

SPANISH GRANT SUBDIVISION -

9/19/2013 to 9/25/2013 Inv. # - 1120484

Page 4 of 4

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.

Signed [Signature]
Environmental Investigator

Date 10/9/13

Signed [Signature]
Supervisor

Date 10/18/13

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: Spanish Grant Subdivision			
CCN Number:	11543	PWS ID:	700064
Classification:	Not Applicable	Type:	Community
Region Number:	4		
Interconnect with Other PWS:	No	Name of PWS I/C:	
Type I/C:			
Retail Service Connections:		Retail Meters:	134
Retail Population:	402		
Wholesale Master Meters:	0	Wholesale Service Connections:	
Wholesale Population:			
Total Well Capacity:	118 GPM 0.170 MGD		
Raw Capacity:	GPM MGD		
Total Elevated Storage:	0 MG	Total Storage Capacity:	0.0300 MG
Pressure Tank Capacity:	0.003		
Maximum Daily Usage:	unknown MGD	Date:	09/09/9999
Average Daily Usage:	0.0365 MGD	Time Period:	09/01/2012to 08/31/2013
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	0.003 MG	ST	Pump Station #1 (Alto Rd. @ FM 1446)
GR	0.02 MG	ST	Pump Station #1 (Alto Rd. @ FM 1446)
GR	0.01 MG	ST	Pump Station #1 (Alto Rd. @ FM 1446)

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WATER SOURCES

EP No.	Source Code	Owner's Des	Location	Status	Pump Type	Tst. GPM	Est. GPM	Tst/Est Date
1	G0700064A	Well#1	FM 1446	O	submersible	40		09/25/2013
1	G0700064B	Well#2	FM 1446	O	submersible	78		09/25/2013

SERVICE PUMPS

Pump Number	Output	Location
1	10 HP / 200 GPM	Pump Station #1 (Alto Rd. @ FM 1446)
2	15 HP / 300 GPM	Pump Station #1 (Alto Rd. @ FM 1446)

SYSTEM CAPACITIES

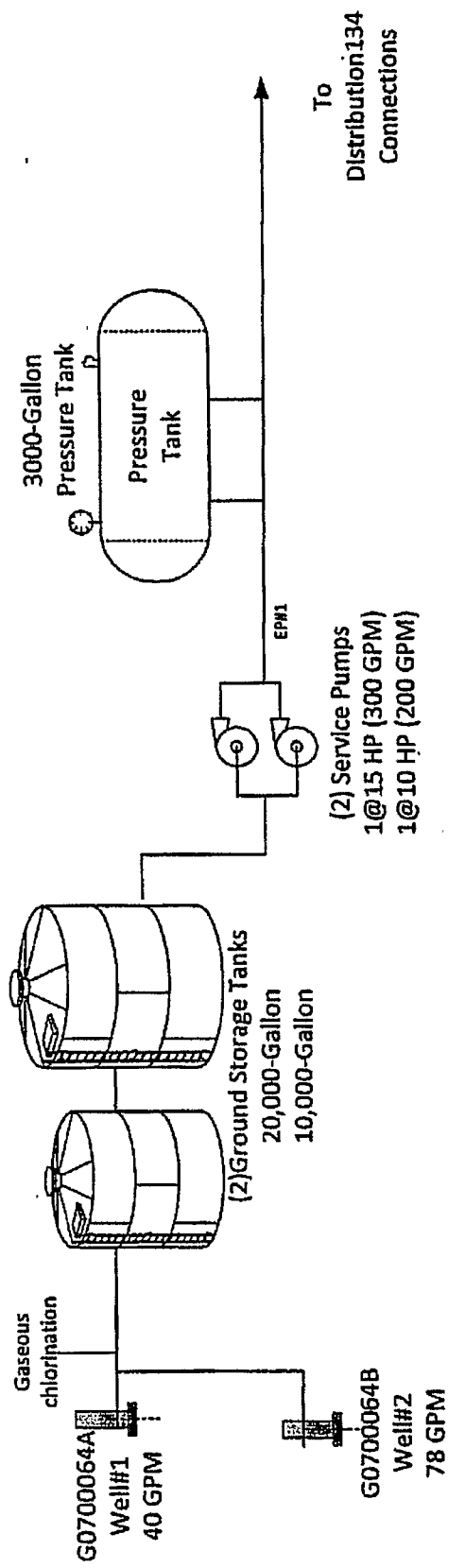
Pressure Plane Number: 1 Name: Pressure Plane#1

System Capacities	Required	Provided
Well Production	0.6 GPM Conn X 134 Conn = 80.4	GPM 118
Elevated Pressure Storage	20 Gal/Conn X 134 Conn = 0.00268	MG 0.003
Ground/Total Storage	200 Gal/Conn X 134 Conn = 0.0268	MG 0.03
Service Pump Capacity	2.0 GPM/Conn X 134 Conn = 268	GPM 500
Service Pump Peaking Factor	MDD/1440 X **	GPM
Tested PSI: 48 Tested CL2: 0.95 Free Location: 2408 Alto Road		



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

Spanish Grant Subdivision
 TCEQ ID # 0700084
 Survey Conducted on 09/19 & 25/2013
 Investigator: Imran Khawaja



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

Regulated Entity/Site Name	Spanish Grant Subdivision		TCEQ Add. ID No. RN No. (optional)	0702064
Investigation Type	CCI	Contact Made In-House (Y/N)	Purpose of Investigation	Compliance for Dec
Regulated Entity Contact	Rick Reeder	Telephone No.	Date Contacted	9/25/13
Title	Operator	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 No.	Issue Type	Rule Citation (if known)	Description of Issue
1)	AV	290.46(S)(1)	Failure to calibrate well meters (G0702064, G0700061B) every three year
2)	AV	290.46(S)(2)(C)	Failure to verify accuracy of the manual analyzer at least once 90 days

Issue Type Can Be One or More of: AV (Alleged Violation), FV (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) _____ Date 9/25/13

Regulated Entity Representative Name (Signed & Printed) *Rick Reeder* 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-30065 (Rev. 8/07)

Texas Commission on Environmental Quality

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

Unit Name : Equipment Monitoring Investigation # : 1120484 Facility Name : SPANISH GRANT SUBDIVISION	County : ELLIS TCEQ Investigator : IMRAN KHAWAJA
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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 Turbiditymeter used during this investigation?	NO		
12	Was the Hach Pocket Colorimeter used during this investigation?	YES		
13	Was the Hach Pocket Turbiditymeter 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 Colilert® and IDEXX Enterolert® Methods used during this investigation?	NO		
17	Was the Jerome 631-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-McBlimey 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 Nikon® 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 ORAE 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 Flowtracker 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 TravellIR 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. SAMPLING SECTION	NO		
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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09/05/2013
4:24:28PM

Texas Commission on Environmental Quality
Water System Data Sheet

WSDSR

PWS ID	PWS Name	Central Registry RN
0700064	SPANISH GRANT SUBDIVISION	RN102681970

Organization/Customer *	Central Registry CN
CARROLL, WALTER J	CN601361579
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 TRAIL			
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	
GC-GROUNDWATER	W9000R722	

**** 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	402	134	133	0

402
130
134
130
134

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)
0.187	0.030	0.030 ✓	0.000	0.720 ✓	0.000	0.00300 ✓

0.170 0.0365

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 PETTIT	SURVEY		4	ELLIS	8 ✓
06/20/2007	IMRAN KHAWAJA	SURVEY		4	ELLIS	0
09/16/2004	IMRAN KHAWAJA	SURVEY		4	ELLIS	6

9/25/2013 IMRAN KHAWAJA

(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(A)	3470		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	
G0700064A	1 - W OF IH35 / FM 1446(A)	O	G	641	50	39	
Drill Date		Well Data					
3/18/1972		WOODBINE SAND					
GPS Latitude (decimal)	GPS Longitude (decimal)	GPS Elevation	GPS Date	GPS Cert. No.	Seller		
32.345275	96.984169	700					
Source Number	Source Name (Activity Status)	Operational Status	Source Type	Depth	Tested GPM	Rated GPM	
G0700064B	2 - SPANISH GRANT(A)	O	G	645	80	85	
Drill Date		Well Data					
9/4/1999		78					
GPS Latitude (decimal)	GPS Longitude (decimal)	GPS Elevation	GPS Date	GPS Cert. No.	Seller		
32.33546	96.996978	0					

(Inactive/Offline Sources)
(No inactive Sources associated with this EP/Plant)

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 381, (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.

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

ID#: 0700064	SYSTEM INFO: Spanish Grant Subdivision
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Last Name	First Name	License Number	License Type	Exp. Date
Reeder	Rick	WG0008722	C-Groundwater	06/28/2016

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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 31, 2013

E-SIGNATURE CONFIRMATION #91 3408 2133 3931 8616 0937

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:
Lakeview Rquettes, 4111 Miller Road, Midlothian, Ellis County, Texas
RN10266682, TCEQID.: 0700057, Investigation No.: 1120642

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/customerurvey

printed on recycled paper using soy-based ink

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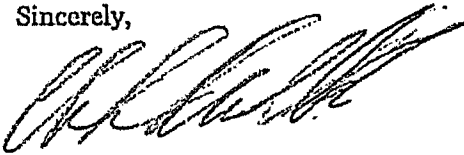
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Mr. Walter Carroll, Owner
Page 2
October 31, 2013

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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Summary of Investigation Findings

LAKEVIEW RANCHETTES

4111 MILLER RD
MIDLOTHIAN, ELLIS COUNTY, TX 76065

Investigation #
1120642
Investigation Date: 09/19/2013

Additional ID(s): 0700057

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

Track No: 517147 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.46(s)(2)(C)(I)

Alleged Violation:

Investigation: 1120642

Comment Date: 10/17/2013

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.

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: 517152 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1120642

Comment Date: 10/17/2013

Failure to calibrate well meter, on Well #1 (G0700057A) 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 raw water meter for well#1.

Recommended Corrective Action: Submit calibration certificate for Well#1 (G0700057A) raw water meter.

Track No: 517176 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.46(m)(1)(A)

Alleged Violation:

Investigation: 1120642

Comment Date: 10/17/2013

Failure to maintain 20,000-gallon ground storage tank at Pump station #1 in a corrosive free state. On the day of the investigation it was noted that the concrete base which supports the 20,000-gallon ground storage tank at Pump Station #1 was cracked and beginning to sink in the center. The ground storage tank appeared to be rusted and the exterior of the storage tank had several areas of rust/corrosion.

According 30 TAC §290.46(m)(1)(A), ground and elevated storage tank inspections must determine that the vents are in place and properly screened, the roof hatches closed and locked, flap valves and gasketing provide adequate protection against insects, rodents, and other vermin, the interior and exterior coating systems are continuing to provide adequate protection to all metal surfaces, and the tank remains in a watertight condition.

Recommended Corrective Action: Submit photographs showing that the concrete base of 20,000-gallon ground storage tank at pump station#1 has been repaired and returned to a corrosive free state.

Track No: 517178 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.45(b)(1)(C)(i)

Alleged Violation:

Investigation: 1120642

Comment Date: 10/17/2013

Failure to provide a well capacity of 0.6 gallons per minute per connection. Lakeview Ranchettes public water system's 102 service connections require a minimum well capacity of 61.2 gpm. On the day of the investigation, the system's one well produced 56 gpm, a deficiency of 8.4%.

Recommended Corrective Action: Submit an engineering report or certification of compliance that the system is producing a minimum of at least 0.6 gpm per connection or contact Mr. Sam Turner at 903/535-5162 and request an alternate capacity requirement (ACR).

Texas Commission on Environmental Quality Investigation Report

Walter J. Carroll Water Company, Inc.
CN600666507

LAKEVIEW RANCHETTES

RN101266682

Investigation # 1120642	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 : W EDGE OF MIDLOTHIAN 1/4 MI W OF HWY 67 ON OLD FT WORTH RD
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Additional ID(s) : 0700057

Address: 4111 MILLER RD; MIDLOTHIAN, TX 76065	Activity Type : REGION 04 - DFW METROPLEX PWSCCIGWCM - CCI GW PURCHASE - COMMUNITY MANDATORY
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COPY

Principal(s) :

Role	Name
RESPONDENT	WALTER J CARROLL WATER COMPANY INC

Contact(s) :

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

Other Staff Member(s) :

Role	Name
Supervisor	CHARLES MARSHALL
QA Reviewer	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	Lakeview Ranchettes

Investigation Comments :

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 the all four system's facilities including Lakeview Ranchettes (PWS ID#0700057) 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. Four 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.

Lakeview Ranchettes water system serves 102 connections through 102 meters with an approximate population of 306 people, based on three persons per connection, and secures water from one well (Well #1-G0700057A) which is distributed through two pressure planes.

PRESSURE PLANE 1 (Pump Station #1)

The water from Well #1 is injected with gaseous chlorine prior to entering a 20,000-gallon standpipe tank. The water is then delivered to 56 of the distribution system connections via 2 service pumps (rated 10 HP /200 & 15 HP/300 GPM) and pressure is maintained by a 3,000-gallon pressure tank.

PRESSURE PLANE 2 (Pump Station #2)

The water from Pressure Plane 1 (Pump Station 1) enters Pump Station #2 at the 20,000-gallon standpipe tank. The water is then delivered to the remaining 46 distribution system connections via 2 service pumps (25 HP / 500 GPM each) and pressure is maintained by a 4,000-gallon pressure tank.

EXCEPTION / ALTERNATIVE CAPACITY REQUIREMENT

An exception regarding the sanitary control easements for Well No.1(G0700057A) 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 Lakeview Ranchettes was conducted on June 13, 2011. No violations were documented during the investigation, however one additional issue with reference to total production 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

ADDITIONAL ISSUES

None

ADDITIONAL COMMENTS

None

OUTSTANDING ALLEGED VIOLATIONS

Tracking # 517147

§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 # 517152

§290.46(s)(1) - Failure to calibrate raw water meters for Well#1 (G0700057A).

Failure to calibrate well meter, on Well #1 (G0700057A) 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 raw water meter for well#1.

Tracking#: 517176

§290.46(m)(1)(A) - Failure to maintain 20,000-gallon storage tank at Pump station #1 in a corrosive free state.

On the day of the investigation it was noted that the concrete base which supports the 20,000-gallon ground storage tank at Pump Station #1 was cracked and beginning to sink in the center. The ground storage tank appeared to be rusted and the exterior of the storage tank had several areas of rust/corrosion.

Tracking No. 517178

§290.45(b)(1)(C)(i) - Failure to provide a well capacity of 0.6 gallons per minute per connection. Lakeview Ranchettes public water system's 102 service connections require a minimum well capacity of 61.2 gpm. On the day of the investigation, the system's one well produced 56 gpm, a deficiency of 8.4%.

NOV: Date	Method
10/31/2013	WRITTEN

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

Track No: 517147

Compliance Due Date: 01/30/2014

Violation Start Date: Unknown

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

Alleged Violation:

Investigation: 1120642

Comment Date: 10/17/2013

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.

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: 517152 Compliance Due Date: 01/30/2014
Violation Start Date: Unknown

30 TAC Chapter 290.46(s)(1)

Alleged Violation:
Investigation: 1120642 Comment Date: 10/17/2013

Failure to calibrate well meter, on Well #1 (G0700057A) 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 raw water meter for well#1.

Recommended Corrective Action: Submit calibration certificate for Well#1 (G0700057A) raw water meter.

Track No: 517176 Compliance Due Date: 01/30/2014
Violation Start Date: Unknown

30 TAC Chapter 290.46(m)(1)(A)

Alleged Violation:
Investigation: 1120642 Comment Date: 10/17/2013

Failure to maintain 20,000-gallon ground storage tank at Pump station #1 in a corrosive free state. On the day of the investigation it was noted that the concrete base which supports the 20,000-gallon ground storage tank at Pump Station #1 was cracked and beginning to sink in the center. The ground storage tank appeared to be rusted and the exterior of the storage tank had several areas of rust/corrosion.

According 30 TAC §290.46(m)(1)(A), ground and elevated storage tank inspections must determine that the vents are in place and properly screened, the roof hatches closed and locked, flap valves and gasketing provide adequate protection against insects, rodents, and other vermin, the interior and exterior coating systems are continuing to provide adequate protection to all metal surfaces, and the tank remains in a watertight condition.

Recommended Corrective Action: Submit photographs showing that the concrete base of 20,000-gallon ground storage tank at pump station#1 has been repaired and returned to a corrosive free state.

Track No: 517178 Compliance Due Date: 01/30/2014
Violation Start Date: Unknown

30 TAC Chapter 290.45(b)(1)(C)(i)

Alleged Violation:
Investigation: 1120642 Comment Date: 10/17/2013

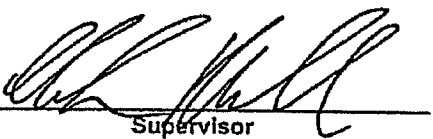
Failure to provide a well capacity of 0.6 gallons per minute per connection. Lakeview Ranchettes public water system's 102 service connections require a minimum well capacity of 61.2 gpm. On the day of the investigation, the system's one well produced 56

gpm, a deficiency of 8.4%.

Recommended Corrective Action: Submit an engineering report or certification of compliance that the system is producing a minimum of at least 0.6 gpm per connection or contact Mr. Sam Turner at 903/535-5162 and request an alternate capacity requirement (ACR).

Signed 
Environmental Investigator

Date 10/21/13

Signed 
Supervisor

Date 10/29/13

Attachments: (in order of final report submittal)

- Enforcement Action Request (EAR)
- Letter to Facility (specify type) : NOR
- Investigation Report
- Sample Analysis Results
- Manifests
- NOR

- Maps, Plans, Sketches
- Photographs
- Correspondence from the facility
- Other (specify) :

PUBLIC WATER SYSTEM DATA

Name of System: Lakeview Ranchettes			
CCN Number:	11543	PWS ID:	700057
Classification:	Not Applicable	Type:	Community
Region Number:	4		
Interconnect with Other PWS:	No	Name of PWS I/C:	
Type I/C:			
Retail Service Connections:		Retail Meters:	102
Retail Population:	306		
Wholesale Master Meters:	0	Wholesale Service Connections:	0
Wholesale Population:	0		
Total Well Capacity:	56 GPM 0.0806 MGD		
Raw Capacity:	GPM MGD		
Total Elevated Storage:	MG	Total Storage Capacity:	0.040 MG
Pressure Tank Capacity:	0.0070		
Maximum Daily Usage:	unknown MGD	Date:	09/09/9999
Average Daily Usage:	0.0214 MGD	Time Period:	09/01/2012to 08/31/2013
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	0.003 MG	ST	Pump Station #1 (Old Ft. Worth & Miller Road)
GR	0.020 MG	ST	Pump Station #1 (Old Ft. Worth & Miller Road)
HD	0.004 MG	ST	Pump Station #2 (Miller Rd.)
GR	0.020 MG	ST	Pump Station #2 (Miller Rd.)

WATER SOURCES

EP No.	Source Code	Owner's Des	Location	Status	Pump Type	Test GPM	Est GPM	Test/Est Date
1	G0700057A	Well#1	Old Ft. Worth	O	Submersible	56		09/25/2013

SERVICE PUMPS

Pump Number	Output	Location
1	10 HP / 200 GPM	Pump Station #1 (Old Ft. Worth & Miller Road)
2	15 HP / 300 GPM	Pump Station #1 (Old Ft. Worth & Miller Road)
3	25 HP / 500 GPM	Pump Station #2 (Miller Rd.)
4	25 HP / 500 GPM	Pump Station #2 (Miller Rd.)

SYSTEM CAPACITIES

Pressure Plane Number: 0 Name: Entire System

System Capacities	Required	Provided
Well Production 0.6 GPM Conn X 102	Conn = 61.2	GPM 56
Elevated Pressure Storage	Gal/Conn X Conn =	MG
Ground/Total Storage	Gal/Conn X Conn =	MG
Service Pump Capacity	GPM/Conn X Conn =	GPM
Service Pump Peaking Factor	MDD/1440 X **	GPM
Tested PSI: Tested CL2: Total Location:		

Pressure Plane Number: 1 Name: Pressure Plane#1

System Capacities	Required	Provided
Well Production	GPM Conn X Conn =	GPM
Elevated Pressure Storage	20 Gal/Conn X 56 Conn = 0.0011	MG 0.003
Ground/Total Storage	200 Gal/Conn X 56 Conn = 0.0112	MG 0.02
Service Pump Capacity	2.0 GPM/Conn X 56 Conn = 112	GPM 500

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Service Pump Peaking Factor	MDD/1440 X	**	GPM
Tested PSI: 55 Tested CL2: 1.20 Free Location: 4392 Old Fort Worth			

Pressure Plane Number: 2 Name: Pressure Plane #2

System Capacities		Required		Provided	
Well Production	GPM Conn X	Conn =		GPM	
Elevated Pressure Storage	20 Gal/Conn X 46	Conn =	0.00092	MG	0.004
Ground/Total Storage	200 Gal/Conn X 46	Conn =	0.0092	MG	0.02
Service Pump Capacity	2.0 GPM/Conn X 46	Conn =	92	GPM	1000
Service Pump Peaking Factor	MDD/1440 X	**		GPM	
Tested PSI: 50 Tested CL2: 0.28 Free Location: 4521 Miller Road					

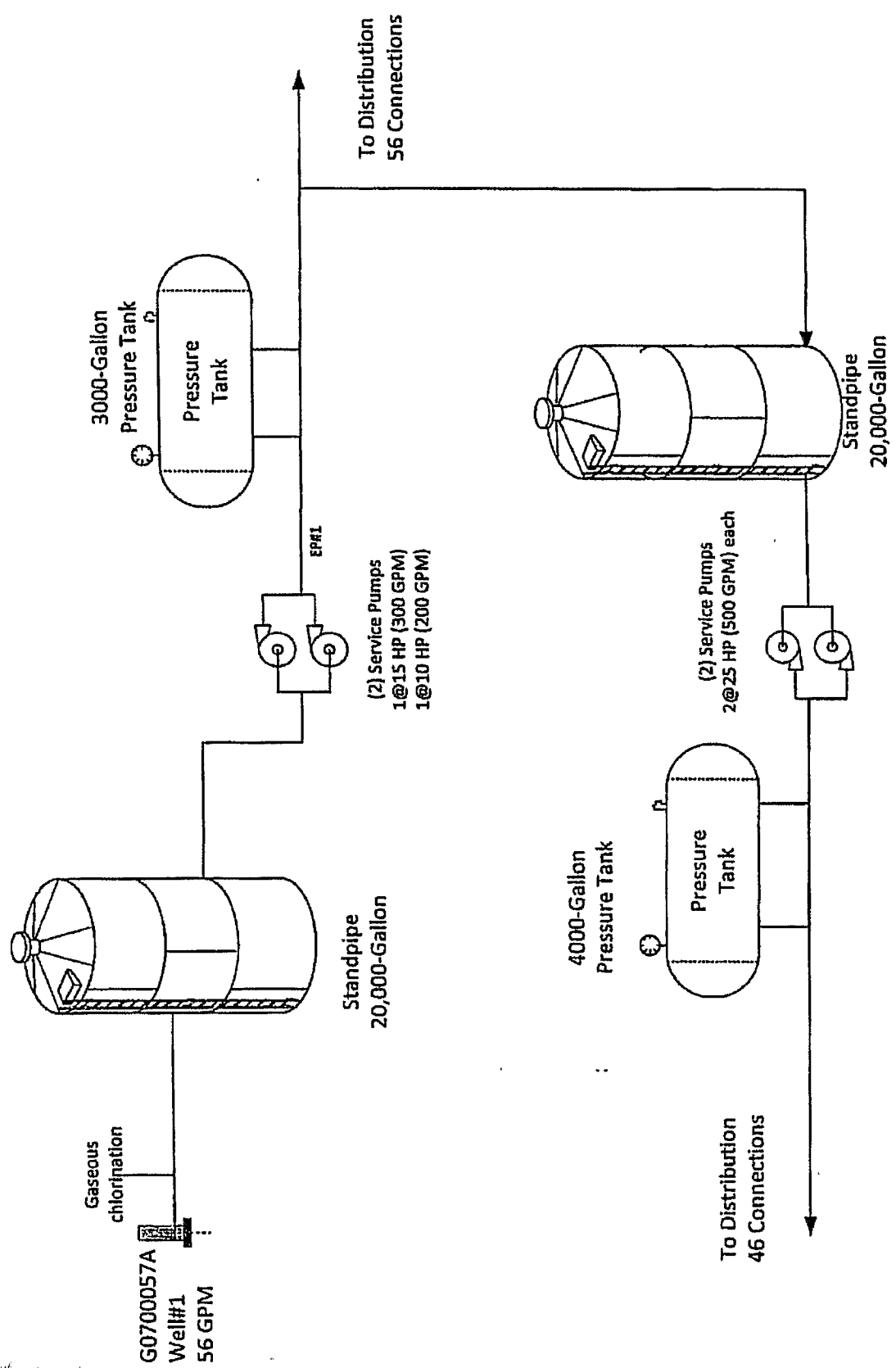
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 PUBLIC WATER SYSTEM DIAGRAM
 TCEQ REGION 04

Lakeview Ranchettes
 TCEQ ID # 0700057
 Survey Conducted on 09/19 & 25/2013
 Investigator: Imran Khawaja



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Texas Commission on Environmental Quality

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

Unit Name : Equipment Monitoring
Investigation # :1120642
Facility Name : LAKEVIEW RANCHETTES

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 Collier® and IDEXX Enterolert® Methods used during this investigation?	NO		
17	Was the Jerome 631-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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Texas Commission on Environmental Quality
PWS EMERGENCY POWER INITIATIVE Checklist

Unit Name : Emergency Power
Investigation # :1120642
Facility Name : LAKEVIEW RANCHETTES

County : ELLIS
TCEQ Investigator : IMRAN KHAWAJA

Item No.	Description	Answer	Comments	Due Date
1	Is the ground water facility compliant with 290.45(b)(1)(D)(v)?	NOT APPLICABLE	Lakeview Ranchettes serves < 250 connections.	
2	Does the ground water facility have mechanical power or electric generator?	NO		
3	Does the ground water facility have an emergency interconnection with another public water system that has emergency power?	NO		
4	Does the ground water facility meet the elevated storage requirements?	NO		
5	Is the surface water facility compliant with 290.45(b)(2)(H)?	NOT APPLICABLE		
6	Does the surface water facility have mechanical power or electric generator?	NO		
7	Does the surface water facility have an emergency interconnection with another public water system that has emergency power?	NO		
8	Does the surface water facility meet the elevated storage requirements?	NO		
9	Is the wholesale provider compliant with 290.45(e)(3)?	NOT APPLICABLE		
10	Does the wholesale provider have mechanical power or electric generator?	NO		
11	Does the wholesale provider meet the elevated storage requirements?	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 Flowtracker 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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Texas Commission on Environmental Quality
PWS STANDARD FIELD Checklist

Unit Name : Lakeview Ranchettes
 Investigation # :1120642
 Facility Name : LAKEVIEW RANCHETTES

County : ELLIS
 TCEQ Investigator : IMRAN KHAWAJA

Item No.	Description	Answer	Comments	Due Date
1	GENERAL PROVISIONS: Meets applicable 290.39 standards?	COMPLIANT		
2	CESSATION OF CONSTRUCTION AND OPERATIONS: Meets applicable 290.40 standards?	COMPLIANT		
3	WATER SOURCES: Meets applicable 290.41 standards?	COMPLIANT		
4	WATER TREATMENT: Meets applicable 290.42 standards?	COMPLIANT		
5	WATER STORAGE: Meets applicable 290.43 standards?	COMPLIANT		
6	WATER DISTRIBUTION: Meets applicable 290.44 standards?	COMPLIANT		
7	MINIMUM WATER SYSTEM CAPACITY REQUIREMENTS: Meets applicable 290.45 standards?	COMPLIANT		
8	MINIMUM ACCEPTABLE OPERATING PRACTICES FOR PWS: Meets applicable 290.46 standards?	COMPLIANT		
9	APPENDICES: Meets applicable 290.47 standards? (Appendices A through J)	COMPLIANT		
10	DRINKING WATER STANDARDS GOVERNING WATER QUALITY AND REPORTING REQUIREMENTS FOR PWS: (SUBCHAPTER F) Meets applicable 290.101 through 290.122 standards?	COMPLIANT		
11	DISTRIBUTION SYSTEM FIELD TESTING ACTIVITIES: (Pressure and Residual Disinfection Level Testing) Meets applicable 290.46(r) and 290.46(d)(2) standards?	COMPLIANT		
12	SWTP FIELD TESTING ACTIVITIES: (pH, Temperature, Disinfectant Residual, Alkalinity, Turbidity, Jar Testing, and Other) Meets applicable 290.42(d)(15)(C) standards?	COMPLIANT		
13	EMERGENCY PREPAREDNESS PLAN (Only applies to Harris County)			
13A	Meets applicable 290.46(i)(5) standards?	NOT APPLICABLE		
13B	Meets applicable 290.45(h) standards?	NOT APPLICABLE		
14	FIRE HYDRANT REQUIREMENTS (Only apply to the City of Houston) - Meets applicable 290.46(x) standards?	NOT APPLICABLE		
15	Item 1	NON COMPLIANT	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.	01/30/2014
Citation: 30 TAC Chapter 290, SubChapter D 290.46(s)(2)(C)(i)				
16	Item 2	NON COMPLIANT	Failure to calibrate well meter, on Well #1 (G0700057A) 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 rgw water meter for well#1.	01/30/2014
Citation: 30 TAC Chapter 290, SubChapter D 290.46(s)(1)				

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

Regulated Entity/Site Name		Lakeview Ranchetts		TCEQ Add. ID No. (optional)	0700057
Investigation Type	CAI	Contact Made In-House (Y/N)	Y	Purpose of Investigation	Comprehensive Compliance Investigation
Regulated Entity Contact	Rick Reeder		Telephone No.	214/808-0274	Date Contacted
Title	Operator Operator		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.

No.	Type	Rule Citation (if known)	Description of Issue
1	AV	290(46)(c)(1)	Failure to Calibrate well (G09700057A) every three years.
2	AV	290(46)(c)(1)	2010s-Galvan 5 ST at Pump Station Concrete base was Cracked
3	AV	290(46)(5)(2)(c)	Failure to verify accuracy of the manual and the 5ST sink in one direction at least once per year at least once per year

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 confirmation 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
AJC	9/25/12	Rick Reeder	9-25-12

10/17/2013
4:13:52PM

Texas Commission on Environmental Quality
Water System Data Sheet

WSDSR

PWS ID	PWS Name	Central Registry RN
0700057	LAKEVIEW RANCHETTES	RN10126682

Organization/Customer *	Central Registry CN
WALTER J CARROLL WATER COMPANY INC	CN60066507

* 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 WENDING TRAIL			
City		State	Zip
RED OAK		TX	75154
Business Phone	Other Phone	Other Phone Type	Email
972/617-0817			

** Regulatory mail will be addressed to this person

PWS Contact - If different than above ***		Title	
RICK L REEDER		OPERATOR	
License Type		License Number	
C - GROUNDWATER		WG0008722	
Mailing Address for PWS Primary Contact:			
Street Address		C/O or Address Line 2	
513 WINING CREEK TRL			
City		State	Zip
RED OAK		TX	75154
Business Phone	Other Phone	Other Phone Type	Email

*** Copies of most regulatory mail will be addressed to this person

Emergency Contact Name ****	Emergency Phone	Emergency Email
RICK L REEDER	214/808-0274	
License Type	License Number	

**** 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	273	91	88	0
		306	102	102	

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)
0.086	0.046	0.040 ✓	0.000	1.728 ✓	0.000	0.00800 ✓
0.080	0.0214					

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 PETTIT	SURVEY		4	ELLIS	0.8
11/27/2007	IMRAN KHAWAJA	SURVEY		4	ELLIS	0
01/13/2005	IMRAN KHAWAJA	SURVEY		4	ELLIS	0

9/26/2013 IMRAN KHAWAJA

(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)	.25 MILE W OF HWY 67 ON FT WORTH RD(A)	3466		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
G0700057A	1 - OLD FT WORTH RD(A)	O	G	504	60	61
Drill Date		Well Data				
10/14/1971		PALUXY SAND				
GPS Latitude (decimal)	GPS Longitude (decimal)	GPS Elevation	GPS Date	GPS Cert. No.	Seller	
32.484722	97.042503	0				

(Inactive/Offline Sources)
(No inactive Sources associated with this EP/Plant)

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.



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

ID#:	0700057	SYSTEM INFO:	Lakeview Ranchettes
------	---------	--------------	---------------------

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

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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

November 5, 2013

E-SIGNATURE CONFIRMATION #91 3408 2133 3931 9034 8017

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

Re: Notice of Violation for the Compliance Evaluation Investigation at:
Grande Casa, 531 Grande Casa, Waxahachie, Ellis County, Texas
RN102688401, TCEQID.: 0700063, Investigation No.: 1120477

Dear Mr. Carroll:

COPY

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. Also please see Additional Issues.

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

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Mr. Walter Carroll, Owner
Page 2
November 5, 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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Summary of Investigation Findings

GRANDE CASA
531 GRANDE CASA RD
WAXAHACHIE, ELLIS COUNTY, TX 75167

Investigation #
1120477
Investigation Date: 09/19/2013

Additional ID(s): 0700063

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

Track No: 517386 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.46(s)(2)(C)(I)

Alleged Violation:

Investigation: 1120477

Comment Date: 10/22/2013

Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations.

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: 517393 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1120477

Comment Date: 10/22/2013

Failure to calibrate well meter, on Well #1 (G0700063A) 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 raw water meter for well#1.

Recommended Corrective Action: Submit calibration certificate for Well#1 (G0700063A) raw water meter.

Track No: 517397 Compliance Due Date: 01/30/2014
30 TAC Chapter 290.46(f)(3)(A)(iii)

Alleged Violation:

Investigation: 1120477

Comment Date: 10/22/2013

Failure to compile and maintain records of complaints received by the facility and the results of any subsequent investigation.

According to 30 TAC §290.46(f)(3)(A)(iii) the date, location, and nature of water quality, pressure, or outage complaints received by the system and the results of any subsequent complaint investigation must be recorded and maintained on file by the water system. At the time of the investigation, the system failed to provide or maintain records of complaints received by the system.

Recommended Corrective Action: Submit copies of current records indicating that the system is maintaining records of the date, location, and nature of water quality, pressure, or outage complaints received by the system.

**ALLEGED VIOLATION(S) NOTED AND RESOLVED
ASSOCIATED TO A NOTICE OF VIOLATION**

Track No: 296779

30 TAC Chapter 290.45(b)(1)(C)(iv)

Alleged Violation:

Investigation: 609577

Comment Date: 12/18/2007

Failure to provide 20 gallons/connection pressure tank capacity.

Failure to meet this Agency's "Minimum Water System Capacity Requirements" These requirements include: a pressure tank capacity of 20 gallons per connection The system has one pressure tank with total of 3,000 gallons capacity. The system is required to provide at least 3080 gallons pressure tank capacity based on the number of connections (154x 20 = 3080).

Investigation: 933119

Comment Date: 06/14/2011

Failure to have a pressure tank capacity of 20 gallons per connection.

OBSERVATION:

On the day of the investigation, the water system's one, 3,000-gallon pressure tank could not provide a capacity of 20 gallons per connection (system provided ~ 96.15 % of required capacity).

Investigation: 1120477

Comment Date: 10/09/2013

Failure to have a pressure tank capacity of 20 gallons per connection.

Recommended Corrective Action: Submit documentation which verifies that the pressure tank capacity for the water system is at least 20 gallons per connection.

Resolution: At the time of the investigation, it was noted that the system has added a new 5,000-gallon pressure tank. The system can meet 20 gallons per connection pressure tank capacity.

Track No: 437699

30 TAC Chapter 290.42(a)

Alleged Violation:

Investigation: 933119

Comment Date: 06/14/2011

Failure to protect chlorine cylinders from adverse weather conditions at the Grande Casa pump station.

290.42(e)(4)(B)

Housing for gas chlorination equipment and cylinders of chlorine shall be in separate buildings or separate rooms with impervious walls or partitions separating all mechanical and electrical equipment from the chlorine facilities. Housing shall be located above ground level as a measure of safety. Equipment and cylinders may be installed on the outside of the buildings when protected from adverse weather conditions and vandalism.

Investigation: 1120477

Comment Date: 10/09/2013

Failure to protect chlorine cylinders from adverse weather conditions at the Grande Casa pump station.

Recommended Corrective Action: Submit documentation indicating that the chlorine cylinders at the Grande Casa pump station are protected from adverse weather conditions.

Resolution: At the time of the investigation, it was noted that the system has moved the chlorine cylinders in the enclosed covered area protected from the adverse weather condition.

ADDITIONAL ISSUES

Description
Item 3

Additional Comments

30 TEX. ADMIN. CODE, §290.106 and/or §290.118
Failure to meet the commission's minimum standards noted in the most recent chemical analysis conducted by the certified laboratory which indicates the quality of the water produced by the system. The Fluoride, Sulfate and Dissolved Solids concentrations are 3.7, 357, and 1240 mg/l, respectively. The maximum permissible levels of these constituent are 2.0, 300, and 1000 mg/l. A drinking water supply which exceeds the Secondary Constituent Levels may not be used without written approval from the commission.

The system is required to notify customers of this violation and repeat public notice shall be issued at least once a year for as long as the violation exists. Also submit a request to the executive director for continued use of the water for public consumption.

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

GRANDE CASA

RN102688041

Investigation # 1120477	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 :** INTERSECTION OF OLD MAYPEARL AND GRANDE CASA

Additional ID(s) : 0700063

Address: 531 GRANDE CASA RD; WAXAHACHIE, TX 75167 **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
Participated in Investigation	OWNER/OPERATOR	MR WALTER J CARROLL	
Notified	FACILITY OPERATOR	MR RICK REEDER	Cell (214) 808-0274 (972) 617-0817 Work (972) 617-0817
Participated in Investigation	FACILITY OPERATOR	MR RICK REEDER	
Regulated Entity Contact	FACILITY OPERATOR	MR RICK REEDER	
Regulated Entity Mail Contact	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817

COPY

Other Staff Member(s) :

Role	Name
Supervisor	CHARLES MARSHALL
QA Reviewer	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	Grande Casa

Investigation Comments :

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 the all four system's facilities including Grande Casa (PWS ID#0700063) 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. Three 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.

Grande Casa water system serves 157 connections through 157 meters with an approximate population of 471 people, based on three persons per connection, and secures water from one well (Well #1-G0700063A) which produced 130 GPM on the day of the investigation.

The water from Well #1 (G0700063A) is injected with gaseous chlorine prior to entering a 50,000-gallon ground storage tank. The water is then delivered to the distribution system via 2 service pumps (one at 5 HP / 100 GPM and one at 20 HP / 400 GPM) and pressure is maintained by two pressure tanks (5,000 & 3,000-gallon).

EXCEPTION / ALTERNATIVE CAPACITY REQUIREMENT

None

BACKGROUND

The last compliance investigation at Grande Casa was conducted on June 13, 2011. Two violations were documented at the time of the investigation. Both violations were resolved at the time of the current 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

30 TEX. ADMIN. CODE, §290.106 and/or §290.118

Failure to meet the commission's minimum standards noted in the most recent chemical analysis

30 TAC Chapter 290.46(s)(1)

Alleged Violation:
Investigation: 1120477

Comment Date: 10/22/2013

Failure to calibrate well meter, on Well #1 (G0700063A) 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 raw water meter for well#1.

Recommended Corrective Action: Submit calibration certificate for Well#1 (G0700063A) raw water meter.

Track No: 517397

Compliance Due Date: 01/30/2014

Violation Start Date: Unknown

30 TAC Chapter 290.46(f)(3)(A)(iii)

Alleged Violation:
Investigation: 1120477

Comment Date: 10/22/2013

Failure to compile and maintain records of complaints received by the facility and the results of any subsequent investigation.

According to 30 TAC §290.46(f)(3)(A)(iii) the date, location, and nature of water quality, pressure, or outage complaints received by the system and the results of any subsequent complaint investigation must be recorded and maintained on file by the water system. At the time of the investigation, the system failed to provide or maintain records of complaints received by the system.

Recommended Corrective Action: Submit copies of current records indicating that the system is maintaining records of the date, location, and nature of water quality, pressure, or outage complaints received by the system.

**ALLEGED VIOLATION(S) NOTED AND RESOLVED
ASSOCIATED TO A NOTICE OF VIOLATION**

Track No: 296779

Resolution Status Date: 10/22/2013

Violation Start Date: Unknown Violation End Date: 10/9/2013

30 TAC Chapter 290.45(b)(1)(C)(iv)

Alleged Violation:
Investigation: 609577

Comment Date: 12/18/2007

Failure to provide 20 gallons/connection pressure tank capacity.

Failure to meet this Agency's "Minimum Water System Capacity Requirements" These requirements include: a pressure tank capacity of 20 gallons per connection. The system has one pressure tank with total of 3,000 gallons capacity. The system is required to provide at least 3080 gallons pressure tank capacity based on the number of connections (154x 20 = 3080).

Investigation: 933119

Comment Date: 06/14/2011

Failure to have a pressure tank capacity of 20 gallons per connection.

OBSERVATION:

On the day of the investigation, the water system's one, 3,000-gallon pressure tank could not provide a capacity of 20 gallons per connection (system provided ~ 96.15 % of

conducted by the certified laboratory which indicates the quality of the water produced by the system. The Fluoride, Sulfate and Dissolved Solids concentrations are 3.7, 357, and 1240 mg/l, respectively. The maximum permissible levels of these constituent are 2.0, 300, and 1000 mg/l. A drinking water supply which exceeds the Secondary Constituent Levels may not be used without written approval from the commission.

The system is required to notify customers of this violation and repeat public notice shall be issued at least once a year for as long as the violation exists. Also submit a request to the executive director for continued use of the water for public consumption.

ADDITIONAL COMMENTS

None

OUTSTANDING ALLEGED VIOLATIONS

Tracking # 517386

§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 # 517393

§290.46(s)(1) - Failure to calibrate raw water meters for Well#1 (G0700063A).

Failure to calibrate well meter, on Well #1 (G0700063A) 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 raw water meter for well#1.

Tracking # 517397

Violation of: §290.46(f)(3)(A)(iii)

Failure to compile and maintain records of complaints received by the facility and the results of any subsequent investigation. At the time of the investigation, the system failed to provide or maintain records of complaints received by the system.

NOV: Date	Method
11/05/2013	WRITTEN

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

Track No: 517386

Compliance Due Date: 01/30/2014

Violation Start Date: Unknown

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

Alleged Violation:

Investigation: 1120477

Comment Date: 10/22/2013

Failure to check the accuracy of the manual disinfectant residual analyzers at least once every 90 days using chlorine solutions of known concentrations.

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: 517393

Compliance Due Date: 01/30/2014

Violation Start Date: Unknown

required capacity).

Investigation: 1120477

Comment Date: 10/09/2013

Failure to have a pressure tank capacity of 20 gallons per connection.

Recommended Corrective Action: Submit documentation which verifies that the pressure tank capacity for the water system is at least 20 gallons per connection.

Resolution: At the time of the investigation, it was noted that the system has added a new 5,000-gallon pressure tank. The system can meet 20 gallons per connection pressure tank capacity.

Track No: 437699

Resolution Status Date: 10/22/2013

Violation Start Date: Unknown Violation End Date: 10/22/2013

30 TAC Chapter 290.42(a)

Alleged Violation:

Investigation: 933119

Comment Date: 06/14/2011

Failure to protect chlorine cylinders from adverse weather conditions at the Grande Casa pump station.

290.42(e)(4)(B)

Housing for gas chlorination equipment and cylinders of chlorine shall be in separate buildings or separate rooms with impervious walls or partitions separating all mechanical and electrical equipment from the chlorine facilities. Housing shall be located above ground level as a measure of safety. Equipment and cylinders may be installed on the outside of the buildings when protected from adverse weather conditions and vandalism.

Investigation: 1120477

Comment Date: 10/09/2013

Failure to protect chlorine cylinders from adverse weather conditions at the Grande Casa pump station.

Recommended Corrective Action: Submit documentation indicating that the chlorine cylinders at the Grande Casa pump station are protected from adverse weather conditions.

Resolution: At the time of the investigation, it was noted that the system has moved the chlorine cylinders in the enclosed covered area protected from the adverse weather condition.

Additional Issues

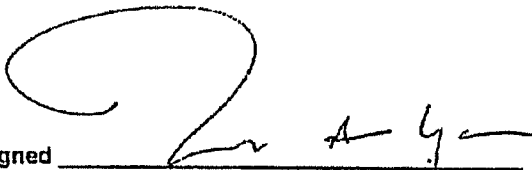
Description Item 3

Additional Comments


30 TEX. ADMIN. CODE, §290.106 and/or §290.118

Failure to meet the commission's minimum standards noted in the most recent chemical analysis conducted by the certified laboratory which indicates the quality of the water produced by the system. The Fluoride, Sulfate and Dissolved Solids concentrations are 3.7, 357, and 1240 mg/l, respectively. The maximum permissible levels of these constituent are 2.0, 300, and 1000 mg/l. A drinking water supply which exceeds the Secondary Constituent Levels may not be used without written approval from the commission.

The system is required to notify customers of this violation and repeat public notice shall be issued at least once a year for as long as the violation exists. Also submit a request to the executive director for continued use of the water for public consumption.

Signed 
Environmental Investigator

Date 10/23/13

Signed 
Supervisor

Date 10/30/13

Attachments: (in order of final report submittal)

- Enforcement Action Request (EAR)
- Letter to Facility (specify type) : NOR
- Investigation Report
- Sample Analysis Results
- Manifests
- NOR

- Maps, Plans, Sketches
- Photographs
- Correspondence from the facility
- Other (specify) :

PUBLIC WATER SYSTEM DATA

Name of System: Grande Casa	
CCN Number: 11543	PWS ID: 700063
Classification: Not Applicable	Type: Community
Region Number: 4	

Interconnect with Other PWS:	No	Name of PWS I/C:
Type I/C:		

Retail Service Connections:	Retail Meters:	157
Retail Population: 471		

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

Total Well Capacity:	130 GPM	0.187 MGD
Raw Capacity:	GPM	MGD

Total Elevated Storage:	0 MG	Total Storage Capacity:	0.0500 MG
Pressure Tank Capacity:	0.0080		

Maximum Daily Usage:	unknown MGD	Date:	09/09/9999
Average Daily Usage:	0.07155 MGD	Time Period:	09/01/2012 to 08/31/2013
Wholesale Contract:		Maximum Purchase Rate :	
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	0.003 MG	ST	Grande Casa & Old Maypearl (PS#1)
GR	0.05 MG	ST	Grande Casa & Old Maypearl (PS#1)
HD	0.005 MG	ST	Grande Casa & Old Maypearl (PS#1)

WATER SOURCES

EP No	Source Code	Owner's Des	Location	Status	Pump Type	Tst. GPM	Est. GPM	Tst/Est. Date
1	G0700063A	Well#1	Grande Casa	O	Submersible	130		09/25/2013

SERVICE PUMPS

Pump Number	Output	Location
1	5 HP / 100 GPM	Grande Casa & Old Maypearl (PS#1)
2	20 HP / 400 GPM	Grande Casa & Old Maypearl (PS#1)

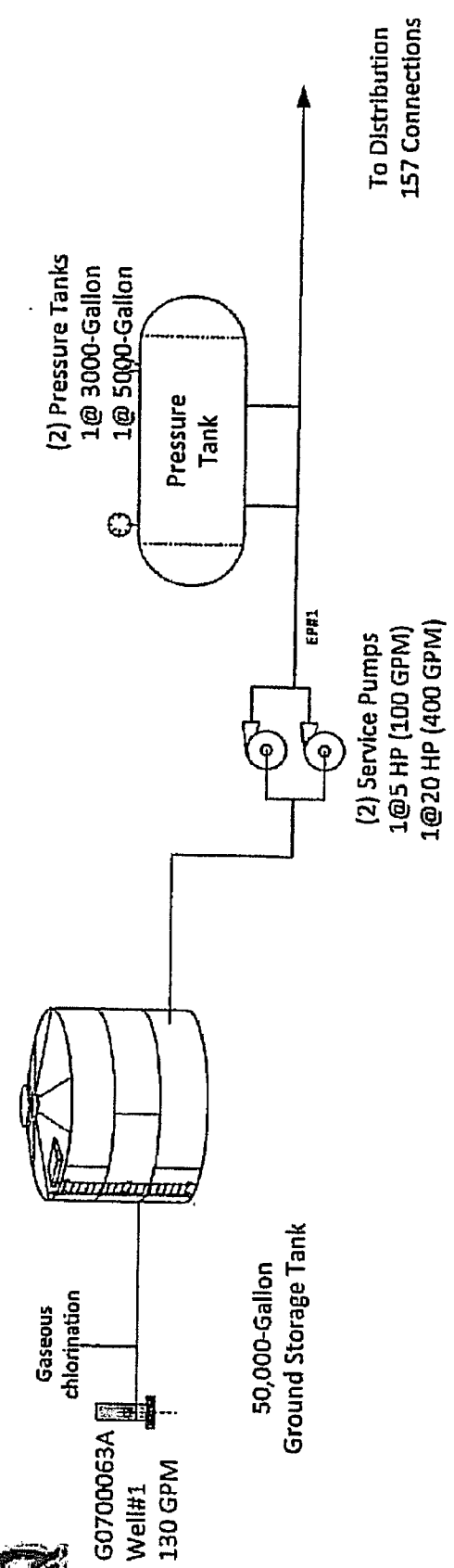
SYSTEM CAPACITIES

Pressure Plane Number: 1 Name: Pressure Plane#1

System Capacities	Required	Provided
Well Production	0.6 GPM Conn X 157 Conn = 94.2	GPM 130
Elevated Pressure Storage	20 Gal/Conn X 157 Conn = 0.00314	MG 0.008
Ground/Total Storage	200 Gal/Conn X 157 Conn = 0.0314	MG 0.050
Service Pump Capacity	2.0 GPM/Conn X 157 Conn = 314	GPM 500
Service Pump Peaking Factor	MDD/1440 X **	GPM
Tested PSI: 52 Tested CL2: 1.20 Free Location: 314 Vineyard Street		

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

Grande Casa
 TCEQ ID # 0700063
 Survey Conducted on 09/19 & 25/2013
 Investigator: Imran Khawaja



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Texas Commission on Environmental Quality

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

Unit Name : Equipment Monitoring
Investigation # : 1120477
Facility Name : GRANDE CASA

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 Dräger 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 Multi-probes used during this investigation?	NO		
16	Was the IDEXX Colifert® and IDEXX Enterolert® Methods used during this investigation?	NO		
17	Was the Jercme 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 Nikon® XLI 700 Series X-Ray Fluorescence (XRF) Environmental Analyzer used during this investigation?	NO		
28	Was the OHS 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 ORAE 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 Soniek Flowtracker 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 TravellIR 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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