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 A - 4 Environmental Investigator	Date [8/9]]3	:
SignedSupervisor	Date 10/18/13	u
Attachments: (in order of final report submittal)Enforcement Action Request (EAR)Letter to Facility (specify type) : Investigation ReportSample Analysis ResultsManifestsManifests	Maps, Plans, Sketches Photographs Correspondence from the facility Other (specify) :	•
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PUBLIC WATER SYSTEM DATA

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ſ	Name of System:	Spanish Grant	Subdivisio			
	-	11543			700064	
					Commu	nihe
`		Not Applicable	е Тур	е.	Commu	liity
	Region Number:	4				
	Interconnect with PWS:	Other No	o Nam	e of F	WS I/C:	
ţ	Type I/C:					
:	Retail Service Con	nections:	Re	tall M	leters:	134
	Retail Population:	402				
	Wholesale Master Meters:	0			ale Servi tions:	ce .
1	Wholesale Popula	tion:				
	Total Well Capacit	y: 118 GPM	0.170 M	GD		• -
ļ	Raw Capacity:	GPM M	GD			
	Total Elevated Sto	orage: 0 MG		Tota	Storage	Capacity: 0.0300 MG
	Pressure Tank Capacity:	0.003				
:	Maximum Daily Usage:	unknown	MGD	Date	:	09/09/9999
·	Average Daily Usage:	0.0365 Ń	GD	Time Perio		09/01/2012to 08/31/2013
	Wholesale Contra	ct:	No	Max	imum Pu	Irchase Rate :
	No. of Samples Re	equired:	1	No.	of Sampl	les Submitted: 1
1	No. of Raw Sampl	es Required:	1		of Raw S mitted:	amples 1
•	Non-Comm Dates Operation:	of	09/09/999	19 to C	9/09/999	9

WATER STORAGE TANKS

TIMOE	Capacity	Malerie	
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)

WATER SOURCES

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RIP No.	Source Code	Okners Des	ເບີດເວລາມັດເກ	Sta	tus Putno Tixle (EPML G	su tsuesuepmi RM: Dele
1	G0700064A	Weli#1	FM 1446	0	submersible 40	09/25/2013
1	G0700064B	Well#2	FM 1446	0	submersible 78	09/25/2013

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SERVICE PUMPS

PumpiNi	ທຸກເອລະ ອຸບທຸລາຍເ	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 Numb	er: 1	Name: F	ressure	e Plane#1			
System Capacilles					Required	(j. j. ² 2.	lRhowndiad
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	х	**		GPM	
Tested PSI: 48 Teste	d CL2	: 0.95 Free	e Local	ion: 2408	Alto Road		

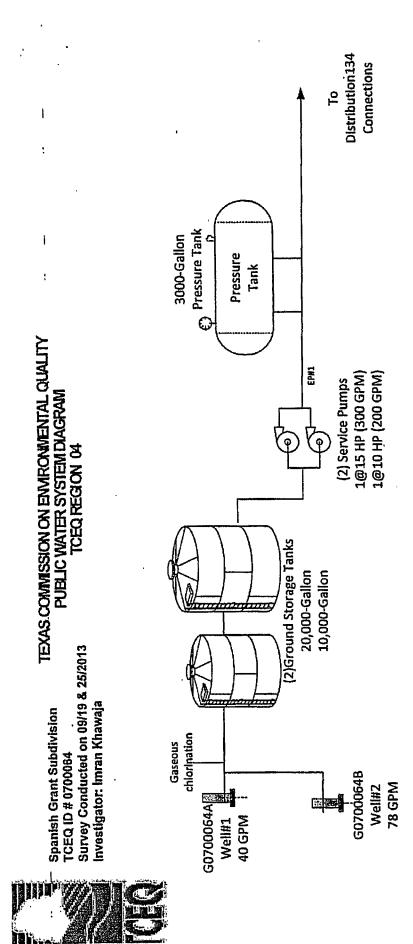
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Registric Barity Siles Name France TERD, Add. Diff. C T and S a S f the second		. ;	:	TC	CEQ EXIT	TCEQ EXIT INTERVIEW FOR	M: Po	EW FORM: Potential Violations and/or Records Requested	nd/or Records Rec	quested	1
		Regula	ted Entity	y/Site Name	Spani	-proverse	rbdr	131.1	TCEQ Add. ID No. RN No. (optional)	oe o l	
		Investi	gation Ty	pe	27	ntact Made In-House (X/N)	ブ	Purpose of Investigation	ompre ha	3	I'm m
		Regula	ted Entity	y Contact	Rich	al a		Telephone No.	HLE9-308	$\overline{\mathbf{x}}$	121121
		Title			per	ator.		Fax No.	-	Date Faxed	
The regency. Potential Yalartity the necessary records, the company' contact and date due to the agency. Potential Yalartion issues: include the rule in guestion with the clearly described potential problem. Other type of isques: fully describ. Potential Yalartion issues: include the rule in guestion with the clearly described potential problem. Other type of isques: fully describ. Potential Yalartion issues: include the rule in guestion with the clearly described potential transmission. Discription of Issue Discription Discription Other presentative flat company for the regulated actity (company) representative received a copy of this document and associated if contact was made by telephone, document will be faxed to regulated actity (herefore, Signature not required. If contact was made by telephone, document will be faxed to regulated actity (herefore, Signature of required. If contact was made by telephone, document will be faxed to regulated actity (herefore, Signature treceived a copy of this donument and associa	-	NOTICE: findings rel enforcemen	The informa lated to viola nt. Conclusio	ation provided in thi <i>thious.</i> Any potentia are drawn from this	is form is intended 1 1 or alleged violatio 5 investigation, inclu	In provide clarity to issues that have a uns discovered after the date on this fi ading additional violations or potenti	arísen during orm will be e al violations (the investigation process between l ammunicated by telephone to the <i>n</i> fiscovered (if any) during the cours	he TCEQ and the regulated entity spulated entity representative prio. c of this investigation, will be doc	r named above and <i>does not</i> r to the issuance of a notice cumented in a final investig	r represent final TCEQ e of violation or jation report.
Biscription of Issue Discription of Issue C(1) Failure to Cali brade well meters (a 1000 644, a 1000 643) every livery (2)(1) Failure to Uwrly accumption (2)(2) Failure (1)		S	isue	For Records	s Request: iden and Potential V		he compai rule in qu	ny contact and date due to estion with the clearly des	the agency. cribed potential problem.		s: fully describ
3.5(1) For it branch with sector of the house of Coloro 644, Goloo 648 Severy three y (2.3)(1) Fail prime for work sector of the manular of prime y (2.3)(1) Fail prime for work sector of the manular of prime y (2.3)(1) Fail prime for work sector of the manular of the sector of the form of the sector for the manular of the sector for the manular of the sector for the sector of the sector for the manular of the sector for the sector form of the sector form of the sector for the sector of the form of f		No.	1.20M	Rule Citatio	on (if known)		•	Descriptio	n of Issue	•	-
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Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request) PV Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request) PV ad entity named above operating without proper authorization? DYes No ad entity representative that continued operation is not anthorized? DYes No attract on this document establishes only that the regulated entity (company) representative received attract was made by telephone, document will be faxed to regulated entity; therefore, signature not be and by telephone, document will be faxed to regulated entity; therefore, signature of be and the presentative received attract was made by telephone, document will be faxed to regulated entity; therefore, signature of the factor presentative rectived in the factor, presentative received attract was made by telephone, document will be faxed to regulated entity; therefore, signature of the factor presentative received if the factor, presentative received in the factor, presentative received in the factor, presentative received information that the ageny gathers on its form. The may also have any errors in their information corrected. To revolute the agenty gathers on its form. The may also have any errors in their information corrected. To revolute the agenty gathers on its form. The may also have any errors in their information corrected. To revolute the results at the results of the factor. To factor at the results of the factor. To factor at the results of the factor.		्रिं	A-F	290.46	(S(2)(C)	 	F	-11 20 4	-Vanshyer	leagt-	90
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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

Item Due Description Answer Comments No. Date EQUIPMENT MONITORING SECTION Was an Anemometer used during this Investigation? NO 1 Was the Area RAE Multi-Gas Monitor used during this NO 2; investigation? Was the Civit Defense V-700 Radiation Survey З NO Instrument used during this investigation? Was the DataRAM(TM) Real-Time Aerosol Monitor NO 4 used during this investigation? Was the Dissolved Oxygen Meter used during this NO 5 investigation? Was the Drager Gas Detector Pump/Tube System NÔ 6 used during this investigation? Was the El Paso Method for Measurement of NO <u>،</u> Air-Strippable VOCs in Water used during this Investigation? Was the Garmin GPSMap 60CS GPS Receiver used 8 NO during this investigation? Was the Garmin RINO 130 GPS Receiver used during 9 NO this investigation? 10 Was the GAS FindIR used during this investigation? NO 11 Was the Hach Model 2100P Portable Turbidimeter NO used during this investigation? Was the Hach Pocket Colorimeter used during this 12 YES investigation? 13 Was the Hach Pocket Turbidimeter used during this NO Investigation? 14 Was the Haz-Dust 5000 Environmental Particulate Air NO Monitor (EPAM) used during this investigation? 15 Was the Hydrolab DataSonde® 4 and Hydrolab NO MiniSonde® Water Quality Mulliprobes used during this investigation? Was the IDEXX Colifert® and IDEXX Enterolert® 16 NO Methods used during this investigation? Was the Jeroma 631-X Hydrogen Sulfide (H2S) 17 VO Analyzer used during this investigation? Was the LANDTEC GEM 2000(TM) Landfill Gas NO 18 analyzer used during this investigation? Was the Ludium Model 14C Geiger Mueller (GM) 19 NO counter used during this investigation? Was the Ludium Model 19 Micro R Meter used during 20 NO this investigation? Was the Marsh-McBimey Flo-Mate 2000 21 NO Electromagnetic Flow Meter used during this Investigation? Was the MiniRAE 2000 PhotoIonization Detector used NO 22 during this investigation? 23 Was the MIRAN 205B SapphiRe Portable Infrared 10 Ambient Analyzer used during this investigation? Was the MSA Passport@ PID II Organic Vapor Monitor NO 24 used during this investigation? 25 Was the Multi-parameter Water Quality Monitoring VO Sonde and Display used during this investigation? Was the MultiRAE Plus Multi-Gas Monitor used during 26 NO the investigation? ł

27	Was the Niton® XLt 700 Series X-Ray ruorescence	NO		
•	(XRF) Environmental Analyzer used during this investigation?			•
8	investigation?	NÖ		1
9	Was the pH Meter used during this investigation?	ΝÖ		
0	Was the Portable Organic Vapor Monitor (OVM) Photolonization Detector used during this investigation?	NŐ		
1	Was the Pressure Gauge used during this Investigation?	YES		
2	Was the Pressure Recorder used during this investigation?	NO		
3	Was the QRAE Multi-gas Monitor used during this investigation?	NO		ł
14	Was the Sample Collection of VOCs in Amblent Air Using Passivated, Stainless Steel Canisters used during this investigation?	NÔ		
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?	NÖ		1
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?	NÓ		
41	Was the TravellR 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		1
44	Was the Weetherpak 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		1
3	Was them sampling conducted for Leachate/Contaminated Water?	NÔ		
4	Was there sampling conducted for PWS Chemical?	NO		
5	Was there sampling conducted for Sediment/Soli?	NŌ]	
6	Was there sampling conducted for Spills/Unauthorized Discharge?	NŌ		
7.	Was there sampling conducted for Surface Water?	NŎ		Í
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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<u>Texas Commission on Environmental Quality</u> 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	· · · · ·	1	PRESIDEN	IT	
License Type		License Number			
~					
Mailing Address:					
Street Address			C/O	or Address Line 2	
513 WINDI	NG CRE	eek tral			
City		State	1	Zip	
KED OAK				25154	
Business Phone	Other Phone	Other Pho	ne Type	Email	
972/617-0817-					

** Regulatory mail will be addressed to this person

No PWS Primary Contact as	signed to th	nis PWS			
RICIC REED	ER_	A			
Emergency Contact Name ****	Emergency	/ Phone	Emergency Email		
RICK L REEDER	214/	808-0274			
	7				
License Type		License Number			
GC-GROUNDW	*TER-	WGODOR.	12.2,		

**** 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

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

l	Customer Class	Customer Category	Population Served	# of Connect	# of Meters	# I/C w/other PWS
l	RESIDENTIAL	RESIDENTIAL AREA	402	134	133	0
:			402	130	130	
htt	p://agmt/iwud/report	s/index.cfm?RequestTimeou	ut=2000	134	Y C .	9/5/201

Water System Data Sheet Rept

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Total Product (MGD)	Average Daily Consump	Total Storag (MG)	ge	Elev. Storage (MG)	(MG	np Cap. 5D)		ur.Ca	ip. p.(MGD)		Press Tank Cap.(MG)	1
1.187	0.030	0.030		0.000		20 1/	0.000)			0.003	800	
6.17	5 0-03	365											
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	ACTIVE									<u></u>			
										• N	umber	1	ł
Operator		OD OLINID				A				1	1 ./		
WATER	GRADE C	GROUND	<u></u>										
1		Surveyor	-			Survey Typ	e C	ode	Region	County	Def	Score	
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Water System Data Sheet Report

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(Entry Point) EP Name/Source WUD Chem Dist Entry Plant Name Chemical Distribution Summation (Activity Plant Sample Sample Point (Activity Status) Mon Type Mon Type Status) Num Point Point SAMPLE TAP / 001 3470 Plant(A) No No WOODBINE(A)

Train: (Unnamed)

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

			(Active Source	es)				
Source Number	Source Name (Ac	tivity Status)		Source Type	Depth	Tested GPM	Rated GPM	
G0700064A	1 - W OF 1H35 /	FM 1446(A)	0	G	641	50	39	
Drill Date		Well Data			C <u>228-au-ur-ur-ur-ur-ur-</u> ur-	40		
3/18/1972	t	WOODBINE S	AND					
GPS Latitude (decimal)	GPS Longitude (decimal)	GPS Elevation	GPS Date	GPS Cert. No.	Seller			
32.345275	96.984169	700]			
Source Number	Source Name (Ac	tivity Status)	Operational Status	Source Type	Depth	Tested GPM	Rated GPM	
G0700064B	2 - SPANISH G	RANT(A)	0	G	645	,80	85	
Drill Date		Well Data	18					
9/4/1999			7 0					
GPS Latitude (decimal)	GPS Longitude (decimal)			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 -

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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#: 070006	54	SYSTEM INFO: Sp.	Spanish Grant Subdivision			
Last Name	First Name	License Number	License Type	Exp. Date		
Reeder	Rick	WG0008722	C-Groundwater	06/28/2016		

Bryan W. Shaw, Fh.D., Choirman 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



Re: Notice of Violation for the Compliance Evaluation Investigation at: Lakeview Rachettes, 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 <u>http://www.tceq.state.tx.us</u> 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 say-based ink

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

Summary of Investigation Findings

LAKEVIEW RANCHETTES

4111 MILLER RD

Investigation # 1120642 Investigation Date: 09/19/2013

MIDLOTHIAN, ELLIS COUNTY, TX 76065

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-ground storage tank at Pump station #1in 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-galion ground storage tank at pump station#1 has been repaired and returned to a corrosive free state.

Summary of Investigation Findings

Page 1 of 2

LAKEVIEW RANCHETTES

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).

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PWS/070005., CO/09-25-13/CCI/NOV

Texas Commission on Environmental Quality

Investigation Report

Walter J. Carroll Water Company, Inc. CN600666507

LAKEVIEW RANCHETTES

		RN101	266682					
Investigation	#1120642		Incident	#				
Învestigator:	estigator: IMRAN KHAWAJA			Site Classification GW 51-250 CONNECTION				
Conducted:	09/19/2013 - 0	9/25/2013	SIC Code:	4941				
Program(s):	PUBLIC W SYSTEM/S							
Investigation	Type : Complia	nce Investigation		Location : W EDGE OF MIDLOTHIAN 1/4 MI W OF HWY 67 ON OLD FT WORTH RD				
Additional ID(s): 0700057							
Address: 411 MIDLOTHIAN,		Activity	Type : REGION 04 - PWSCCIGWO COMMUNITY	CM - CCI G	W PURCHASE -			
Principal(s) :								
Role		Name						
RESPONDEN	ŧT	WALTER J CARRO	OLL WATER COMPA	NY INC				
<u>Contact(s) :</u>								
Role		Title	Name	Phone	ž			
Notified		FACILITY OPERATOR	MR RICK REEDER	Cell	(214) 808-0274 (972) 617-0817			
		FACILITY		Work	(972) 617-0817			
Participated in In	vesugation	OPERATOR	MR RICK REEDER					
Regulated Enlity	Contact	FACILITY OPERATOR	MR RICK REEDER					
Regulated Enlity	Mail Contact	OWNER/OPERATOR	MR WALTER J CARROLL	Work	(972) 617-0817			
Participated in In	vesligation	OWNER/OPERATOR	MR WALTER J CARROLL					
Other Staff M	ember(s) :							
Role		Name						
Supervisor QA Reviewer		CHARLES MARS						
		Associated Che	ck List					
Checklist Na	me		<u>Unit Name</u>					
	SENCY POWER		Emergency P	ower				
		IPMENT MONITORIN	NG Equipment Mo	onitoring				
AND SAMPL PWS STAND	ING revised 06/2 ARD FIELD	013	Lakeview Ran	chettes				

LAKEVIEW RANCHETTES - MIDLOTHUN

9/19/2013 to 9/25/2013 Inv. # - 1120642

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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-gation 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 HP7 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 Weil 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

LAKEVIEW RANCHETTES - MIDLC ... AN

9/19/2013 to 9/25/2013 Inv. # - 1120642

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- 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

ADDITIONAL COMMENTS None

OUTSTANDING ALLEGED VIOLATIONS

Tracking # 517147

 \S 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.

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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-ground storage tank at Pump station #1in 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%.

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

LAKEVIEW RANCHETTES - MIDLOTIN

9/19/2013 to 9/25/2013 Inv. # - 1120642

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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

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Recommended Corrective Action: Submit photographs showing that the concrete base of 20,000-gailon 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

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LAKEVIEW RANCHETTES - MIDLL ...IAN

9/19/2013 to 9/25/2013 Inv. # - 1120642

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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 Signed Supervisor

Date ____

10/21/13 Date

Attachments: (in order of final report submittal)

Enforcement Action Request (EAR)

Letter to Facility (specify type) : ____

- Investigation Report
- Sample Analysis Results
- Manifests
- NOR

Maps, Plans, Sketches
Photographs

- _Correspondence from the facility
- Other (specify) :

PUBLIC WATER SYSTEM DATA

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Name of System:	Lakeview Rar	nchettes					
CCN Number:	11543	PV	VS ID:	700057			
Classification:	Not Applicabl	e Ty	pe:	Commun	ity		
Region Number:	4						
Interconnect with PWS:	Other N	o Nan	ne of F	WS I/C:			
Type I/C:							
Retail Service Con Retail Population:		R	etail M	eters:	102		
Wholesale Master Meters:	. 0		holesa	ale Servic tions:	e	0	
Wholesale Popula	ation: 0						
Total Well Capaci	ty: 56 GPM	0.0806 M	GD				
Raw Capacity:	GPM N	IGD					
Total Elevated Sto	orage: MG		Total	Storage	Capacity:	0.040	MG
Pressure Tank Capacity:	0.007	0					
Maximum Daily Usage:	unknown	MGD	Date	: 0	9/09/9999		
Average Daily Usage:	0.0214 M	GD	Time Peric	C	9/01/2012to	o 08/31	/2013
Wholesale Contra	ct:	No	Maxi	mum Pure	chase Rate	:	
No. of Samples R	equired:	1	No. c	f Sample:	s Submitte	d:	1
No. of Raw Sampl	es Required:	1		of Raw Sam nitted:	mples		1
Non-Comm Dates Operation:	of	09/09/999	9 to 09	9/09/9999			

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WATER STORAGE TANKS

	Cepecility ??	Materi	all Eccation .
HD		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 Soutice	- leocatio	n Sta	us Rump Type Ast GPM	Est. TSVEStGPMi GPM/ Date
1 G0700057A Well#1	Old Ft. Worth	0	Submersible 56	09/25/2013

SERVICE PUMPS

PumpeRun	iloer Outjours	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 Nam

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Name: Entire System

System Gapacities and the		Requi	eo - 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						Require	di 👘	Provideo
Well Production		GPM Conn	Х	an in carse and in corre	Conn		GPM	
Elevated Pressure Storage	20	Gal/Conn	Х	56	Conn	= 0.0011	MG	0.003
Ground/Total Storage	200	Gal/Conn	Х	56	Conn	= 0.0112	MG	0.02
Service Pump Capacity	2.0	GPM/Conn	Х	56	Conn	= 112	GPM	500

Service Pump Pe Factor	eaking	MDD/	1440 >	<	**	GPM	<u> </u>
Tested PSI: 55	Tested CL2:	1.20	Free	Location:	4392 Old	Fort Worth	

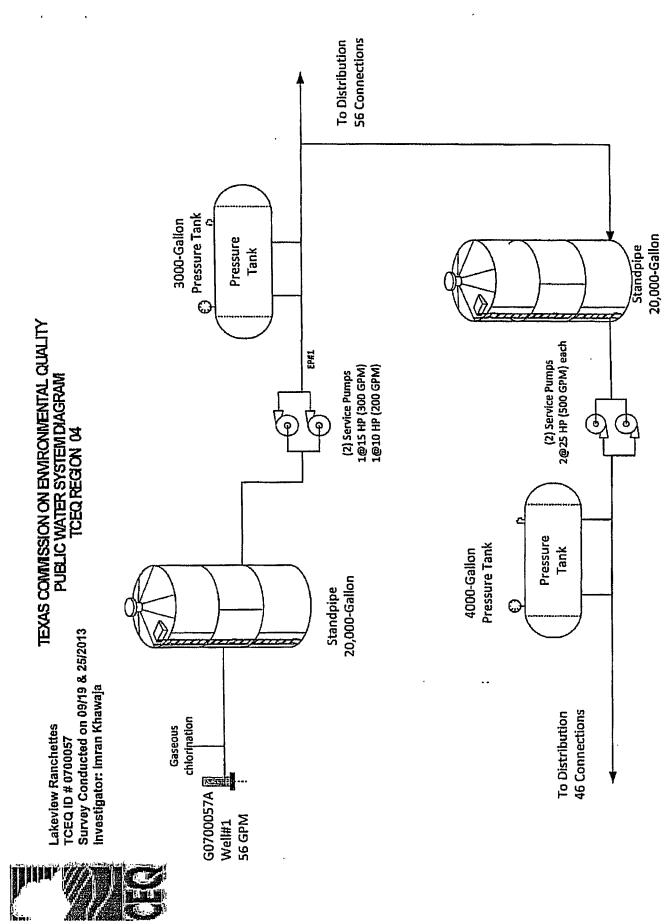
Pressure Plane Number: 2 Name: Pressure Plane #2

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System/Capacities				Requir	ed (Mark	Provided
Well Production		GPM Conn		`Conn ≕	GPM	
Elevated Pressure Storage	20	Gal/Conn	X 46	Conn = 0.0009	2 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	х	**	GPM	4
Tested PSI: 50 Tested	1 CL2:	0.28 Free	e Local	tion: 4521 Miller Ro	ad	~

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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 Monilor 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		1
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 Mulliprobes used during this investigation?	NO		
16	Was the IDEXX Collect@ and IDEXX Enterolen@ Methods used during this investigation?	NO		
17	Was the Jerome 631-X Hydrogen Sullide (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 Ludium Model 14C Geiger Mueller (GM) counter used during this Investigation?	NO		· · · · ·
20	Was the Ludium 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 Mulli-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		

Texas Commission on Environmental Quality

PWS EMERGENCY POWER INITIATIVE Checklist

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

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County : ELLIS TCEQ Investigator : IMRAN KHAWAJA

ltem 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		
8	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?	NÖ		-

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27	(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 Montlor (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 Passivaled, Stalniess 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 Sonlek Flowtracker used during this Investigation?	NO		
39		NO		-
40	Was the Toxic Vapor Analyzer (TVA) 1000B Flame Ionization Detector (FID) used during this Investigation?	ю		
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?	NÖ		
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 Due Description Answer Comments No. Date GENERAL PROVISIONS: Meets applicable 290.39 COMPLIANT slandards? CESSATION OF CONSTRUCTION AND COMPLIANT 2 OPERATIONS: Meets applicable 290.40 standards? WATER SOURCES: Meets applicable 3 COMPLIANT 290.41slandards? WATER TREATMENT: Meets applicable 290.42 COMPLIANT standards? WATER STORAGE: Meets applicable 290.43 COMPLIANT Ś standards? WATER DISTRIBUTION: Meets applicable 290.44 COMPLIANT Ŕ standards? MINIMUM WATER SYSTEM CAPACITY COMPLIANT **REQUIREMENTS: Meets applicable 290,45** slandards? MINIMUM ACCEPTABLE OPERATING PRACTICES COMPLIANT 8 FOR PWS: Meets applicable 290.46 standards? APPENDICES: Meets applicable 290.47 standards? COMPLIANT (Appendices A through J) 10 DRINKING WATER STANDARDS GOVERNING COMPLIANT WATER QUALITY AND REPORTING REQUIREMENTS FOR PWS: (SUBCHAPTER F) Meets applicable 290.101 Innough 290.122 standards? DISTRIBUTION SYSTEM FIELD TESTING 11 COMPLIANT ACTIVITIES: (Pressure and Residual DisInfection Level Testing) Meets applicable 290.46(r) and 290.46(d)(2) standards? SWTP FIELD TESTING ACTIVITIES: (pH, 12 COMPLIANT Temperature, Disinfectant Residual, Alkaänity, Turbkily, Jar Testing, and Other) Meets applicable 290.42(d)(15)(C) standards? EMERGENCY PREPAREDNESS PLAN (Only applies 13 to Harris County) 13A Meets applicable 290.46(1)(5) standards? NOT APPLICABLE 138 Meets applicable 290.45(h) standards? NOT APPLICABLE FIRE HYDRANT REQUIREMENTS (Only apply to the NOT APPLICABLE 14 City of Houston) - Meets applicable 290.46(x) standarda? 15 NON COMPLIANT Item 1 Failure to check the accuracy of the manual 01/30/2014 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 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 01/30/2014 (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, Citation: 30 TAC Chapter 290, SubChapter D 290.46(s)(1)

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If contact was made by telephone, document will be faxed to regulated entity, therefore, signature not required. \Box	usue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Ottler), or RR (Records Request) Did the TCEQ document the regulated entity named above operating without proper authorization? Image: Solution of the segulated entity representative that continued operation is not authorized? Did the investigator advise the regulated entity representative that continued operation is not authorized? Image: Solution of the segulated entity representative that continued operation is not authorized? 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. 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While Copy: Regulated Entity Representative Yellow Copy: TCEQ TCED:20065 (Rev. 6/37)

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10/17/2013	Texas Commission on Environmental Quality
4:13:52PM	Water System Data Sheet

WSDSR

PWS ID	PWS Name	Central Registry RN
0700057	LAKEVIEW RANCHETTES	RN101266682

Organization/Customer *	Central Registry CN
	Certital Registry CI4
WALTER J CARROLL WATER COMPANY INC	Chiconeceraz
	CN600666507

* Regulatory mail will be addressed to this organization / person

Responsible Official **		Tille				
WALTER J CARROLL		PRESIDENT				
License Type	·	License Number				
		·				
Mailing Address:						
Street Address			C/C) or Address Line 2		
513 WINDING	TRAIL			1		
	C				•	
City		State		Zip		
RED OAK		XT		75154		
Business Phone	Olher Phone	Other Ph		Email		
972/617-0817						
				per a contract of the second secon		

** Regulatory mail will be addressed to this person

~ -

1/

PWS Contact - If diffe	rent than above **	*	Tille
RICK L REEDER			OPERATOR
License Type			License Number
C - GROU	NDWATER	2	WG0008722
Mailing Address for P	WS Primary Conta	.ct:	
Street Address			C/O or Address Line 2
513 WINING CREE	K TRL		
City		State	e Zip
RED OAK TX			75154
Business Phone	Other Phone	Other	er 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	

http://agmt/iwud/reports/index.cfm?RequestTimeout=2000

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

EXEMPT FEDERAL COVERNMENT INVESTOR AND INCORALIST AND AND	
EXEMPT, FEDERAL GOVERNMENT, INVESTOR, MUNICIPALITY, NATIVE AMERI	CAN,
INVESTOR PRIVATE, SUBMETER \ ALLOCATION, STATE GOVERNMENT, NOT RETAIL PUBL UTILITIES, WATER SUPPLY CORPORATION, MISC/UNKNOWN	-IC

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

	lomer lass	Customer Category			Population # of Served Connect			# of Neters	w	# I/C other PWS		
RESID	ENTIAL	ENTIAL RESIDENTIAL AREA				273 94			88		0	
	306 102 102											
Total Average Total Product Daily Storag (MGD) Consump. (MG)				Elev. Booster Storage Pump Cap. (MG) (MGD)		р Сар.	Aux.Prod.Cap. Max.Pur.Cap.(MGD)		ר	³ ressure Tank Cap.(MG)		
0.086	0.016 0.040 0.000 1.728 0.000							.00800				
3-080 0.0214												
Activity Status Deactivation Date Reason												
	ACTIVE					[······		
Operator C	Grade								.	N	lum	ber ·
WATER	GRADE C C	GROUND									1	
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SURVEY

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ELLIS

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01/13/2005 9126/2013

IMICAN KHAWAJA

IMRAN KHAWAJA

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	(Entry Point)							
Point	EP Name/Source Summalion (Activity Status)	Plant Name (Activity Status)	IPIANT	Chemical Mon Type	Chem Sample Point	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 Source	:es)					
Source Source Name (Activ		ctivity Status)	Operational Status	Source Type	Depth	Tested GPM	Rated GPM		
G0700057A	00057A 1 - OLD FT WORTH RD(A)			G	504	.60	61		
Drill Date Well Data			56						
10/14/1971 PALUXY SAN			ND						
GPS Latitude GPS Longitude (decimal) (decimal)		GPS Elevation GPS Date GPS Cert. No. Sel			Seller	Chinese war it fan y yn ywyrau			
32.484722	97.042503	0			1	*****	·		

(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#: 070005	17	SYSTEM INFO: L	akeview Ranchettes	
Last Name	First Name	License Number	License Type	Exp. Date
Reeder	Rick	WG0008722	C-Groundwater	06/28/2016

Bryan W. Shaw, Fh.D., Choirman 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 <u>http://www.tceq.state.tx.us</u> 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 817-583-5700

Austin Headquarters: 512-239-1000 • treq.texas.gov • How is our customer service? treq.texas.gov/customersurvey
protect to regich descended sey-based inte

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

Enclosure: Summary of Investigation Findings

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 (G0700083A) raw water meter.

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

Alleged Violation:	
Investigation: 1120477	Comment Date: 10/22/2013

Failure to complie 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.

GRANDE CASA

Investigation # 1120477

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.

Fallure 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

Fallure 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

Summary of Investigation Findings

Page 2 of 3

GRANDE CASA

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.

PWS/0700063, 0/09-25-13/CCI/NOV

Texas Commission on Environmental Quality

Investigation Report

Walter J. Carroll Water Company, Inc. CN600666507

GRANDE CASA

	RN1026	588041			
Investigation #1120477		Incident #	Incident #		
Investigator: IMRAN KHAM	JAJA	<u>Site Classifica</u> GW 51-250	<u>tion</u> CONNECTION		
Conducted: 09/19/2013 0	9/25/2013	SIC Code: 49	941		
Program(s): PUBLIC V SYSTEM					
Investigation Type: Compli	ance Investigation		ERSECTION OF OLD ND GRANDE CASA		
Additional ID(s): 0700063					
Address: 531 GRANDE CAS/ WAXAHACHIE, TX 75167	ARD; Activity T	ype: REGION 04 - D PWSCCIGWCN COMMUNITY N	A - CCI GW PURCHASE -		
Principal(s) :					
Role	Name				
RESPONDENT	WALTER J CARRO	LL WATER COMPAN			
<u>Contact(s) :</u>			$^{\circ}$		
Role	Title	Name	Phone		
Participated in investigation	OWNER/OPERATOR	MR WALTER J CARROLL	Phone Phone		
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 Enlity Mail Contact	OWNER/OPERATOR	MR WALTER J CARROLL	Work (972) 617-0817		
Other Staff Member(s) :					
Role	Name				
Supervisor QA Reviewer	CHARLES MARSH CHARLES MARSH				
	Associated Cheo	:k List			
Checklist Name PWS EMERGENCY POWER PWS INVESTIGATION - EQU AND SAMPLING revised 06/2	IPMENT MONITORIN	<u>Unit Name</u> Emergency Pow G Equipment Moni			
PWS STANDARD FIELD		Oran da Oran	Grande Casa		

Investigation Comments :

9/19/2013 to 9/25/2013 Inv. # - 1120477

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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

GRANDE CASA - WAXAHACHIE

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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

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

9/19/2013 to 9/25/2013 Inv. # - 1120477

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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

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 (G0700053A).

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 11/05/2013 WRITTEN OUTSTANDING ALL'EGED VIOLATION(S) 4114 ASSOCIALED 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 sclutions 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

GRANDE CASA - WAXAHACHIE

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•	capacity).		
	ation: 1120477		Comment Date: 10/09/2013
Failure t	o have a pressure tank capacit	y of 20 gallons pe	er connection.
capacity to the	water system is at least 20 gail	ons per connectio	ich verifies that the pressure tank on.
5,000-galion pre	he time of the investigation, it v ssure tank. The system can me	vas noted that the et 20 gallons per	a system has added a new r connection pressure tank capac
Track No: 4376	99 Resolution State	IS Date: 10/22/20)13
	Violation Start D	ata: Unknown	Violation End Date:10/22/201
30 TAC Chapte	r 290.42(a)		
Alleged investiga	Violation: ation: 933119		Comment Date: 06/14/2011
Failure to pump sta	o protect chlorine cylinders from alion.	1 adverse weathe	r conditions at the Grande Casa
and elec ground le	for gas chlorination equipment or separate rooms with impen- trical equipment from the chlori avel as a measure of safety. Ec	rious walls or part ne facilities. Hous uloment and cylin	titions separating all mechanical
	ition: 1120477		Comment Date: 10/09/2013
Failure to pump sta	protect chlorine cylinders from ation.	adverse weathe	r conditions at the Grande Casa
ule Glande Casa	pump station are protected ind	m adverse weath	aling that the chlorine cylinders a er conditions.
Resolution: At the	he time of the investigation, it w nclosed covered area protected	as noted that the	system has moved the shlester
Side and the second second	and the second	nal-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.

GRANDE CASA - WAXAHACHIE

9/19/2013 to 9/25/2013 Inv. # - 1120477

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Signed A 4	Date 10/23/13
SignedSupervisor	Date 10/30/13
Attachments: (in order of final report submittal)	
Enforcement Action Request (EAR)	Maps, Plans, Sketches
Letter to Facility (specify type) : NOV	Photographs
Investigation Report	Correspondence from the facility
Sample Analysis Results	Other (specify) :
Manifests	
NOR	

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PUBLIC WATER SYSTEM DATA

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N		
Name of System:		
CCN Number:	11543	PWS ID: 700063
Classification:	Not Applicable	Type: Community
Region Number:	4	
Interconnect with PWS:	Other No	Name of PWS I/C:
Type I/C:		
Retail Service Con Retail Population:		Retail Meters: 157
Wholesale Master Meters:	0	Wholesale Service 0 Connections:
Wholesale Popula	ition:	
Total Well Capaci	ty: 130 GPM 0.1	87 MGD
Raw Capacity:	GPM MGD	
Total Elevated Sto	orage: 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 09/01/2012to 08/31/2013 Period:
Wholesale Contra	ct:	Maximum Purchase Rate :
No. of Samples R	equired: 1	No. of Samples Submitted: 1
No. of Raw Sampl	es Required:	No. of Raw Samples Submitted:
Non-Comm Dates Operation:	of 09/09	9/9999 to 09/09/9999

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WATER STORAGE TANKS

Туре	Capacity.	Materia	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 & Oid Maypearl (PS#1)

WATER SOURCES

EP. SourceOwners No. Gode	Location	i Sta	us Rump Type Tst I GBM C	st. TISI/EStAGPM GPMI Date
1 G0700063A Well#1	Grande Casa	0	Submersible 130	09/25/2013

SERVICE PUMPS

Pump No	Imper : Output : Provident	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
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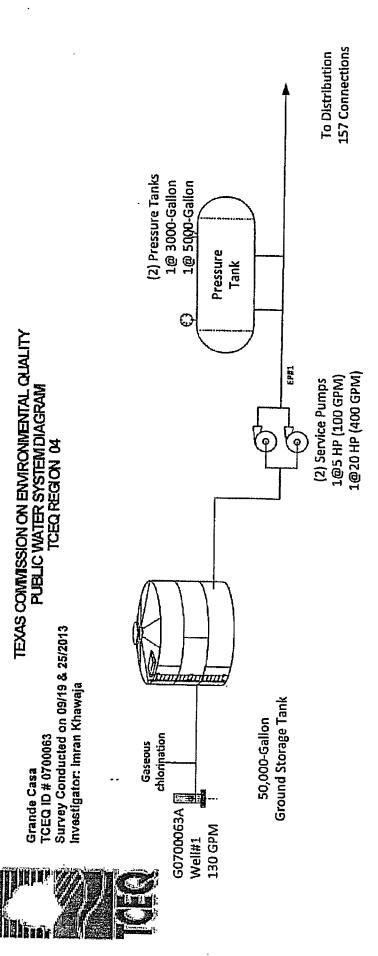
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Name: Pressure Plane#1

System.Capacities					Required	ÍN: SAR	Provided
Well Production	0.6	GPM Conn X		Conn =		GPM	A THE POST OF A DESCRIPTION OF A DESCRIP
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 Teste	d CL2	: 1.20 Free	Locati	on: 314 Vi	neyard St	reet	·

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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 XHAWAJA

ltem 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 Delense 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	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 Turbleimeter 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 Collien@ and IDEXX Enterolen@ Methods used during this investigation?	NO		
17	Was the Jercme 631-X Hydrogen Sulfide (H2S) Analyzer used during this investigation?	NO		
18	Was the LANDTEC GEM 2000(TM) Landfill Gas analyzar used during this investigation?	NO		
19	Was the Ludium Model 14C Geiger Mueller (GM) counter used during this investigation?	NO		
20	Was the Ludium Model 19 Micro R Meter used during this investigation?	NO		
21	Was the Marsh-McBirney Flo-Male 2000 Electromagnetic Flow Meter used during this Investigation?	NO		
22		NO		
23		NO		
24	Was the MSA Passport@ PID II Organic Vapor Monitor used during this Investigation?	NO		
25		NO		
26	Was the MultiRAE Plus Multi-Gas Monitor used during the investigation?	NO		

27	Was the Niton® XLt 700 Series X-Ray Fluorescence (XRF) Environmental Analyzer used during this investigation?	NO	1 1
28	Was the ORS Interface Probe(TM) used curing this investigation?	NO	
29	Was the pH Meter used during this Investigation?	NO	
30	Was the Portable Organic Vapor Monitor (OVM) Photoionization Delector 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 Ambleni 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, fist the equipment in the Comment section. SAMPLING SECTION	NO	
1	Was there sampling conducted for Elfluent?	200	
2		NO	
	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/Soll?	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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