain Darter and the San Marcos salamander*. Catherine T. Phillips; *North American Journal of Fisheries Management*; Vol 29, Issue 3).

Biology Computer Lab Supervisor and Tutor

Texas State University
2005-May 2007

Sept

Managed the operation of the Biology Computer Lab (Texas State University) including work schedules, bi-yearly reports, and supervising up to four other student assistants. Provided tutoring to biology undergraduate students which usually involved the development of research skills required for biology classes.

Attachment EE-2: TCEQ Central Registry Database

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Central Registry

Detail of: **Public Water System/Supply Registration 0700064**

For: **SPANISH GRANT SUBDIVISION (RN102681970)**

11.4 MI W OF I35 ON FM 1446

Registration **ACTIVE**

Status:

Held by: **WALTER J CARROLL WATER COMPANY INC (CN600666507)**

RESPONSIBLE PARTY Since 08/17/2003

Mailing Address: Not on file

Notice of Violations Current TCEQ Rules

NOV Date	Status	Citation/Requirement Provision	Allegation	Classification	Self Reporting Indicator
09/30/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(1) (Not applicable to CH)	Failure to calibrate raw water meters for Well#1 (G0700064A) and Well#2 (G0700064B).	MINOR	NO
09/30/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(2)(C)(i) (Not applicable to CH)	Failure to check the accuracy of the manual disinfectant residual analyzer.	MINOR	NO

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Central Registry

Detail of: **Public Water System/Supply Registration 0700063**

For: **GRANDE CASA (RN102688041)**

531 GRANDE CASA RD, WAXAHACHIE

Registration **ACTIVE**

Status:

Held by: **WALTER J CARROLL WATER COMPANY INC (CN600666507)**

RESPONSIBLE PARTY

Mailing Address: Not on file

Notice of Violations Current TCEQ Rules

NOV Date	Status	Citation/Requirement Provision	Allegation	Classification	Self Reporting Indicator
11/05/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(f)(3)(A)(Iii) (Not applicable to CH)	Failure to compile and maintain records of complaints received by the facility and the results of any subsequent investigation.	MINOR	NO
11/05/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(1) (Not applicable to CH)	Failure to calibrate raw water meters for Well#1 (G0700063A).	MINOR	NO
11/05/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(2)(C)(I) (Not applicable to CH)	Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations.	MINOR	NO
06/28/2011	RESOLVED	30 TAC Chapter 290, SubChapter D 290.42(a) (Not applicable to CH)	Failure to protect chlorine cylinders from adverse weather conditions at the Grande Casa pump station.	MINOR	NO
11/05/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.42(a) (Not applicable to CH)	Failure to protect chlorine cylinders from adverse weather conditions at the Grande Casa pump station.	MINOR	NO
06/28/2011	RESOLVED	30 TAC Chapter 290, SubChapter D 290.45(b)(1)(C)(iv) (Not applicable to CH)	Failure to have a pressure tank capacity of 20 gallons per connection.	MINOR	NO
11/05/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.45(b)(1)(C)(iv) (Not applicable to CH)	Failure to have a pressure tank capacity of 20 gallons per connection.	MINOR	NO

http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=iwr.novdetail&addn_id=556763... 11/5/2019 0000021

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Central Registry

Detail of: **Public Water System/Supply Registration 0700057**

For: **LAKEVIEW RANCHETTES (RN101266682)**

4111 MILLER RD, MIDLOTHIAN

Registration **ACTIVE**

Status:

Held by: **WALTER J CARROLL WATER COMPANY INC (CN600666507)**

RESPONSIBLE PARTY Since 10/15/2009

Mailing Address: Not on file

Notice of Violations Current TCEQ Rules

NOV Date	Status	Citation/Requirement Provision	Allegation	Classification	Self Reporting Indicator
10/31/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.45(b)(1)(C)(i) (Not applicable to CH)	Failure to provide a well capacity of 0.6 gallons per minute per connection.	MINOR	NO
10/31/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(m)(1)(A) (Not applicable to CH)	Failure to maintain 20,000-gallon storage tank at Pump station #1 in a corrosive free state.	MINOR	NO
10/31/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(1) (Not applicable to CH)	Failure to calibrate well meter, on Well #1 (G0700057A).	MINOR	NO
10/31/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(2)(C)(i) (Not applicable to CH)	Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations.	MINOR	NO

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Central Registry

Detail of: **Public Water System/Supply Registration 0700058**

For: **EMERALD FOREST (RN101193431)**

5 MI W OF I35 ON FM 1446

Registration **ACTIVE**

Status:

Held by: **WALTER J CARROLL WATER COMPANY INC (CN600666507)**

OWNER OPERATOR Since 01/09/2006

Mailing Address: Not on file

Notice of Violations Current TCEQ Rules

NOV Date	Status	Citation/Requirement Provision	Allegation	Classification	Self Reporting Indicator
10/30/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(1) (Not applicable to CH)	Failure to calibrate raw water meter for Well#1 (G0700058A).	MINOR	NO
10/30/2013	RESOLVED	30 TAC Chapter 290, SubChapter D 290.46(s)(2)(C)(I) (Not applicable to CH)	Failure to check the accuracy of the manual disinfectant residual analyzers.	MINOR	NO

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Attachment EE-3: TCEQ Investigation Report

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 5, 2015

Mrs. Bonnie Frame, Owner
Community Water Service Inc.
P O Box 850155
Mesquite, Texas 75185-0155

Re: Comprehensive Compliance Investigation at:
Red Oak Community Water Service, 100 Block Carson St., Red Oak, Ellis County, Texas
RN101282762, PWS ID No. 0700056, Investigation No. 1240249

Dear Mrs. Frame:

On April 7, 2015, Mr. Imran Khawaja of the Texas Commission on Environmental Quality (TCEQ) Dallas Fort Worth (D/FW) 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.

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. Khawaja in the D/FW Region Office at (817) 588-5806.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles Marshall".

Charles Marshall
Team Leader, Public Water Supply Program
D/FW Region Office

CM/ik

COPY

TCEQ Region 4-Dallas/Fort Worth • 2309 Gravel Dr. • Fort Worth, Texas 76118-6951 • 817-588-5800 • Fax 817-588-5700

Austin Headquarters: 512-239-1000 • tceq.texas.gov • How is our customer service? tceq.texas.gov/customersurvey

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PWS/070-056/CO/04-07-15/CCI

**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: Community Water Service, Inc.
Customer Number: CN600652952**

Regulated Entity Name: RED OAK COMMUNITY WATER SERVICE

Regulated Entity Number: RN101282762

Investigation # 1240249	Incident Numbers
Investigator: IMRAN KHAWAJA	Site Classification GW 51-250 CONNECTION
Conducted: 04/07/2015 -- 04/07/2015	SIC Code: 4941
Program(s): PUBLIC WATER SYSTEM/SUPPLY	
Investigation Type: Compliance Investigation	Location: INTERSECTION OF OVERLOOK AND CARSON ST
Additional ID(s): 0700056	
Address: ,	Local Unit: REGION 04 - DFW METROPLEX
	Activity Type(s): PWSCCIGWCM - CCI GW PURCHASE - COMMUNITY MANDATORY

Principal(s):

Role	Name
RESPONDENT	COMMUNITY WATER SERVICE INC

Contact(s):

Role	Title	Name	Phone	
Regulated Entity Contact	PRESIDENT	MRS BONNIE FRAME		
Regulated Entity Mail Contact	PRESIDENT	MRS BONNIE FRAME	Work	(972) 286-8051
Participated in Investigation	PRESIDENT	MRS BONNIE FRAME		
Notified	PRESIDENT	MRS BONNIE FRAME	Work	(972) 286-8051

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Other Staff Member(s):

Role	Name
QA Reviewer	CHARLES MARSHALL
Supervisor	CHARLES MARSHALL

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Associated Check List

Checklist Name

PWS EMERGENCY POWER INITIATIVE
PWS INVESTIGATION - EQUIPMENT
MONITORING AND SAMPLING revised 06/2013
PWS STANDARD FIELD

Unit Name

Emergency Power
Equipment Monitoring
Red Oak Community

Investigation Comments:

INTRODUCTION

On April 7, 2015, Mr. Imran Khawaja, Texas Commission on Environmental Quality (TCEQ) Environmental Investigator, conducted a mandatory Comprehensive Compliance Investigation (CCI) at Red Oak Community Water Service (ROCWS). The purpose of the investigation was to determine compliance with applicable public water system regulations.

Mr. Khawaja contacted Mrs. Bonne Frame, Owner, on March 17, 2015, to schedule the investigation. A list of records required for the investigation was emailed the same day.

On April 7, 2015, Mr. Khawaja arrived at ROCWS and met with Mrs. Frame to begin the investigation. At the conclusion of the investigation, an exit interview was conducted with Ms. Frame. A TCEQ Exit Interview Form, Customer Satisfaction Survey, and a Texas Water Development Board Financial Assistance Program document were provided to Mrs. Frame.

No alleged violations were cited during the investigation and a General Compliance letter was mailed to the water system as a result of the investigation.

GENERAL FACILITY AND PROCESS INFORMATION

ROCWS is a community water system located in Ellis County, Texas. The water system serves 90 connections with an approximate population of 270 based on three persons per connection.

Pump Station #1

Water from Well #2 (G0700056B), produced 110 GPM on the day of the investigation, is disinfected with a hypo-chlorine solution prior to entering a 55,000-gallon ground storage tank. The water is then pumped into the distribution system by three service pumps, rated 5 HP / 100 GPM each. Pressure is maintained by a 2,500-gallon pressure tank.

Exception/Alternative Capacity Requirement

In a letter dated August 24, 2001, the water system was granted an exception to the sanitary control easement rule, contingent on the collection and submission of one raw water bacteriological sample from Well#2 (G0700056B) each month.

BACKGROUND

The last CCI, Investigation Number 989603, was conducted at ROCWS on March 26, 2012. No violations were alleged as a result of the investigation.

No complaints have been received against the water system in the last five years.

Enforcement Case

On December 4, 2013, ROCWS was issued Agreed Order No. 2013-0738-PWS-E. Ordering provisions included failed to mail the copy of the Consumer Confidence Report (CCR), failed to timely provide the results of annual nitrate sampling, failed to timely provide public notification regarding the failure to collect on triggered source monitoring sample from the facility's well within 24 hours. The system has paid full fine and in compliance with the terms and conditions of the Agreed Order.

ADDITIONAL INFORMATION

Records Review

During the investigation, the following records were reviewed: plant operations manual, monitoring plan, drought contingency plan, distribution map, customer service agreements, NSF certification, equipment calibration records, public notices, monthly operating reports, disinfectant level quarterly operating reports, flushing records, disinfectant residual monitoring records, customer complaint records and bacteriological sampling records for the previous twelve months.

All documents were organized and maintained in a central location. No areas of noncompliance were noted at this time.

Operation and maintenance

For information on the licensed operators employed by the water system, see the attached Operator's Certification Report.

An evaluation of the water production and distribution facilities was conducted next. No areas of noncompliance were noted at this time.

Capacity

During the investigation, the water system capacities were evaluated. No areas of noncompliance were noted at this time. See the investigation attachments for a copy of the Water System Diagram, Water System Summary Sheet, and PWS Database Printout for further information.

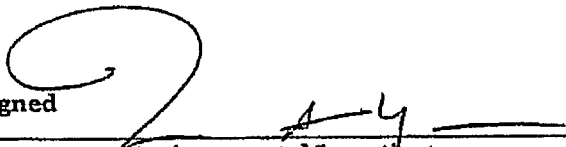
Field Monitoring Activities

During the investigation, the disinfectant residual and distribution pressure were monitored at the following location with the following result:
305 Carson Street - 1.02 milligrams per liter (mg/l) free chlorine and a pressure of 70 pounds per square inch (psi)

Attachments

- 1) Water System Diagram, Water System Summary Sheet, and PWS Database Printout
- 2) Certification and Employment Report
- 3) Exit Interview Form

No Violations Associated to this Investigation

Signed 
 Environmental Investigator

Date 4/23/15

Signed 
 Supervisor

Date 4/30/15

Attachments: (in order of final report submittal)

Enforcement Action Request (EAR)

Letter to Facility (specify type): Complaint

Investigation Report

Sample Analysis Results

Manifests

Notice of Registration

Maps, Plans, Sketches

Photographs

Correspondence from the facility

Other (specify):

WS Diagram, WS Summary
PWS Database Printout -
Employment Certificate
Exit Interview Form

PUBLIC WATER SYSTEM DATA

Name of System: Red Oak Community Water Service			
CCN Number:	10091	PWS ID:	700056
Classification:	Not Applicable	Type:	Community
Region Number:	4		
Interconnect with Other PWS:	Yes	Name of PWS I/C:	City of Red Oak
Type I/C:	Emergency		
Retail Service Connections:	90	Retail Meters:	90
Retail Population:	270		
Wholesale Master Meters:	0	Wholesale Service Connections:	0
Wholesale Population:			
Total Well Capacity:	110.00 GPM 0.158 MGD		
Raw Capacity:	0 GPM MGD		
Total Elevated Storage:	0 MG	Total Storage Capacity:	0.055 MG
Pressure Tank Capacity:	0.0025		
Maximum Daily Usage:	0.048 MGD	Date:	09/03/2014
Average Daily Usage:	0.0217 MGD	Time Period:	04/01/2014 to 03/31/2015
Wholesale Contract:	No	Maximum Purchase Rate :	
No. of Samples Required:	1	No. of Samples Submitted:	1
No. of Raw Samples Required:	1	No. of Raw Samples Submitted:	1
Non-Comm Dates of Operation:	09/09/9999 to 09/09/9999		

WATER STORAGE TANKS

Type	Capacity	Material	Location
HD	0.0025 MG	ST	Pump Station (100 BLk of Carson Street)
GR	0.055 MG	ST	Pump Station (100 BLk of Carson Street)

WATER SOURCES

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EP No.	Source Code	Owner's Des	Location	Status	Pump Type	TS/GPM	Est. GPM	TS/Est. GPM Date
1	G0700056B	Well#2	100 Blk Carson	Active	Submersible	110.00		04/07/2015

SERVICE PUMPS

Pump Number	Output	Location
1	5 HP / 100 GPM	Pump Station (100 BLk of Carson Street)
2	5 HP / 100 GPM	Pump Station (100 BLk of Carson Street)
3	5 HP / 100 GPM	Pump Station (100 BLk of Carson Street)

SYSTEM CAPACITIES

Pressure Plane Number: 1 Name: Entire System

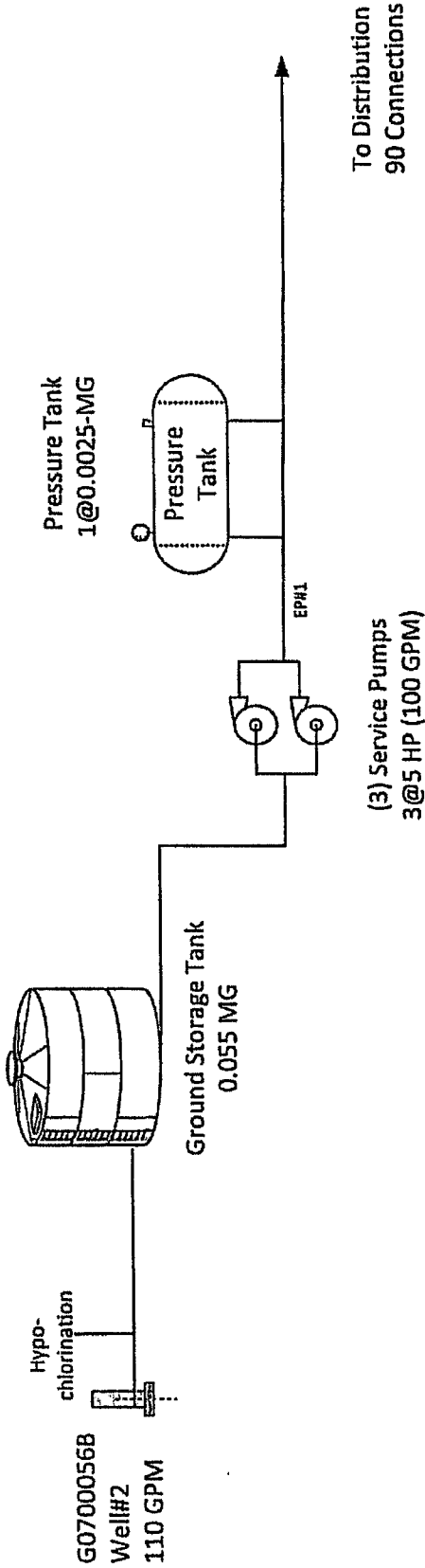
System Capacities	Required	Provided
Well Production	0.6 GPM Conn X 90 Conn = 54	GPM 110
Elevated Pressure Storage	20 Gal/Conn X 90 Conn = 0.00182	MG 0.0025
Ground/Total Storage	200 Gal/Conn X 90 Conn = 0.0182	MG 0.055
Service Pump Capacity	2.0 GPM/Conn X 90 Conn = 180	GPM 300
Service Pump Peaking Factor	MDD/1440 X **	GPM
Tested PSI: 70 Tested CL2: 1.02 Free Location: 305 Carson Street		

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
PUBLIC WATER SYSTEM DIAGRAM
TCEQ REGION 04

Red Oak Community Water
TCEQ ID # 0700056
Survey Conducted on 04/07/2015
Investigation# 1240249
Investigator: Imran Khawaja



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

Regulated Entity/ Site Name	Red Oak Community Water		TCEQ Add. ID No. (optional)	0700056
Investigation Type	CCI	Contact Made In-House (Y/N)	Comprehensive Compliance	
Regulated Entity Contact	Bonnie Frame	Telephone No.	972/226-9001	Date Contacted
Title	Owner	Fax No.		Date Faxed

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and does not represent final TCEQ findings related to violations. Any potential or alleged violations discovered after the date on this form will be communicated 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.	Rule Citation (if known)	Description of Issue
		No Violations
		At the time of the investigation

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?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Did the investigator advise the regulated entity representative that continued operation is not authorized?	<input type="checkbox"/> Yes	<input type="checkbox"/> 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.

Investigator Name (Signed & Printed)	Date	Regulated Entity Representative Name (Signed & Printed)	Date
[Signature]	4/7/15	[Signature]	4-7-15

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.

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

03/10/2015
03:03:50

Texas Commission on Environmental Quality
DWW Water System Summary Sheet

PWS ID	PWS Name	Central Registry RN
TX0700056	RED OAK COMMUNITY WATER SERVICE	RN101282762

Organization/Customer *	Central Registry CN
COMMUNITY WATER SERVICE INC	CN600652952

*Regulatory mail will be addressed to this organization/person

All Water System Contacts			
Type	Contact	Communication	
AC - Administrative Contact - PRESIDENT	FRAME, BONNIE PO BOX 850155 MESQUITE, TX 75185-0155	Phone Type	Value
		BUS - Business	972-286-8051
OW - Owner	COMMUNITY WATER SERVICE INC PO BOX 850155 MESQUITE, TX 75185-0155		

Operator Grade	Number
----------------	--------

Water Operator Licenses
No Licensing Data for this PWS

Owner Type	Owner Type Options: COUNTY, DISTRICT; FEDERAL GOVERNMENT, INVESTOR OWNED, MUNICIPALITY, NATIVE AMERICAN, PRIVATE, STATE GOVERNMENT, WATER SUPPLY CORPORATION
Investor Owned	

System Type	System Type Options: COMMUNITY, TRANSIENT/NON-COMMUNITY, NON-PUBLIC, NON-TRANSIENT/NON-COMMUNITY
C - Community	

Population Type	Population Served	# of Connect	# I/C w/other PWS
Residential	252 270	84	0 1

					Pressure
--	--	--	--	--	----------

Emergency City of Red Oak

Total Product (MGD)	Average Daily Consump. (MGD)	Max Daily Demand (MGD)	Total Storage (MG)	Elev. Storage (MG)	Service Pump Cap.	Max. Purchase Cap. (MGD/GPM)	Tank Cap. (MG)
0.158	0.021	0.048	0.055	0	0.432	—	0.025

Activity Status	Deactivation Date	Reason
A - ACTIVE		

Last Survey Date	Surveyor	Survey Type	Region	County
03/26/2012	BRITTANY PETTITT	Sanitary Survey	ARLINGTON	ELLIS
02/11/2009	IMRAN, A KHAWAJA	Sanitary Survey	ARLINGTON	ELLIS
11/09/2006	IMRAN, A KHAWAJA	Sanitary Survey	ARLINGTON	ELLIS

4/7/2015 IMRAN KHAWAJA

(Treatment Plant)							
Entry Point	EP Name/Source Summation (Activity Status)	Plant Name (Activity Status)	Plant Num	Chemical Mon Type	Chem Sample Point	Distribution Mon Type	Dist Sample Point
EP001	TRT-TAP / Ground Water(A)	100 BLOCK OF CARSON ST(A)	TP3464		NO		NO

Train:	Unnamed
--------	---------

(Treatments)				
Disinfection Zone	Treatment Sequence	Objective	Process	Treatment
null	null	D	423	HYPOCHLORINATION, PRE

(Active Sources)						
Source Number	Source Name (Activity Status)	Operational Status	Source Type	Depth	Tested GPM	Rated GPM
G0700056B	2 - PS / CARSON ST (A)	P	G	1112	95 GPM	110 GPM
Drill Date		Source Summary				
06/03/1988		WOODBINE 110				
GPS Latitude (decimal)	GPS Longitude (decimal)	GPS Elevation	GPS Date	Seller		
32.531101	-96.82491	652	11/09/2006	Not Purchasing		

(Inactive/Offline Sources)			
SourceNumber	Name	Status	Depth

G0700056A	1	0	900
-----------	---	---	-----

Code Explanations
Monitoring Type Codes: (GW) GROUNDWATER, (GUP) GROUNDWATER UNDER THE INFLUENCE - PURCHASED, (SWP) SURFACE WATER - PURCHASED, (GU) GROUNDWATER UNDER THE INFLUENCE OF SURFACE WATER, (N) NO SOURCES, (SW) SURFACE WATER
Activity Status Codes: (A) ACTIVE, (D) DELETED/DISSOLVED, (I) INACTIVE, (P) PROPOSED,
Operational Status Codes: (E) EMERGENCY, (I) INTERIM/PEAK (O) OTHER, (P) PERMANENT, (S) SEASONAL
Source Types: (G) GROUND WATER, (S) SURFACE WATER, (U) GROUND WATER UNDER THE INFLUENCE

- End of Report -

At the time of your query this data was the most current information available from our database, which is in real time. Every effort was made to retrieve it according to your query. Thank-you for using DWW.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CERTIFICATION AND EMPLOYMENT REPORT
TCEQ REGION 04

ID#:	0700056	SYSTEM INFO:	Red Oak Community Service
------	---------	--------------	---------------------------

Last Name	First Name	License Number	License Type	Exp. Date
Darr	Cecil	WS0002518	C-Surface Water	10/13/2015

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 30, 2013

E-SIGNATURE CONFIRMATION #91 3408 2133 3931 8616 0920

Mr. Walter Carroll, Owner
Emerald Forest
513 Winding Creek Trail
Red Oak, Texas 75154

COPY

Re: Notice of Violation for the Compliance Evaluation Investigation at:
Emerald Forest, Pioneer Court & FM 1446, Waxahachie, Ellis County, Texas
RN101193431, TCEQID.: 0700058, Investigation No.: 1120476

Dear Mr. Carroll:

On September 19 & 25, 2013, Imran Khawaja of the Texas Commission on Environmental Quality (TCEQ) D/FW Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for public water supply. Enclosed is a summary which lists the investigation findings. During the investigation certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by **January 30, 2014** a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved for the outstanding alleged violations.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules (GI 032)* are located on our agency website at <http://www.tceq.state.tx.us> for your reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the D/FW Region Office at (817)-588-5806 or the Central Office Publications Ordering Team at (512)-239-0028.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violation as required in order to protect the State's environment.

TCEQ Region 4-Dallas/Fort Worth • 2309 Gravel Dr. • Fort Worth, Texas 76118-6951 • 817-588-5800 • Fax 817-588-5700

Austin Headquarters: 512-239-1000 • tceq.texas.gov • How is our customer service? tceq.texas.gov/customersurvey

printed on recycled paper using soy-based ink

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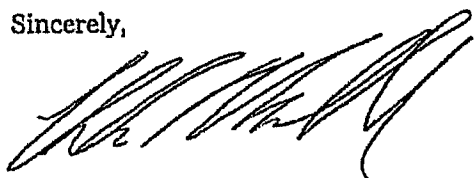
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Mr. Walter Carroll, Owner
Page 2
October 30, 2013

If you have additional information that we are unaware of, you have the opportunity to contest the violation documented in this notice. Should you choose to do so, you must notify D/FW Region Office within 10 days from the date of this letter. At that time, Mr. Charles Marshall, Team Leader will schedule a violation review meeting to be conducted within 21 days from the date of this letter. However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the attached Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

If you or members of your staff have any questions, please feel free to contact Mr. Imran Khawaja in the D/FW Region Office at (817) 588-5806.

Sincerely,



Charles Marshall
Team Leader, Public Water Supply Section
D/FW Region Office

CLM/ik

Enclosure: Summary of Investigation Findings

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0000000007

Summary of Investigation Findings

EMERALD FOREST

Investigation #

1120476
Investigation Date: 09/19/2013

, ELLIS COUNTY,

Additional ID(s): 0700058

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

Track No: 516461 Compliance Due Date: 01/30/2014

30 TAC Chapter 290.46(s)(2)(C)(I)

Alleged Violation:

Investigation: 1120476

Comment Date: 10/09/2013

Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations. On the day of the investigation, the system had gone an unknown amount of time without check the accuracy their Hach colorimeter.

30 TAC 290.46(s)(2)(C)(I) states that chemical disinfectant residual analyzers shall be properly calibrated and accuracy of manual disinfectant residual analyzers shall be verified at least once every 90 days using chlorine solutions of known concentrations.

Recommended Corrective Action: Submit a copy of the accuracy check records to the regional office that verifies that the accuracy of the manual disinfectant residual analyzers is occurring at least every 90 days and that a record is being maintained of these results.

Track No: 516466 Compliance Due Date: 01/30/2013

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1120476

Comment Date: 10/09/2013

Failure to calibrate well meters, on Well #1 (G0700058A) as required by 30 TAC 290.41(c)(3) (N) at least once every three years. On the day of the investigation, the system had gone an unknown time without calibrating their well raw water meter.

Recommended Corrective Action: Submit calibration certificate for Well#1 (G0700058A) raw water meter.

**Texas Commission on Environmental Quality
Investigation Report
Walter J. Carroll Water Company, Inc.
CN600666507**

EMERALD FOREST

RN101193431

Investigation # 1120476	Incident #
Investigator: IMRAN KHAWAJA	<u>Site Classification</u> GW 51-250 CONNECTION
Conducted: 09/19/2013 -- 09/25/2013	SIC Code: 4941
Program(s): PUBLIC WATER SYSTEM/SUPPLY	

Investigation Type : Compliance Investigation **Location :** 5 MI W OF I35 ON FM 1446

Additional ID(s) : 0700058

Address: ; , **Activity Type :** REGION 04 - DFW METROPLEX
PWSCCIGWCM - CCI GW PURCHASE -
COMMUNITY MANDATORY

Principal(s) :

Role	Name
RESPONDENT	WALTER J CARROLL WATER COMPANY INC

Contact(s) :

Role	Title	Name	Phone
Notified	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817
Participated in Investigation	FACILITY OPERATOR	MR RICK REEDER	Work (972) 617-0817 Cell (214) 808-0274
Regulated Entity Contact	OWNER/OPERATOR	MR WALTER J CARROLL	(972) 617-0817 Work (972) 617-0817
Regulated Entity Mail Contact	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817

Other Staff Member(s) :

Role	Name
QA Reviewer	CHARLES MARSHALL
Supervisor	CHARLES MARSHALL

COPY

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
PWS EMERGENCY POWER INITIATIVE	Emergency Power
PWS INVESTIGATION - EQUIPMENT MONITORING AND SAMPLING revised 06/2013	Equipment Monitoring
PWS STANDARD FIELD	Emerald Forest

Investigation Comments :

INTRODUCTION

Mr. Walter Carroll, Owner Carroll Water Company, received prior notification of the investigation

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EMERALD FOREST -

9/19/2013 to 9/25/2013 Inv. # - 1120476

Page 2 of 4

by Imran Khawaja on September 5, 2013. A list of required records was faxed to Mr. Carroll which outlined records to be provided during the investigations of four systems scheduled for September 19, 2013. The document reviews for all four systems (owned by Mr. Carroll) were conducted on September 19, 2013 with Mr. Carroll. The inspections of the all four system's facilities including Emerald Forest (PWS ID#0700058) were conducted on September 25, 2013 with Mr. Rick Reeder, Operator.
The exit interview explaining the result of the investigations for all four systems, were conducted with Mr. Reeder on September 25, 2013. Two alleged violations were cited at the time of the current investigation and a Notice of Violation letter was sent to the system.

GENERAL FACILITY AND PROCESS INFORMATION

*Specific facility information, such as tank volumes, pump capacities, etc. can be found in the PUBLIC WATER SYSTEM DATA SHEET attached to the end of this compliance investigation report.

Emerald Forest water system serves 54 connections through 54 meters with an approximate population of 162 people, based on three persons per connection, and secures water from one well (Well #1-G0700058C) which produced 35 GPM on the day of the investigation. Emerald Forest also possesses an emergency interconnection with Buena Vista-Bethel SUD at a contracted rate of 80 GPM.

The water from Well #1 (G0700058C) is injected with a gaseous chlorine prior to entering a 20,000-gallon ground storage tank and the distribution via 2 service pumps (one at 7.5 HP / 150 GPM and one at 10 HP / 200 GPM). Pressure is maintained by a 2,000-gallon pressure tank.

EXCEPTION / ALTERNATIVE CAPACITY REQUIREMENT

None

BACKGROUND

The last compliance investigation at Emerald Forest was conducted on June 13, 2011. No violations were documented during the investigation.

RECORD REVIEW

The following records were reviewed during the investigation:

- ~~Bacteriological sampling results~~
- Quarterly disinfection reports
- Monthly Operating Reports
- Monitoring Plans
- Tank Inspection Reports
- Plumbing Ordinances or Service Agreements
- Customer Service Inspections
- Drought Contingency Plans
- Plant Operations Manual
- Complaint Records
- Consumer Confidence Reports
- Meter Calibration Records

RESOLVED VIOLATION COMMENTS

None

ADDITIONAL ISSUES

None

ADDITIONAL COMMENTS

None

OUTSTANDING ALLEGED VIOLATIONS

0000043

00000000080

EMERALD FOREST -

9/19/2013 to 9/25/2013 Inv. # - 1120476

Page 3 of 4

Tracking # 516461

§290.46(s)(2)(C)(i) - Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations. On the day of the investigation, the system had gone an unknown amount of time without check the accuracy their Hach colorimeter.

Tracking # 516466

§290.46(s)(1) - Failure to calibrate raw water meter for Well#1 (G0700058A)
Failure to calibrate well meters, on Well #1 (G0700058A) as required by 30 TAC 290.41(c)(3)(N) at least once every three years. On the day of the investigation, the system had gone an unknown time without calibrating their well raw water meter.

NOV. Date	Method
10/30/2013	WRITTEN

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

Track No: 516461

Compliance Due Date: 01/30/2014

Violation Start Date: Unknown

30 TAC Chapter 290.46(s)(2)(C)(i)

Alleged Violation:

Investigation: 1120476

Comment Date: 10/09/2013

Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations. On the day of the investigation, the system had gone an unknown amount of time without check the accuracy their Hach colorimeter.

30 TAC 290.46(s)(2)(C)(i) states that chemical disinfectant residual analyzers shall be properly calibrated and accuracy of manual disinfectant residual analyzers shall be verified at least once every 90 days using chlorine solutions of known concentrations.

Recommended Corrective Action: Submit a copy of the accuracy check records to the regional office that verifies that the accuracy of the manual disinfectant residual analyzers is occurring at least every 90 days and that a record is being maintained of these results.

Track No: 516466

Compliance Due Date: 01/30/2013

Violation Start Date: Unknown

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1120476

Comment Date: 10/09/2013

Failure to calibrate well meters, on Well #1 (G0700058A) as required by 30 TAC 290.41(c)(3)(N) at least once every three years. On the day of the investigation, the system had gone an unknown time without calibrating their well raw water meter.

Recommended Corrective Action: Submit calibration certificate for Well#1 (G0700058A) raw water meter.

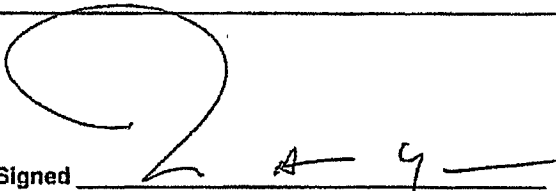
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EMERALD FOREST -

9/19/2013 to 9/25/2013 Inv. # - 1120476

Page 4 of 4

Signed 
Environmental Investigator

Date 10/9/13

Signed 
Supervisor

Date 10/16/13

Attachments: (in order of final report submittal)

Enforcement Action Request (EAR)

Letter to Facility (specify type) : NOV

Investigation Report

Sample Analysis Results

Manifests

NOR

Maps, Plans, Sketches

Photographs

Correspondence from the facility

Other (specify) :

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PUBLIC WATER SYSTEM DATA

Name of System: Emerald Forest	
CCN Number: 11543	PWS ID: 700058
Classification: Not Applicable	Type: Community
Region Number: 4	

Interconnect with Other PWS:	Yes	Name of PWS I/C:	Buena Vista Bethel
Type I/C:	Emergency		

Retail Service Connections:	54	Retail Meters:	54
Retail Population: 162			

Wholesale Master Meters:	0	Wholesale Service Connections:	
Wholesale Population:			

Total Well Capacity:	35 GPM	0.050 MGD
Raw Capacity:	GPM	MGD

Total Elevated Storage:	0 MG	Total Storage Capacity:	0.02 MG
Pressure Tank Capacity:	0.002		

Maximum Daily Usage:	unknown MGD	Date:	09/09/9999
Average Daily Usage:	0.0122 MGD	Time Period:	09/01/2013to 08/31/2013
Wholesale Contract:	Yes	Maximum Purchase Rate :	80 gpm
No. of Samples Required:	1	No. of Samples Submitted:	1
No. of Raw Samples Required:		No. of Raw Samples Submitted:	
Non-Comm Dates of Operation:	09/09/9999 to 09/09/9999		

WATER STORAGE TANKS

Type	Capacity	Material	Location
HD	0.002 MG	ST	Pioneer & FM 1446
ST	0.02 MG	ST	Pioneer & FM 1446

WATER SOURCES

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EP No.	Source Code	Owner's Des	Location	Status	Pump Type	Tst. GPM	Est. GPM	Tst/Est. Date
1	G0700058C	Well#1	Pioneer & FM 1446	O	Submersible	35		09/25/2013

SERVICE PUMPS

Pump Number	Output	Location
1	10 HP / 200 GPM	Pump Station 1 (Pioneer & FM 1446)
2	7.5 HP / 150 GPM	Pump Station 1 (Pioneer & FM 1446)

SYSTEM CAPACITIES

Pressure Plane Number: 1 Name: Pressure Plane#1

System Capacities			Required	Provided
Well Production	0.6	GPM Conn X 54	Conn = 32.4	GPM 35.0
Elevated Pressure Storage	20	Gal/Conn X 54	Conn = 0.00108	MG 0.002
Ground/Total Storage	200	Gal/Conn X 54	Conn = 0.0108	MG 0.02
Service Pump Capacity	2.0	GPM/Conn X 54	Conn = 108	GPM 350
Service Pump Peaking Factor		MDD/1440 X	**	GPM
Tested PSI: 65 Tested CL2: 1.74 Free Location: 346 Oak Hill CT				

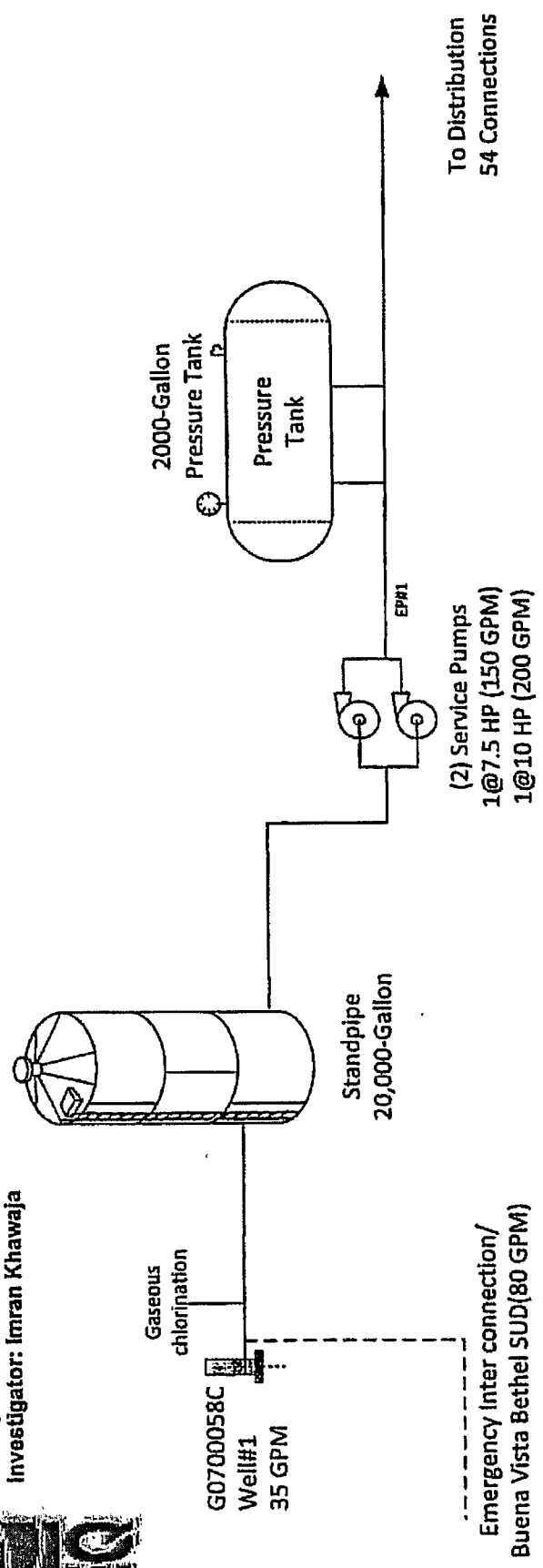
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
PUBLIC WATER SYSTEM DIAGRAM
TCEQ REGION 04

Emerald Forest
TCEQ ID # 0700058
Survey Conducted on 09/19 & 25/2013
Investigator: Imran Khawaja



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

Regulated Entity/Site Name		Emerald Forest		TCEQ Add. ID No.	0700058
Investigation Type		CCI	Contact Made In-House (Y/N)	Purpose of Investigation	Compliance Impairment
Regulated Entity Contact		Rick Reed		Telephone No.	214/2087-0974
Title		Operator		Date Contacted	7/25/13
				Fax No.	
				Date Faxed	

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and does not represent final TCEQ findings related to violations. Any potential or alleged violations discovered after the date on this form will be communicated 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 of 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.	Rule/Citation (if known)	Description of Issue
(1)	AV 290.46(s)(1)	Failure to Calibrate Well (G0700058 A) every three years.
(2)	AV 290.46(s)(1)(C)	Failure to Verify Accuracy of the mercury analyzer since 90 days

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.

Investigator Name (Signed & Printed): A Y Z Date: 9/25/13

Regulated Entity Representative Name (Signed & Printed): Rick Reed Date: 9/25/13

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.

White Copy: Regulated Entity Representative Yellow Copy: TCEQ
 TCEQ-2005 (Rev. 06/07)

Texas Commission on Environmental Quality

**PWS INVESTIGATION - EQUIPMENT MONITORING AND SAMPLING revised 06/2013
Checklist**

Unit Name : Equipment Monitoring
Investigation # : 1120476
Facility Name : EMERALD FOREST

County : ELLIS
TCEQ Investigator : IMRAN KHAWAJA

Item No.	Description	Answer	Comments	Due Date
	EQUIPMENT MONITORING SECTION			
1	Was an Anemometer used during this investigation?	NO		
2	Was the Area RAE Multi-Gas Monitor used during this investigation?	NO		
3	Was the Civil Defense V-700 Radiation Survey Instrument used during this investigation?	NO		
4	Was the DataRAM(TM) Real-Time Aerosol Monitor used during this investigation?	NO		
5	Was the Dissolved Oxygen Meter used during this investigation?	NO		
6	Was the Drager Gas Detector Pump/Tube System used during this investigation?	NO		
7	Was the El Paso Method for Measurement of Air-Strippable VOCs in Water used during this investigation?	NO		
8	Was the Garmin GPSMap 60CS GPS Receiver used during this investigation?	NO		
9	Was the Garmin RINO 130 GPS Receiver used during this investigation?	NO		
10	Was the GAS FindIR used during this investigation?	NO		
11	Was the Hach Model 2100P Portable Turbidimeter used during this investigation?	NO		
12	Was the Hach Pocket Colorimeter used during this investigation?	YES		
13	Was the Hach Pocket Turbidimeter used during this investigation?	NO		
14	Was the Haz-Dust 5000 Environmental Particulate Air Monitor (EPAM) used during this investigation?	NO		
15	Was the Hydrolab DataSonde® 4 and Hydrolab MiniSonde® Water Quality Multiprobes used during this investigation?	NO		
16	Was the IDEXX Coli-ert® and IDEXX Enter-ert® Methods used during this investigation?	NO		
17	Was the Jerome 831-X Hydrogen Sulfide (H2S) Analyzer used during this investigation?	NO		
18	Was the LANDTEC GEM 2000(TM) Landfill Gas analyzer used during this investigation?	NO		
19	Was the Ludlum Model 14C Geiger Mueller (GM) counter used during this investigation?	NO		
20	Was the Ludlum Model 19 Micro R Meter used during this investigation?	NO		
21	Was the Marsh-McBirney Flo-Mate 2000 Electromagnetic Flow Meter used during this investigation?	NO		
22	Was the MiniRAE 2000 Photoionization Detector used during this investigation?	NO		
23	Was the MIRAN 205B SapphiRe Portable Infrared Ambient Analyzer used during this investigation?	NO		
24	Was the MSA Passport® PID II Organic Vapor Monitor used during this investigation?	NO		
25	Was the Multi-parameter Water Quality Monitoring Sonde and Display used during this investigation?	NO		
26	Was the MultiRAE Plus Multi-Gas Monitor used during the investigation?	NO		

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27	Was the Niton® XLT 700 Series X-Ray Fluorescence (XRF) Environmental Analyzer used during this investigation?	NO		
28	Was the ORS Interface Probe (TM) used during this investigation?	NO		
29	Was the pH Meter used during this investigation?	NO		
30	Was the Portable Organic Vapor Monitor (OVM) Photoionization Detector used during this investigation?	NO		
31	Was the Pressure Gauge used during this investigation?	YES		
32	Was the Pressure Recorder used during this investigation?	NO		
33	Was the QRAE Multi-gas Monitor used during this investigation?	NO		
34	Was the Sample Collection of VOCs in Ambient Air Using Passivated, Stainless Steel Canisters used during this investigation?	NO		
35	Was the Sampling of Microscopic Characterization used during this investigation?	NO		
36	Was the Self Contained Breathing Apparatus (SCBA) used during this investigation?	NO		
37	Was the Smith-Root Boat Mounted and Backpack Electrofishers used during this investigation?	NO		
38	Was the Sontek Flowracker used during this investigation?	NO		
39	Was the TESTO 350 Portable Flue Gas Analyzer used during this investigation?	NO		
40	Was the Toxic Vapor Analyzer (TVA) 1000B Flame Ionization Detector (FID) used during this investigation?	NO		
41	Was the TravelIR Portable FT-IR Infrared Analysis System used during this investigation?	NO		
42	Was the VRAE Multi Gas Monitor used during this investigation?	NO		
43	Was the Water Level Indicator used during this investigation?	NO		
44	Was the Weatherpak 2000 used during this investigation?	NO		
45	Was any other equipment used during this investigation that is not listed above? If YES, list the equipment in the Comment section.	NO		
SAMPLING SECTION				
1	Was there sampling conducted for Effluent?	NO		
2	Was there sampling conducted for Groundwater?	NO		
3	Was there sampling conducted for Leachate/Contaminated Water?	NO		
4	Was there sampling conducted for PWS Chemical?	NO		
5	Was there sampling conducted for Sediment/Soil?	NO		
6	Was there sampling conducted for Spills/Unauthorized Discharge?	NO		
7	Was there sampling conducted for Surface Water?	NO		
8	Was there any other type of sampling conducted during this investigation? If YES, include it in the Comment section.	NO		

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(Entry Point)							
Entry Point	EP Name/Source Summation (Activity Status)	Plant Name (Activity Status)	WUD Plant Num	Chemical Mon Type	Chem Sample Point	Distribution Mon Type	Dist Sample Point
001	SAMPLE TAP / WOODBINE(A)	PLANT - PIONEER & FM 1446(A)	3467		No		No

Train: (Unnamed)

(Treatments)				
Disinfection Zone	Treatment Sequence	Objective	Process	Treatment
	1	D	403	GASEOUS CHLORINATION(PRE)

(Active Sources)						
Source Number	Source Name (Activity Status)	Operational Status	Source Type	Depth	Tested GPM	Rated GPM
G0700058C	NEW 1(A)	O	G	820	42	42
Drill Date		Well Data				
3/8/2002		35				
GPS Latitude (decimal)	GPS Longitude (decimal)	GPS Elevation	GPS Date	GPS Cert. No.	Seller	
0	0	0				

(Inactive/Offline Sources)			
Source Number	Name	Status	Depth
G0700058A	OLD 1 - 5 MI W OF I35 / FM1446	A	763

Sources not Associated with a Plant or Entry Point				
Source Number	Name	Activity Status	Operational Status	Source Type
G0700058B	OLD WELL PS	I	A	G
G0700058D	2	A	O	G

Code Explanations
Monitoring Type Codes: (GW) GROUNDWATER, (GWP) GROUNDWATER - PURCHASED, (GUP) GROUNDWATER UNDER THE INFLUENCE - PURCHASED, (SWP) SURFACE WATER - PURCHASED, (GU) GROUNDWATER UNDER THE INFLUENCE OF SURFACE WATER, (N) NO SOURCES, (SW) SURFACE WATER
Activity Status Codes: (A) ACTIVE, (C) CCN CANCELLED, (D) DELETED/DISSOLVED, (G) SB 361, (I) INACTIVE, (M) MERGED/ANNEXED, (N) NON-PUBLIC, (P) PROPOSED, (U) UNKNOWN-NO ACTIVITY OR NON-RESPONSIVE, (W) UTILITY WATER SYS XFER
Operational Status Codes: (C) CAPPED, (D) DEMAND, (E) EMERGENCY, (F) FORMER PWS SOURCE, (I) INACTIVE PWS SYSTEM, (N) NON-DRINKING WATER, (O) OPERATING, (P) PLUGGED, (T) TEST, (Y) PWS NOT ACTIVE AND NOT EXPECTED TO BE SO
Source Types: (G) GROUND WATER, (S) SURFACE WATER, (U) GROUND WATER UNDER THE INFLUENCE

- End of Report -

At the time of your query this data was the most current information available from our database, which is in real time. Every effort was made to retrieve it according to your query. Thank-you for using WUD.

09/05/2013
4:21:34PM

Texas Commission on Environmental Quality
Water System Data Sheet

WSDSR

PWS ID	PWS Name	Central Registry RN
0700058	EMERALD FOREST	RN101193431

Organization/Customer *	Central Registry CN
WALTER J CARROLL WATER COMPANY INC	CN600666507

* Regulatory mail will be addressed to this organization / person

Responsible Official **		Title	
WALTER J CARROLL		PRESIDENT	
License Type	License Number		
Mailing Address:			
Street Address		C/O or Address Line 2	
513 WINDING CREEK TR			
City	State	Zip	
RED OAK	TX	75154	
Business Phone	Other Phone	Other Phone Type	Email
972/67-0817			

** Regulatory mail will be addressed to this person

No PWS Primary Contact assigned to this PWS

Rick Reeder

Emergency Contact Name ****	Emergency Phone	Emergency Email
RICK L REEDER	214/808-0274	
License Type	License Number	
C - Ground Water	WG 0008722	

**** This contact information will be used only in the event of an emergency

Owner Type	Owner Type Options: AFFECTED COUNTIES, COUNTY, DISTRICT/AUTHORITY, EXEMPT, FEDERAL GOVERNMENT, INVESTOR, MUNICIPALITY, NATIVE AMERICAN, PRIVATE, SUBMETER \ ALLOCATION, STATE GOVERNMENT, NOT RETAIL PUBLIC UTILITIES, WATER SUPPLY CORPORATION, MISC/UNKNOWN
INVESTOR	

System Type	System Type Options: SB 361, COMMUNITY, COMMUNITY (NON-GOVERNMENT OWNED), TRANSIENT/NON-COMMUNITY, NON-PUBLIC, NON-TRANSIENT/NON-COMMUNITY
COMMUNITY	

Customer Class	Customer Category	Population Served	# of Connect	# of Meters	# I/C w/other PWS
RESIDENTIAL	RESIDENTIAL AREA	168	58	53	<input checked="" type="checkbox"/>
		162	54	54	

Total Product (MGD)	Average Daily Consump.	Total Storage (MG)	Elev. Storage (MG)	Booster Pump Cap. (MGD)	Aux. Prod. Cap. Max. Pur. Cap. (MGD)	Pressure Tank Cap. (MG)
0.080	0.014	0.020 ✓	0.000	0.432 ✓	0.000	0.00200 ✓

0.050 0.0122

Activity Status	Deactivation Date	Reason
ACTIVE		

Operator Grade	Number
WATER GRADE C GROUND	1 ✓

Last Survey Date	Surveyor	Survey Type	Code	Region	County	Def. Score
06/13/2011	BRITTANY PETTITT	SURVEY		4	ELLIS	0/4
06/20/2007	IMRAN KHAWAJA	SURVEY		4	ELLIS	2
09/16/2004	IMRAN KHAWAJA	SURVEY		4	ELLIS	8

09/25/2013 IMRAN KHAWAJA



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
CERTIFICATION AND EMPLOYMENT REPORT
TCEQ REGION 04

ID#:	0700058	SYSTEM INFO:	Emerald Forest
------	---------	--------------	----------------

Last Name	First Name	License Number	License Type	Exp. Date
Reeder	Rick	WG0008722	C-Groundwater	06/28/2016

0000056

00000000093

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 30, 2013

E-SIGNATURE CONFIRMATION #91 3408 2133 3931 8616 0913

Mr. Walter Carroll, Owner
Walter J. Carroll Water Company, Inc.
513 Winding Creek Trail
Red Oak, Texas 75154

COPY

Re: Notice of Violation for the Compliance Evaluation Investigation at:
Spanish Grant Subdivision, Alto Road & FM 1446, Waxahachie, Ellis County, Texas
RN102681970, TCEQID.: 0700064, Investigation No.: 1120484

Dear Mr. Carroll:

On September 19 & 25, 2013, Imran Khawaja of the Texas Commission on Environmental Quality (TCEQ) D/FW Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for public water supply. Enclosed is a summary which lists the investigation findings. During the investigation certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by **January 30, 2014** a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved for the outstanding alleged violations.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules* (GI 032) are located on our agency website at <http://www.tceq.state.tx.us> for your reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the D/FW Region Office at (817)-588-5806 or the Central Office Publications Ordering Team at (512)-239-0028.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violation as required in order to protect the State's environment.

TCEQ Region 4-Dallas/Fort Worth • 2309 Gravel Dr. • Fort Worth, Texas 76118-6951 • 817-588-5800 • Fax 817-588-5700

Austin Headquarters: 512-239-1000 • tceq.texas.gov • How is our customer service? tceq.texas.gov/customersurvey

printed on recycled paper using soy-based ink

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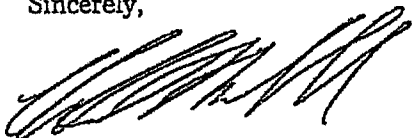
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Mr. Walter Carroll, Owner
Page 2
October 30, 2013

If you have additional information that we are unaware of, you have the opportunity to contest the violation documented in this notice. Should you choose to do so, you must notify D/FW Region Office within 10 days from the date of this letter. At that time, Mr. Charles Marshall, Team Leader will schedule a violation review meeting to be conducted within 21 days from the date of this letter. However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the attached Summary of Investigation Findings until an official decision is made regarding the status of any or all of the contested violations.

If you or members of your staff have any questions, please feel free to contact Mr. Imran Khawaja in the D/FW Region Office at (817) 588-5806.

Sincerely,



Charles Marshall
Team Leader, Public Water Supply Section
D/FW Region Office

CLM/ik

Enclosure: Summary of Investigation Findings

0000058

00000000095

Summary of Investigation Findings

SPANISH GRANT SUBDIVISION

Investigation #

1120484
Investigation Date: 09/19/2013

, ELLIS COUNTY,

Additional ID(s): 0700064

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

Track No: 516502 Compliance Due Date: 01/30/2014

30 TAC Chapter 290.46(s)(2)(C)(I)

Alleged Violation:

Investigation: 1120484

Comment Date: 10/09/2013

Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations. On the day of the investigation, the system had gone an unknown amount of time without check the accuracy their Hach colorimeter.

30 TAC 290.46(s)(2)(C)(i) states that chemical disinfectant residual analyzers shall be properly calibrated and accuracy of manual disinfectant residual analyzers shall be verified at least once every 90 days using chlorine solutions of known concentrations.

Recommended Corrective Action: Submit a copy of the accuracy check records to the regional office that verifies that the accuracy of the manual disinfectant residual analyzers is occurring at least every 90 days and that a record is being maintained of these results.

Track No: 516504 Compliance Due Date: 01/30/2014

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1120484

Comment Date: 10/09/2013

Failure to calibrate well meters, on Well #1 (G0700064A) and Well#2 (G0700064B) as required by 30 TAC 290.41(c)(3)(N) at least once every three years. On the day of the investigation, the system had gone an unknown time without calibrating their raw water meters for both wells.

Recommended Corrective Action: Submit calibration certificates for Well#1 (G0700064A) and Well#2 (G0700064B) raw water meters.

**Texas Commission on Environmental Quality
Investigation Report
Walter J. Carroll Water Company, Inc.
CN600666507**

SPANISH GRANT SUBDIVISION

RN102681970

Investigation # 1120484 Incident #
 Investigator: IMRAN KHAWAJA Site Classification
 GW 51-250 CONNECTION
 Conducted: 09/19/2013 – 09/25/2013 SIC Code: 4941
 Program(s): PUBLIC WATER SYSTEM/SUPPLY

Investigation Type : Compliance Investigation Location : 11.4 MI W OF I35 ON FM 1446

Additional ID(s) : 0700064

Address: ; , Activity Type : REGION 04 - DFW METROPLEX
 PWSCCIGWCM - CCI GW PURCHASE - COMMUNITY MANDATORY

Principal(s) :

Role	Name
RESPONDENT	WALTER J CARROLL WATER COMPANY INC

COF

Contact(s) :

Role	Title	Name	Phone
Participated in Investigation	OWNER/OPERATOR	MR WALTER J CARROLL	
Notified	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817
Participated in Investigation	FACILITY OPERATOR	MR RICK REEDER	Cell (214) 808-0274 Work (972) 617-0817
Regulated Entity Contact	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817
Regulated Entity Mail Contact	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817

Other Staff Member(s) :

Role	Name
QA Reviewer	CHARLES MARSHALL
Supervisor	CHARLES MARSHALL

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
PWS EMERGENCY POWER INITIATIVE	Emergency Power
PWS INVESTIGATION - EQUIPMENT MONITORING AND SAMPLING revised 06/2013	Equipment Monitoring
PWS STANDARD FIELD	Spanish Grant

Investigation Comments :

0000060

INTRODUCTION

Mr. Walter Carroll, Owner of Carroll Water Company, received prior notification of the investigation by Imran Khawaja on September 5, 2013. A list of required records was faxed to Mr. Carroll which outlined records to be provided during the investigations of four systems scheduled for September 19, 2013. The document reviews for all four systems (owned by Mr. Carroll) were conducted on September 19, 2013 with Mr. Carroll. The inspections of all four system's facilities including Spanish Grant Subdivision (PWS ID#0700064) were conducted on September 25, 2013 with Mr. Rick Reeder, Operator.

The exit interview explaining the result of the investigations for all four systems, were conducted with Mr. Reeder on September 25, 2013. Two alleged violations were cited at the time of the current investigation and a Notice of Violation letter was sent to the system.

GENERAL FACILITY AND PROCESS INFORMATION

*Specific facility information, such as tank volumes, pump capacities, etc. can be found in the PUBLIC WATER SYSTEM DATA SHEET attached to the end of this compliance investigation report.

Spanish Grant Subdivision water system serves 134 connections through 134 meters with an approximate population of 402 people, based on three persons per connection, and secures water from two wells (Well #1-G0700064A and Well #2-G0700064B) which produced 40 GPM and 78 GPM, respectively, on the day of the investigation.

The water from the wells is injected with gaseous chlorine prior to entering a 20,000-gallon and 10,000-gallon ground storage tank. The water is then delivered to 134 connections via 2 service pumps (one rated 15 HP / 300 GPM and one rated 10 HP / 200 GPM) and pressure is maintained by a 3,000-gallon pressure tank.

EXCEPTION / ALTERNATIVE CAPACITY REQUIREMENT

An exception regarding the sanitary control easements for Well No.1(G0700064A) was granted by TCEQ Public Drinking Water Section. In lieu of sanitary control easement, a raw water sample from Well No.1 should be submitted each month for bacteriological analyses.

BACKGROUND

The last compliance investigation at Spanish Grant Subdivision was conducted on June 13, 2011. No violations were documented during the investigation, however one additional issue with reference to pressure tank capacity was documented.

RECORD REVIEW

The following records were reviewed during the investigation:

- Bacteriological sampling results
- Quarterly disinfection reports
- Monthly Operating Reports
- Monitoring Plans
- Tank Inspection Reports
- Plumbing Ordinances or Service Agreements
- Customer Service Inspections
- Drought Contingency Plans
- Plant Operations Manual
- Complaint Records
- Consumer Confidence Reports
- Meter Calibration Records

RESOLVED VIOLATION COMMENTS

None

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00000000098

ADDITIONAL ISSUES

None

ADDITIONAL COMMENTS

The system has reached 89.33% of its total pressure tank capacity. A Capacity of 20 gallons per connection pressure tank capacity (Required = 134 x 20 =2680 gallons compared to total pressure tank of 3000 gallons provided) or 89.33%. The system has submitted planning report in the past.

OUTSTANDING ALLEGED VIOLATIONS

Tracking # 516502

§290.46(s)(2)(C)(i) - Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations. On the day of the investigation, the system had gone an unknown amount of time without check the accuracy their Hach colorimeter.

Tracking # 516504

§290.46(s)(1) -Failure to calibrate raw water meters for Well#1 (G0700064A) and Well#2 (G0700064B).

Failure to calibrate well meters, on Well #1 (G0700064A) and Well#2 (G0700064B) as required by 30 TAC 290.41(c)(3)(N) at least once every three years. On the day of the investigation, the system had gone an unknown time without calibrating their raw water meters for both wells.

NOV-Date	Method	
09/30/2013	WRITTEN	OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 516502 Compliance Due Date: 01/30/2014
Violation Start Date: Unknown

30 TAC Chapter 290.46(s)(2)(C)(i)

Alleged Violation:

Investigation: 1120484

Comment Date: 10/09/2013

Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations. On the day of the investigation, the system had gone an unknown amount of time without check the accuracy their Hach colorimeter.

30 TAC 290.46(s)(2)(C)(i) states that chemical disinfectant residual analyzers shall be properly calibrated and accuracy of manual disinfectant residual analyzers shall be verified at least once every 90 days using chlorine solutions of known concentrations.

Recommended Corrective Action: Submit a copy of the accuracy check records to the regional office that verifies that the accuracy of the manual disinfectant residual analyzers is occurring at least every 90 days and that a record is being maintained of these results.

Track No: 516504 Compliance Due Date: 01/30/2014
Violation Start Date: Unknown

30 TAC Chapter 290.46(s)(1)

Alleged Violation: