Failure to complete the required sampling at the scheduled times will result in monitoring and reporting violations. It is the system's responsibility to complete the required sampling or provide the enclosed Notification of Treatment Start Date Form to TCEQ. Once the form is sent, it is recommended that you follow up with TCEQ to make sure the form was received, and the schedule delayed. If you have any questions or concerns about the new monitoring schedule, please contact the lead and copper program at 512-239-4691. Required monitoring is:

a) **Routine Tap Sampling:** Lead and copper tap sampling during two consecutive six-month periods [290.117(c)(2)(A)(ii)].
b) **Water Quality Parameter Sampling:** Water quality parameters (WQPs) monitoring at the frequency and locations in the following table and during the same timeframe as the two consecutive 6-month lead and copper tap sampling noted above.

WQP List	Location	Frequency
• pH • Total Alkalinity (as CaCO3) • Calcium • Calcium (as CaCO3) • Chloride • Iron • Manganese • Sodium • Sulfate • Conductivity • TDS • temperature • orthophosphate or silica	Routine number of distribution sites and all entry points	Quarterly

Note: Orthophosphate (measured as phosphate-phosphorous (PO4-P)) must be measured only when an inhibitor containing a phosphate compound is used; inhibitors that contain phosphate include orthophosphate and polyphosphate. Silica must be measured only when an inhibitor containing silicate compound is used.

After successful monitoring with no Action Levels Exceedances you will eligible to have a reduced monitoring schedule again if new sources or new treatment are not added.

As stated above, WQPs will be required for all entry points and distributions sites during four quarters during the two consecutive 6-month lead and copper tap sampling. Please provide a signed and sealed engineering report (see attached engineering report outline guidance) within 7 months of the start date of the first six-month period on the results of the first two quarter of WQP samples and the first six-month tap sample results and a discussion on the corrosiveness of the treated water from the change in treatment. The report shall be submitted to:

Vera Poe, P.E.
Plan Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Samples for raw water feed, RO permeate and finished blended water from El Paso Water Dated June 24, 2019:

Primary Contaminants				
Contaminant	MCL (mg/L)	Results		
		Raw	RO	Finished Blended
Arsenic	0.01	0.005	Not reported	0.00144
Fluoride	4.0	4.5	0.109	1.81
Nitrate	10 (as N)	1.71	0.58	0.992
Nitrite	1 (as N)	<0.5	<0.1	<0.5

Secondary Contaminants				
Contaminant	SCL (mg/L)	Results		
		Raw	RO	Finished Blended
Aluminum	0.2	<0.02	Not reported	<0.02
Chloride	300	61.4	4.4	25.5
Copper	1.0	0.0458	Not reported	<0.01
Fluoride	2.0	4.5	0.109	1.81
Iron	0.3	0.0316	Not reported	<0.02
Manganese	0.05	<0.01	Not reported	<0.01
pH	≥7 (Standard Unit)	8.0	7.4	7.4
Sulfate	300	226	1.32	84.4
Total Dissolved Solids	1,000	722	<100	294
Zinc	5.0	0.0762	Not reported	<0.04

Radionuclide Contaminants		
Contaminant	MCL	Finished Blended Results
Gross alpha	15 pCi/L	24.4 ± 7.05*
Beta Particle	50 pCi/L	5.12 ± 3.01
Radium-226/228	5 pCi/L	Not detected
Uranium	30 µg/L	21.4

*Compliance for Gross Alpha 24.4 pCi/L - 21.4 (.67) = 10.06 pCi/L

Corrosive Water Parameters			
Parameter	Result (mg/L)		
	Raw	RO	Finished Blended
Alkalinity as $CaCO_3$	251	<20	96.7
Calcium as $CaCO_3$	73	<25	25.5
Sodium	223	<10	88.3
Lead	<0.0125	Not reported	<0.0125

The proposed project consists of:

RO Pretreatment:

- Three (3) raw water storage tanks;
- One (1) variable control frequency (VFD) pressure pump;
- One (1) 55-gallon anti-scalant drum with attached pump having a dosage rate between 2.0 and 5.0 milligrams per liter;
- 5-micron pre-treatment filter with stainless steel housing and a maximum loading rate of 5 gallons per minute;

RO Unit:

- One (1) RO plant treatment system:
  - One (1) train with nine (9) vessels in a 5:3:1 array, each with four (4) Dow Filmtec XLE-440 membrane modules (thirty-six (36) membrane modules total);
  - 200 gpm feed rate;
  - 150 gpm permeate rate;

Post RO Treatment:

- Sodium hypochlorite disinfection system consisting of one (2) 0.005-0.5 gallons per hour (gph), LMI metering pump and one (1) 55-gallon chemical storage tank;
- pH adjustment system consisting of one (1) 0.5 gph, LMI metering pump and one (1) 55-gallon chemical storage tank;
- Blending ratio of 3/1 permeate to well water;
- Two (2) 343 gpm, 17.6 horsepower, VFD, end section pumps with 193 feet maximum total dynamic head; and
- All associated yard piping, valves, fittings, and appurtenances.

The Esperanza Water Service public water supply system provides water treatment.

The project is located 38581 Texas 20 in Fort Hancock, Hudspeth County, Texas.

An appointed engineer must notify the TCEQ's Region 6 Office in El Paso at (915) 834-4949 when construction will start. Please keep in mind that upon completion of the water works project, the engineer or owner will notify the commission's Water Supply Division, in writing, as to its completion and attest to the fact that the completed work is substantially in accordance with the plans and change orders on file with the commission as required in 30 TAC §290.39(h)(3).

Please refer to the Plan Review Team's Log No. **P-12272019-150** in all correspondence for this project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on TCEQ's website at the address shown below. You can also download the most current plan submittal checklists and forms from the same address.

https://www.tceq.texas.gov/drinkingwater/udpubs.html

For future reference, you can review part of the Plan Review Team's database to see if we have received your project. This is available on TCEQ's website at the following address:

https://www.tceq.texas.gov/drinkingwater/planrev.html/#status

You can download the latest revision of 30 TAC Chapter 290 - Rules and Regulations for Public Water Systems from this site.

If you have any questions concerning this letter or need further assistance, please contact Mr. Craig A. Stowell, P.E. at (512) 239-4633 or by email at Craig.Stowell@Tceq.Texas.Gov or by correspondence at the following address:

Plan Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Sincerely,

Craig A. Stowell, P.E.
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

Vera Poe, P.E., Team Leader
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

VP/CAS/sg

Enclosure: Sample results
Engineering Report Outline
Notification of Treatment Start Date TCEQ Form 20807

cc: Esperanza Water Service, Attn: Ms. Lexa D. Jobe, President, 1150 Southview Dr, El Paso, TX 79928-5240

bcc: TCEQ Central Records PWS File 1150010 (P-12272019-150/Esperanza Water Service)
TCEQ Region No. 6 Office - El Paso
TCEQ PWSINVEN, MC-155

Texas Commission on Environmental Quality (TCEQ)
Public Water System Notification of Treatment Start Date Form

PWS ID#: *TX* _____ **PWS Name:** _____

Public water systems (PWSs) making changes to long-term treatment will be scheduled to begin one year of lead and copper tap monitoring and water quality parameter monitoring based on the date specified in the TCEQ plan review approval letter, and in accordance with 30 TAC §290.117(d)(2)(E). This date will either be January 1 or July 1. ***A PWS that anticipates that they will begin using the treatment either after the date in the plan review approval letter OR 6 months or more before the date in the plan review approval letter must submit this form to the TCEQ notifying the Lead and Copper Program of the date the PWS anticipates it will begin using the treatment.*** *Notification must be received at least 30 days before the date listed in the plan review approval letter. Failure to notify the Lead and Copper Program of any long-term treatment start date changes may result in monitoring and reporting violations*

Plan Review Log No.: **P-** _____

Plan Review Team Approval Date: _____

Description of Treatment Change (refer to subject line of TCEQ Plan Review Team approval letter):

_____

_____

Date New Treatment will Start to be Used: _____

Based on the information provided above, the two consecutive six month monitoring periods for routine lead and copper tap and water quality parameter sample collection will begin (Check one and provide year):

☐January 1, _____ or ☐July 1, _____

I hereby certify that the information above is correct.

Signature: _____ **Date:** _____

Printed Name: _____ **Title:** _____

Phone: _____

Please submit the completed form to the TCEQ at the following address.

Texas Commission on Environmental Quality
Lead and Copper Program MC-155
PO Box 13087
Austin, Texas 78711-3087

el paso WATER

ANALYTICAL REPORT

International Water Quality Laboratory
4100-L Delta Drive
El Paso, TX 79905-4306
(915) 594-5725

Client: Jobe Materials (John Cordova, PE)
Project: ESPERANZA WELLS
Sampling Location:

Requested By: John Cordova
Jobe Materials
1150 Southview
El Paso, TX 79928

Esperanza Group
Ph: (915) 253-8844
Fax:

Lab ID: 19-17872
Sample ID: RO BLENDED WATER
Sampling Source: Tap
Sample Type: GRAB

Collected: 06/03/2019 10:30
Received: 06/03/2019 11:51
Reported: 06/24/2019 15:40
Matrix: Drinking Water

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Calculated Value									
Total Dissolved Solids Calc.	312	mg/L	1		06/05/2019 09:43	CW	06/05/2019 09:43	CW	
EPA 110.1 Color									
Color, True	11.0	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
Color pH Adjusted	<10	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
EPA 130.1 Total Hardness									
Total Hardness	47.8	mg/L	1	30.0	06/04/2019 11:40	MGM	06/04/2019 11:40	MGM	
EPA 200.7, ICP Metals									
Aluminum, Dissolved	<0.0200	mg/L	1	0.0200	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Barium, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Beryllium, Dissolved	<0.00400	mg/L	1	0.00400	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Boron, Dissolved	0.513	mg/L	1	0.0300	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Chromium, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Copper, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Iron, Dissolved	<0.0200	mg/L	1	0.0200	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Lithium, Dissolved	0.0256	mg/L	1	0.0200	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Manganese, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Nickel, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
Zinc, Dissolved	<0.0400	mg/L	1	0.0400	06/13/2019 10:28	LQM	06/13/2019 10:28	LQM	
EPA 200.7, ICP Salts									
Calcium, Dissolved	10.2	mg/L	1	10.0	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
Potassium, Dissolved	<2.00	mg/L	1	2.00	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
Sodium, Dissolved	88.3	mg/L	1	10.0	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
Magnesium, Dissolved	4.40	mg/L	1	0.500	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
EPA 200.8, ICP-MS Metals									
Silver, Dissolved	<1.25	ug/L	2.5	1.25	06/12/2019 00:00	LQM	06/14/2019 12:38	DAR	
EPA 200.8, ICP-MS Metals									
Antimony, Dissolved	<5.00	ug/L	1	5.00			06/19/2019 15:38	DAR	FH
Antimony, Dissolved	<5.00	ug/L	1	5.00			06/19/2019 15:38	DAR	LH
Arsenic, Dissolved	1.44	ug/L	1	0.500			06/13/2019 13:42	DAR	
Cadmium, Dissolved	<0.500	ug/L	1	0.500			06/13/2019 10:14	DAR	
Lead, Dissolved	<12.5	ug/L	5	12.5			06/18/2019 16:51	DAR	
Selenium, Dissolved	<5.00	ug/L	1	5.00			06/13/2019 10:14	DAR	

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Thallium, Dissolved	<12.5	ug/L	5	12.5			06/18/2019 16:51	DAR	
EPA 245.1 Mercury									
Mercury, Dissolved	<0.200	ug/L	1	0.200	06/18/2019 00:00	DAR	06/19/2019 10:11	DAR	
EPA 300.1 Anions									
Chloride	25.5	mg/L	2	2.0	06/04/2019 11:48	LRA	06/04/2019 11:48	LRA	
EPA 300.1 Anions									
Fluoride	1.81	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
Nitrite-N	<0.5	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
EPA 300.1 Anions									
Sulfate	84.4	mg/L	2	2.0	06/04/2019 11:48	LRA	06/04/2019 11:48	LRA	
EPA 300.1 Anions									
Bromide	<0.5	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
Nitrate-N	0.992	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
Ortho Phosphate-P	<0.5	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
HACH 8028 Surfactants									
Surfactants	<0.1	mg/L	1	0.1	06/13/2019 11:21	VBB	06/13/2019 11:21	VBB	
HACH 8114, Total Phosphorus									
Phosphorus, Total	<1	mg/L	1	1	06/04/2019 12:30	SAP	06/04/2019 12:30	SAP	
SM 2130B Turbidity									
Turbidity	0.150	NTU	1	0.100	06/04/2019 17:01	SAP	06/04/2019 17:01	SAP	
SM 2320B Alkalinity									
Total Alkalinity	96.7	mg/L	1	20	06/04/2019 09:18	MKD	06/04/2019 09:18	MKD	
SM 2510B									
Electrical Conductivity	480	umhos/cm	1	147	06/04/2019 14:49	NMN	06/04/2019 14:49	NMN	
SM 2540C TDS									
Total Dissolved Solids	294	mg/L	1	100	06/05/2019 13:35	VBB	06/05/2019 13:35	VBB	
SM 4500 SiF Silica									
Silica	7.11	mg/L	1	5	06/05/2019 14:41	MKD	06/05/2019 14:41	MKD	

Parameter Qualifiers

FH FH-The Laboratory Fortified Blank (LFB) recovery for this analyte was above the laboratory quality control limit. The reported sample concentration may be biased high.

LH LH-The Laboratory Control Sample (LCS) recovery for this analyte was above the mehod or laboratory quality control limit. The reported sample concentration may be biased high.

All results are reported on a wet weight basis unless otherwise stated. The results contained in this report were obtained using IWQL Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standard published by The NELAC Institute unless otherwise noted in the Appendix and/or Quality Control sections of this report. This report may not be reproduced, except in full, without written approval from International Water Quality Laboratory.

We value your feedback. Your input and comments help us improve the efficiency of our services. Please send your comments via email to Rawilcox@epwu.org or fax to (915) 594-5430

Richard A. Wilcox

Laboratory Services Manager

el paso WATER

ANALYTICAL REPORT

International Water Quality Laboratory
4100-L Delta Drive
El Paso, TX 79905-4306
(915) 594-5725

Client: Well Production
Project: ESPERANZA WELLS
Sampling Location:

Requested By: John Cordova
Jobe Materials
1150 Southview
El Paso, TX 79928

Esperanza Group
Ph: (915) 253-8844
Fax:

Lab ID: 19-17874
Sample ID: RO UNTREATED WATER
Sampling Source: Tap
Sample Type: GRAB

Collected: 06/03/2019 10:45
Received: 06/03/2019 11:51
Reported: 06/24/2019 15:41
Matrix: Drinking Water

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Calculated Value									
Total Dissolved Solids Calc.	772	mg/L	1		06/05/2019 09:43	CW	06/05/2019 09:43	CW	
EPA 110.1 Color									
Color, True	<10	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
Color pH Adjusted	<10	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
EPA 130.1 Total Hardness									
Total Hardness	125	mg/L	1	30.0	06/04/2019 11:40	MGM	06/04/2019 11:40	MGM	
PA 200.7, ICP Metals									
Aluminum, Dissolved	<0.0200	mg/L	1	0.0200	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Barium, Dissolved	0.0181	mg/L	1	0.0100	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Beryllium, Dissolved	<0.00400	mg/L	1	0.00400	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Boron, Dissolved	0.556	mg/L	1	0.0300	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Chromium, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Copper, Dissolved	0.0458	mg/L	1	0.0100	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Iron, Dissolved	0.0316	mg/L	1	0.0200	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Lithium, Dissolved	0.0780	mg/L	1	0.0200	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Manganese, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Nickel, Dissolved	<0.0100	mg/L	1	0.0100	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
Zinc, Dissolved	0.0762	mg/L	1	0.0400	06/13/2019 10:34	LQM	06/13/2019 10:34	LQM	
EPA 200.7, ICP Salts									
Calcium, Dissolved	29.2	mg/L	1	10.0	06/07/2019 11:31	LQM	06/07/2019 11:31	LQM	
Potassium, Dissolved	3.20	mg/L	1	2.00	06/07/2019 11:31	LQM	06/07/2019 11:31	LQM	
Sodium, Dissolved	223	mg/L	1	10.0	06/07/2019 11:31	LQM	06/07/2019 11:31	LQM	
Magnesium, Dissolved	11.8	mg/L	1	0.500	06/07/2019 11:31	LQM	06/07/2019 11:31	LQM	
EPA 200.8, ICP-MS Metals									
Silver, Dissolved	<0.625	ug/L	1.25	0.625	06/12/2019 00:00	LQM	06/14/2019 12:19	DAR	
EPA 200.8, ICP-MS Metals									
Antimony, Dissolved	<5.00	ug/L	1	5.00			06/19/2019 15:40	DAR	FH
Antimony, Dissolved	<5.00	ug/L	1	5.00			06/19/2019 15:40	DAR	LH
Arsenic, Dissolved	5.02	ug/L	1	0.500			06/13/2019 13:45	DAR	
Cadmium, Dissolved	<0.500	ug/L	1	0.500			06/13/2019 10:17	DAR	
Lead, Dissolved	<12.5	ug/L	5	12.5			06/18/2019 16:53	DAR	IL
Selenium, Dissolved	6.90	ug/L	1	5.00			06/13/2019 10:17	DAR	

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Thallium, Dissolved	<12.5	ug/L	5	12.5			06/18/2019 16:53	DAR	IL
EPA 245.1 Mercury									
Mercury, Dissolved	<0.200	ug/L	1	0.200	06/18/2019 00:00	DAR	06/19/2019 10:14	DAR	
EPA 300.1 Anions									
Chloride	61.4	mg/L	5	5.0	06/04/2019 12:06	LRA	06/04/2019 12:06	LRA	
EPA 300.1 Anions									
Fluoride	4.50	mg/L	5	0.5	06/04/2019 12:02	LRA	06/04/2019 12:02	LRA	
Nitrite-N	<0.5	mg/L	5	0.5	06/04/2019 12:02	LRA	06/04/2019 12:02	LRA	
EPA 300.1 Anions									
Sulfate	226	mg/L	5	5.0	06/04/2019 12:06	LRA	06/04/2019 12:06	LRA	
EPA 300.1 Anions									
Bromide	<0.5	mg/L	5	0.5	06/04/2019 12:02	LRA	06/04/2019 12:02	LRA	
Nitrate-N	1.71	mg/L	5	0.5	06/04/2019 12:02	LRA	06/04/2019 12:02	LRA	
Ortho Phosphate-P	<0.5	mg/L	5	0.5	06/04/2019 12:02	LRA	06/04/2019 12:02	LRA	
HACH 8028 Surfactants									
Surfactants	<0.1	mg/L	1	0.1	06/13/2019 11:21	VBB	06/13/2019 11:21	VBB	
HACH 8114, Total Phosphorus									
Phosphorus, Total	<1	mg/L	1	1	06/04/2019 12:30	SAP	06/04/2019 12:30	SAP	
SM 2130B Turbidity									
Turbidity	0.300	NTU	1	0.100	06/04/2019 17:01	SAP	06/04/2019 17:01	SAP	
SM 2320B Alkalinity									
Total Alkalinity	251	mg/L	1	20	06/04/2019 09:18	MKD	06/04/2019 09:18	MKD	
SM 2510B									
Electrical Conductivity	1190	umhos/cm	1	147	06/04/2019 14:49	NMN	06/04/2019 14:49	NMN	
SM 2540C TDS									
Total Dissolved Solids	722	mg/L	1	100	06/05/2019 13:35	VBB	06/05/2019 13:35	VBB	
SM 4500 SIF Silica									
Silica	18.2	mg/L	1	5	06/05/2019 14:41	MKD	06/05/2019 14:41	MKD	

Parameter Qualifiers

FH	FH-The Laboratory Fortified Blank (LFB) recovery for this analyte was above the laboratory quality control limit. The reported sample concentration may be biased high.
IL	IL-Due to matrix interference, the internal standard for this analyte was below the imposed or required method control limit. The reported sample concentration is estimated
LH	LH-The Laboratory Control Sample (LCS) recovery for this analyte was above the method or laboratory quality control limit. The reported sample concentration may be biased high.

All results are reported on a wet weight basis unless otherwise stated. The results contained in this report were obtained using IWQL Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standard published by The NELAC Institute unless otherwise noted in the Appendix and/or Quality Control sections of this report. This report may not be reproduced, except in full, without written approval from International Water Quality Laboratory.

We value your feedback. Your input and comments help us improve the efficiency of our services. Please send your comments via email to Rawilcox@epwu.org or fax to (915) 594-5430

Richard A. Wilcox

Laboratory Services Manager

el paso WATER

ANALYTICAL REPORT

International Water Quality Laboratory
4100-L Delta Drive
El Paso, TX 79905-4306
(915) 594-5725

Client: Jobe Materials (John Cordova, PE)
Project: ESPERANZA WELLS
Sampling Location:

Requested By: John Cordova
Jobe Materials
1150 Southview
El Paso, TX 79928

Esperanza Group
Ph: (915) 253-8844
Fax:

Lab ID: 19-17873
Sample ID: RO SYSTEM
Sampling Source: Tap
Sample Type: GRAB

Collected: 06/03/2019 11:00
Received: 06/03/2019 11:51
Reported: 06/19/2019 15:08
Matrix: Drinking Water

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
EPA 110.1 Color									
Color, True	<10	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
Color pH Adjusted	<10	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
EPA 130.1 Total Hardness									
Total Hardness	<30.0	mg/L	1	30.0	06/04/2019 11:40	MGM	06/04/2019 11:40	MGM	
EPA 200.7, ICP Salts									
Calcium, Dissolved	<10.0	mg/L	1	10.0	06/07/2019 11:29	LQM	06/07/2019 11:29	LQM	
tassium, Dissolved	<2.00	mg/L	1	2.00	06/07/2019 11:29	LQM	06/07/2019 11:29	LQM	
Sodium, Dissolved	<10.0	mg/L	1	10.0	06/07/2019 11:29	LQM	06/07/2019 11:29	LQM	
Magnesium, Dissolved	<0.500	mg/L	1	0.500	06/07/2019 11:29	LQM	06/07/2019 11:29	LQM	
EPA 300.1 Anions									
Chloride	4.40	mg/L	1	1.0	06/04/2019 10:54	LRA	06/04/2019 10:54	LRA	
EPA 300.1 Anions									
Fluoride	0.109	mg/L	1	0.1	06/04/2019 09:09	LRA	06/04/2019 09:09	LRA	
Nitrite-N	<0.1	mg/L	1	0.1	06/04/2019 09:09	LRA	06/04/2019 09:09	LRA	
EPA 300.1 Anions									
Sulfate	1.32	mg/L	1	1.0	06/04/2019 10:54	LRA	06/04/2019 10:54	LRA	
EPA 300.1 Anions									
Bromide	<0.1	mg/L	1	0.1	06/04/2019 09:09	LRA	06/04/2019 09:09	LRA	
Nitrate-N	0.580	mg/L	1	0.1	06/04/2019 09:09	LRA	06/04/2019 09:09	LRA	
Ortho Phosphate-P	<0.1	mg/L	1	0.1	06/04/2019 09:09	LRA	06/04/2019 09:09	LRA	
HACH 8028 Surfactants									
Surfactants	<0.1	mg/L	1	0.1	06/13/2019 11:21	VBB	06/13/2019 11:21	VBB	
HACH 8114, Total Phosphorus									
Phosphorus, Total	<1	mg/L	1	1	06/04/2019 12:30	SAP	06/04/2019 12:30	SAP	
SM 2130B Turbidity									
Turbidity	0.100	NTU	1	0.100	06/04/2019 17:01	SAP	06/04/2019 17:01	SAP	
SM 2320B Alkalinity									
Total Alkalinity	<20	mg/L	1	20	06/04/2019 09:18	MKD	06/04/2019 09:18	MKD	
SM 2510B									
ectrical Conductivity	<147	umhos/cm	1	147	06/04/2019 14:49	NMN	06/04/2019 14:49	NMN	
SM 2540C TDS									

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Total Dissolved Solids	<100	mg/L	1	100	06/05/2019 13:35	VBB	06/05/2019 13:35	VBB	
I 4500 SiF Silica									
Silica	<5	mg/L	1	5	06/05/2019 14:41	MKD	06/05/2019 14:41	MKD	

All results are reported on a wet weight basis unless otherwise stated. The results contained in this report were obtained using IWQL Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standard published by The NELAC Institute unless otherwise noted in the Appendix and/or Quality Control sections of this report. This report may not be reproduced, except in full, without written approval from International Water Quality Laboratory.

We value your feedback. Your input and comments help us improve the efficiency of our services. Please send your comments via email to Rawilcox@epwu.org or fax to (915) 594-5430

Richard A. Wilcox
Laboratory Services Manager

el paso WATER

ANALYTICAL REPORT

International Water Quality Laboratory
4100-L Delta Drive
El Paso, TX 79905-4306
(915) 594-5725

Client: Jobe Materials (John Cordova, PE)
Project: ESPERANZA WELLS
Sampling Location:

Requested By: John Cordova
Jobe Materials
1150 Southview
El Paso, TX 79928

Esperanza Group
Ph: (915) 253-8844
Fax:

Lab ID: 19-17872
Sample ID: RO BLENDED WATER
Sampling Source: Tap
Sample Type: GRAB

Collected: 06/03/2019 10:30
Received: 06/03/2019 11:51
Reported: 06/19/2019 15:05
Matrix: Drinking Water

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Calculated Value									
Total Dissolved Solids Calc.	312	mg/L	1		06/05/2019 09:43	CW	06/05/2019 09:43	CW	
EPA 110.1 Color									
Color, True	11.0	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
Color pH Adjusted	<10	ADMI	1	10	06/11/2019 13:25	LDS	06/11/2019 13:25	LDS	
EPA 130.1 Total Hardness									
Total Hardness	47.8	mg/L	1	30.0	06/04/2019 11:40	MGM	06/04/2019 11:40	MGM	
'A 200.7, ICP Salts									
Calcium, Dissolved	10.2	mg/L	1	10.0	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
Potassium, Dissolved	<2.00	mg/L	1	2.00	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
Sodium, Dissolved	88.3	mg/L	1	10.0	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
Magnesium, Dissolved	4.40	mg/L	1	0.500	06/07/2019 11:27	LQM	06/07/2019 11:27	LQM	
EPA 300.1 Anions									
Chloride	25.5	mg/L	2	2.0	06/04/2019 11:48	LRA	06/04/2019 11:48	LRA	
EPA 300.1 Anions									
Fluoride	1.81	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
Nitrite-N	<0.5	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
EPA 300.1 Anions									
Sulfate	84.4	mg/L	2	2.0	06/04/2019 11:48	LRA	06/04/2019 11:48	LRA	
EPA 300.1 Anions									
Bromide	<0.5	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
Nitrate-N	0.992	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
Ortho Phosphate-P	<0.5	mg/L	5	0.5	06/04/2019 11:37	LRA	06/04/2019 11:37	LRA	
HACH 8028 Surfactants									
Surfactants	<0.1	mg/L	1	0.1	06/13/2019 11:21	VBB	06/13/2019 11:21	VBB	
HACH 8114, Total Phosphorus									
Phosphorus, Total	<1	mg/L	1	1	06/04/2019 12:30	SAP	06/04/2019 12:30	SAP	
SM 2130B Turbidity									
Turbidity	0.150	NTU	1	0.100	06/04/2019 17:01	SAP	06/04/2019 17:01	SAP	
SM 2320B Alkalinity									
tal Alkalinity	96.7	mg/L	1	20	06/04/2019 09:18	MKD	06/04/2019 09:18	MKD	
SM 2510B									

Parameter	Result	Units	Dil.	RDL	Prepared	By	Analyzed	By	Qual
Electrical Conductivity	480	umhos/cm	1	147	06/04/2019 14:49	NMN	06/04/2019 14:49	NMN	
1 2540C TDS									
Total Dissolved Solids	294	mg/L	1	100	06/05/2019 13:35	VBB	06/05/2019 13:35	VBB	
SM 4500 SiF Silica									
Silica	7.11	mg/L	1	5	06/05/2019 14:41	MKD	06/05/2019 14:41	MKD	

We value your feedback. Your input and comments help us improve the efficiency of our services. Please send your comments via email to Rawilcox@epwu.org or fax to (915) 594-5430

Richard A. Wilcox
Laboratory Services Manager

EXTERNAL GUIDANCE (EG) for the Water Supply Division (WSD)-Plan and Technical Review (PTR) Section

Title: Follow-up Engineering Corrosivity Report Outline Submittal Guidance

Responsible Team/Section/Program: Plan Review Team/PTR Section

Revision Date(s): August 15, 2019

Effective Date: October 20, 2019

Approval:

Joel Klumpp: _____ Date: September 20, 2019

Section Manager

EXTERNAL GUIDANCE (EG) for the Water Supply Division (WSD)-Plan and Technical Review (PTR) Section

Table of Contents

EXTERNAL GUIDANCE (EG) for the Water Supply Division (WSD)-Plan and Technical Review (PTR) Section

Follow-up Engineering Corrosivity Report Submittal Guidance

Acronyms and Definitions

Term	Definition
PWS	Public Water System
PE	Professional Engineer
CCST	Corrosion Control Study
C	Corrosive
NC	Non Corrosive
SC	Slightly Corrosive
LCR	Lead and Copper Rule
EP	Entry Point
ALE	Action Level Exceeder
TCEQ	Texas Commission on Environmental Quality
TAC	Texas Administrative Code
WQP	Water Quality Parameter

Regulatory Reference

Internal Corrosion Control in Water Distribution Systems Manual of Water Supply Practices, AWWA M58. [Ref. EPA's OCCT, Appendix F Section F2 and AWWA M58, pp. 109-128].

TCEQ Contact Information

Plan Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

EXTERNAL GUIDANCE (EG) for the Water Supply Division (WSD)-Plan and Technical Review (PTR) Section

Background

Requirements Related to Slightly Corrosive or Aggressive/Corrosive Water

Plan review approval of new sources or treatments that affect water quality may require public water systems (PWS) to submit a follow-up engineering corrosivity report as a condition of approval. This report submittal guidance was developed as a guide for the contents of such engineering reports submitted by a Texas Professional Engineer (P.E.) on behalf of a PWS. **This guidance is not intended for lead or copper action level exceeders (ALE) that are required to prepare a Corrosion Control Study (CCST) under the Lead and Copper Rule. Please note that if a PWS becomes an ALE, they should contact the Plan Review Team at (512) 239-4691.**

A PWS that is a lead and Copper ALE is required to submit a Source Water Treatment Recommendation, Optimal Corrosion Control Treatment Recommendation and Corrosion Control Study (CCST), please contact a member of the Drinking Water Quality Team for additional guidance at (512) 239-4691.

Follow-up engineering corrosivity reports related to slightly corrosive or corrosive/aggressive water required by the Plan Review Team should be submitted to the following address:

Plan Review Team (MC 159)
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Guidance

Engineering Report Content

1. Historic and Current System Information

When reviewing the corrosive nature of water at a particular water system, it is necessary to have historical data for review. The following is a general guideline for gathering and presenting the necessary historical baseline data to include within the required engineering report.

a) Provide known information of the current distribution and service lines, including pipe material, pipe sizes, and age of piping. Include how this information has been obtained such as record drawings, waterline replacement projects from the past, and purchase orders.

b) Provide a write-up and schematic on the current water treatment process; provide a historical perspective of the major changes to the treatment process with dates and reasons for the process changes.

c) Include a summary of all historical information and Water Quality Parameter (WQP) data such as lead, copper, conductivity, total dissolved solids, pH, temperature, alkalinity, chloride, sulfate, calcium and sodium. Provide a complete description of when and why the data was collected and provide any context as it relates to system changes such as changes in treatment systems.

d) Provide information on whether the PWS has a history of lead and/or copper sampling issues and exceedances.

e) Research analogous system data that use the same sources and use similar treatment process.

2. WQP Sampling and Results

The follow-up engineering corrosivity report was triggered because the PWS is in the process of making changes such as adding a new source or process treatment changes that can have an effect on the corrosivity of the finished water. The goal of the report is to study the changes in WQP data to see the effect of the change on the system as a whole.

a) Provide WQP sample data from all entry points and distribution sites as a whole that reflects the change in treatment or source. Provide complete WQPs after the treatment modifications including the date of the process modification.

b) Provide the analytical lab results for the reported WQP data, including appropriate chain of custody with Quality Assurance/Quality Control data. Please note that pH and temperature should be taken in the field at the

time of sampling. Provide the 'field pH and temperature' associated with the WQP sampling.

c) Provide whether the PWS has elevated lead, copper, aluminum, iron or manganese levels at the Entry Point (EP). This data may affect any corrosion control treatment if required.

d) Perform corrosion indices calculations using the current WQP data after the change was initiated.

e) If the water is corrosive, then the engineering report must provide the type of treatment recommended including: type of chemical, dosage, residual and reason for the recommended treatment.

3. Lead and Copper Sampling

a) The system may be required to conduct lead and copper tap sampling as part of the plan submittal. This sampling is part of the LCR program and scheduled by LCR staff. If the system was required to do lead and copper tap sampling, please include the results as part of the follow-up engineering corrosivity report with a discussion of the results.

b) Please note that if a PWS becomes an ALE during this required sampling, they should contact the Plan Review Team at (512) 239-4691.

c) The follow-up engineering corrosivity report is due after the first six-month LCR tap sampling is required. If the system is not required to do LCR tap sampling (such as a wholesaler or Noncommunity – Transit System), the report is normally dues six months from the date of the plan approval letter.

d) Under the LCR rule, PWSs are not considered an ALE unless more than 10% of the samples exceed the threshold set by EPA. (The lead action level is 0.015 milligrams per liter (mg/L) and the copper action level is 1.3 mg/L). However, the follow-up engineering corrosivity report should include a discussion of each sample that exceeds the threshold. The discussion should address:

   a. Whether a retest was done and what the results were;

   b. History of sampling for the particular site;

   c. Any special circumstances for the site (e.g. lead service line, copper plumbing with high lead solder); and

   d. Whether a POU (such as a lead removal filter) was offered and being used at the site.

4. Future Planning

If the PWS is planning near future projects, those projects may affect water corrosivity and may change the recommendations and conclusions of the current data.

a) Include a section that discusses future planning that the system is considering such as new wells or treatment changes. Discuss how these future changes may affect the corrosivity of the finished water and whether the recommendations and conclusions include consideration of such future projects.

5. Analysis and Technical Tools

The follow-up engineering corrosivity report must include an analysis of the WQP data. The engineer should calculate the following indices for the WQP data. Formulas for the indices can be found in reference manuals or online. TCEQ uses the Tetra Tech (RTW) Model for Water Chemistry, Process, and Corrosion Control to look at water quality parameters and evaluate treatment processes. The engineer is not required to use the RTW model.

CRITERIA TABLE

Langelier Index	(NC equal or greater than -0.25, SC less than -0.25, C less than -1.0)
Ryznar Index	(NC less than 7.0, SC between 7.0 and 8.5, C greater than 8.5)
Aggressiveness Index	(NC greater than 12, SC between 10 and 12, C less than 10)

The corrosivity of the original water parameters is calculated with assumed temperatures of 10 °C and 25 °C, giving six grades.

- If 5 or 6 of the grades are NC, the water is considered non-corrosive;
- If 2 or more of the grades are C, the water is considered corrosive;
- Otherwise, the water is considered slightly corrosive.

6. Conclusions and Recommendations

a) The follow-up engineering corrosivity report must determine if the corrosiveness of the water may or may not be a problem to the particular system. The engineer needs to review all the data and either recommend new corrosion control treatment, adjust existing corrosion control or provide a detailed explanation why no new or changes to existing treatment is required.

b) For new and existing corrosion control treatment changes, the engineer needs to evaluate the treatment change to ensure that it is in accordance with the EPA OCCT. EPA's current OCCT recommendation document can be accessed from the following EPA web link: https://www.epa.gov/sites/production/files/2016-03/documents/occtmarch2016.pdf

c) The document's Appendix B and Chapter 3 flowcharts can be used to determine the likely corrosion control treatment to work.

d) For new and existing corrosion control treatment changes, the engineer needs to submit plans and specifications to the Plan Review Team for review and approval.

e) New and existing corrosion control treatment change approvals may result in the PWS being required to conduct more monitoring and to make updates to the follow-up engineering corrosivity report.

EXTERNAL GUIDANCE (EG) for the Water Supply Division (WSD)-Plan and Technical Review (PTR) Section

Available Resources

The engineer can get information from:

1. Drinking Water Watch:
   https://dww2.tceq.texas.gov/DWW/

2. TDLR Drilling reports:
   http://www.twdb.texas.gov/groundwater/data/drillersdb.asp

3. TWDB Ground water Database:
   https://www2.twdb.texas.gov/apps/WaterDataInteractive/GroundWaterDataViewer

   If you find the well and click on it, a blue link in the description that pops up opens a window. Click on scan. Sometimes you find the well report and chemical testing.

4. Central Records Search. Sometimes you can find 60's health survey that tells the well information. A searchable index of all records housed in our central file room in Austin can be viewed at the following link:

   https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH

   See our **guidelines on how to use Central File Room Online**.
   https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
NOTIFICATION OF COMPLETION/PHASE OF WASTEWATER TREATMENT FACILITY

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Current Permit Information

What is the TCEQ Water Quality Permit Number? WQ0005277000

What is the EPA I.D. Number? TX 0139459

Current Name on Permit: Esperanza Water Service Company, Inc.

Notification

Indicate the phase the facility will be operating.

- ☐ Interim Phase I Flow
- ☐ Interim Phase II Flow
- ☐ Interim Phase III Flow
- ☒ Final Phase Flow

Indicate the date that the operation began or will begin operating under the selected phase: Month/Day/Year: August 18, 2020

Comments:

Certification and Signature

Responsible Official Name (Print or Type): Irene Epperson

Responsible Official Title: Vice President

Responsible Official Email: irene@jobco.com

I certify that I am authorized under 30 Texas Administrative Code §305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature (use blue ink): _____ Date: 8-18-2020

Email completed form to: **WQ-ARPTeam@tceq.texas.gov**
or

Fax completed form to: **512-239-0884**
or mail completed form to: Texas Commission on Environmental Quality
Applications Review and Processing Team (MC-148)
P.O. Box 13087
Austin TX 78711-3087

ESPERANZA WATER SERVICE COMPANY, INC.
1150 Southview Drive
El Paso, TX 79928
(915) 298-9900 [Office]
(915) 298-9992 [Fax]

October 14, 2020

VIA E-MAIL: monica.larina@tceq.texas.gov

Compliance Monitoring Section, Team, Enforcement Division
Attn: Monica Larina, MC 149A
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Re: **Request for Extension of Schedule for Compliance with Agreed Order**
Agreed Order Docket No. 2015-1491-PWS-E, Case No. 51355
Agreed Order Effective Date: May 26, 2016
Esperanza Water Service Company, Inc.
Regulated Entity No. RN101207371

Dear Ms. Larina:

By this letter, Esperanza Water Service Company, Inc. ("EWSCO") is requesting an extension of time until June 20, 2021, for full compliance with the following provisions of the Order referenced above entered on May 25, 2016, and for which the requested Amended Schedule to June 21, 2020, was approved on July 17, 2019.

The provisions for which EWSCO is requesting an extension are:

- 2.f - Return to compliance with the MCL for fluoride, based on the running annual average; and

- 2.g - Submit written certification to demonstrate compliance with Ordering Provision No. 2.f

To bring you up to date on this matter, our prior efforts and progress on resolving this issue were more fully described in a letter dated May 23, 2019, to the Order Compliance Team and to the Public Drinking Water Section and, again, in my letter to you dated June 21, 2019.

The current status of the operation is that EWSCO commenced operation of its approved Reverse Osmosis (RO) system August 18, 2020, as shown by TCEQ Form 20007 submitted to the TCEQ on August 18, 2020 (copy attached). This was confirmed by a letter from our engineers to the TCEQ Region 6 Office on September 8, 2020 (copy attached).

There were two components in this process that had to be brought together:

(1) Authorization to discharge the wastewater from the RO facility. The TCEQ issued Permit to Discharge Wastes under TPDES Permit No. WQ0005277000 on July 9, 2020 (copy attached); and

(2) Obtain approval to operate the RO system. EWSCO received a correction letter authorizing operation of the RO system on August 25, 2020 (copy attached w/o enclosures). Please note that this is a revised letter that replaced the TCEQ's previous letter dated February 28, 2020. EWSCO's engineer's had actually received verbal and e-mail confirmations that this letter would be issued in August and that is the reason that we were able to commence operations on August 18, 2020.

TCEQ personnel have acknowledged that the letter of February 28, 2020, contained incorrect information authorizing construction of the RO facility, when they intended to indicate approval for operation. Because of the Covid 19 pandemic, as I am sure you are aware, communications on some of these types of matters has been difficult. However, we were able to get it resolved and commenced operations.

As you and I had discussed, the August 27, 2020, laboratory tests for fluoride conducted by Environmental Laboratory Services from the Lower Colorado River Authority for the TCEQ reflected a fluoride level of 2.74 mg/L. However, it is my understanding that since we do not have four quarterly reports reflecting an average fluoride level of less than 4.0 mg/L, we need to ask for an extension for compliance with the sections set forth above and that we need additional time for additional tests to show we have returned to compliance with the MCL of Fluoride based on a running annual average.

We are still fine tuning the operation of our RO system and expect to be able to further lower the fluoride level by the end of the fourth quarter in 2020.

Based upon the foregoing, and since we are now furnishing to our customers water with a fluoride mg/L level below 4.0, EWSCO hereby requests another extension of the Agreed Order so that the fourth quarter water test results may be obtained which we believe will show an annual average of below 4.0 mg/L fluoride level in our water.

Because it is uncertain when we will receive the test results from that test from the independent laboratory, we are requesting an extension until June 20, 2021, to ensure that we have adequate time to obtain the results and so that the results can be entered into the records at the TCEQ to show that we are in compliance. We believe that we will be able to demonstrate compliance in less than 365 days, but want to have adequate time to receive not only the fourth quarter 2020 laboratory report, but the first quarter of 2021 in case it was needed.

We realize that it has been a very long road to get to this point. EWSCO has made a substantial investment in additional storage tanks, a new RO system, and other improvements to its system to achieve operation in compliance with the applicable rules and regulations.

Your consideration of this request for extension is appreciated. Please advise us if you have any questions or require additional information.

Very truly yours,

Ralph Wm. Richards
Attorney Esperanza Water Service Co., Inc.

RWR/vr
Enclosures
pc: Public Drinking Water Section
Water Supply Division, MC 155
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Mr. Abel Garcia, P.E.
CEA Group
Uptown Centre
813 N. Kansas Street, Suite 300
El Paso, Texas 79902

Irene Epperson, Vice President
Esperanza Water Service Company, Inc.

2/25/19

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 27, 2019

CERTIFIED MAIL #7009 2820 0000 6947 5443
RETURN RECEIPT REQUESTED

Mr. Ralph Richards, Attorney
Esperanza Water Service Company, Inc.
1150 Southview Dr.
El Paso, TX 79928

Re: Notice of Violation for Compliance Evaluation Investigation at:
Esperanza Water Service, Exit 78 I-10 East, McNary, Hudspeth County
Regulated Entity No.: RN101207371, TCEQ ID No.: 1150010

Dear Mr. Richards:

On January 24, 2019, and February 4, 2019, Mr. Arturo Leyva Jr. of the Texas Commission on Environmental Quality (TCEQ) El Paso 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. In addition, certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by March 29, 2019, a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved for each of the outstanding alleged violations.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules* (GI 032) are located on our agency website at http://www.tceq.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 El Paso Region Office at (915) 834-4949 or the Central Office Publications Ordering Team at (512) 239-0028.

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

If you or members of your staff have any questions, please feel free to contact Mr. Leyva in the El Paso Region Office at (915) 834-4975.

Sincerely,

Kent Waggoner

Kent Waggoner, P.G.
Section Manager
El Paso Region Office
Texas Commission on Environmental Quality

KW/al

cc: Ms. Lexa Dean Jobe, President
Esperanza Water Service Company, Inc.
1150 Southview Dr.
El Paso, TX 79928

Enclosure: Summary of Investigation Findings

Summary of Investigation Findings

ESPERANZA WATER SERVICE **Investigation # 1540275**

Investigation Date: 01/24/2019

, HUDSPETH COUNTY,

Additional ID(s): 1150010

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

Track No: 706588 **Compliance Due Date: 03/29/2019**

30 TAC Chapter 290.39(j)(1)(A)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to notify the executive director prior to making any significant change or addition to a public water supply system's production, treatment, storage, or pressure maintenance capacity. Specifically, the regulated entity has constructed 5-21,000 gallon ground storage tanks which are currently online and operational. Placards on 1 of the ground storage tanks indicates it was constructed in 2010 and placards on 4 of the ground storage tanks indicate they were constructed in 2013.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that documentation demonstrating that as-built plans for the storage facilities have been submitted to the TCEQ Plan Review Team (PRT), MC 159, P.O. Box 13087, Austin, TX 78711-3087 and that approval has been granted. The entity must ensure that the as-built plans are submitted by a licensed professional engineer. For further assistance regarding submittal contact the TCEQ PRT at (512) 239-4691.

Track No: 706590 **Compliance Due Date: 03/29/2019**

30 TAC Chapter 290.42(e)(2)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to disinfect the groundwater prior to storage. The point of application must be ahead of the water storage tank(s) if storage is provided prior to distribution. Permission to use alternate disinfectant application points must be obtained in writing from the executive director.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that the disinfection application point is located prior to storage or that permission to use an alternate disinfection point has been obtained in writing from the TCEQ. For further assistance regarding submittal of documentation for the request for exception contact the TCEQ Technical Review and Oversight Team (TROT) at (512) 239-4691, MC 159, P.O. Box 13087, Austin, TX 78711-3087.

Track No: 706591 **Compliance Due Date: 03/29/2019**

30 TAC Chapter 290.45(b)(1)(D)(iii)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to provide the water system with two or more pumps that have a total capacity of 2.0 gpm per connection or that have a total capacity of at least 1,000 gpm and the ability to meet peak hourly demands with the largest pump out of service, whichever is less, at each pump station or pressure plane. For systems which provide an elevated storage capacity of 200 gallons per connection, two service pumps with a minimum combined capacity of 0.6 gpm per connection are required at each pump station or pressure plane. If only wells and elevated

storage are provided, service pumps are not required.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that this minimum capacity requirement has been met or that an exception to this regulation has been granted by the TCEQ. The regulated entity shall provide documentation to the TCEQ El Paso Region Office which indicates that the exception to this regulation has been approved by the TCEQ Technical Review and Oversight Team (TROT). For further assistance regarding submittal of documentation for the request for exception contact the TCEQ TROT at (512) 239-4691, MC 159, P.O. Box 13087, Austin, TX 78711-3087.

Track No: 706594 **Compliance Due Date: 03/29/2019**
30 TAC Chapter 290.45(b)(1)(D)(iv)

Alleged Violation:
Investigation: 1540275 Comment Date: 02/20/2019

Failure to provide the water system with an elevated storage capacity of 100 gallons per connection or a pressure tank capacity of 20 gallons per connection. If pressure tanks are used, a maximum capacity of 30,000 gallons is sufficient for up to 2,500 connections. An elevated storage capacity of 100 gallons per connection is required for systems with more than 2,500 connections. Alternate methods of pressure maintenance may be proposed and will be approved if the criteria contained in subsection (g)(5) of this section are met.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that this minimum capacity requirement has been met or that an exception to this regulation has been granted by the TCEQ. The regulated entity shall provide documentation to the TCEQ El Paso Region Office which indicates that the exception to this regulation has been approved by the TCEQ Technical Review and Oversight Team (TROT). For further assistance regarding submittal of documentation for the request for exception contact the TCEQ TROT at (512) 239-4691, MC 159, P.O. Box 13087, Austin, TX 78711-3087.

Track No: 706595 **Compliance Due Date: 03/29/2019**
30 TAC Chapter 290.45(e)(1)

Alleged Violation:
Investigation: 1540275 Comment Date: 02/20/2019

Failure to provide a copy of the contractual obligations with the Traveling Tiger PWS which describes that they are providing enough production, treatment, and service pumping capacity to meet or exceed the combined maximum daily commitments.

Recommended Corrective Action: The regulated entity shall provide the TCEQ El Paso Region Office with a copy of the wholesale contract with the Traveling Tiger PWS which describes that they are providing enough production, treatment, and service pumping capacity to meet or exceed the combined maximum daily commitments.

Track No: 706596 **Compliance Due Date: 03/29/2019**
30 TAC Chapter 290.46(f)(3)(A)(ii)(II)

Alleged Violation:
Investigation: 1540275 Comment Date: 02/20/2019

Failure to maintain a record of the amount of water distributed each day.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that a record of the amount of water distributed each day is being maintained.

Track No: 706599 **Compliance Due Date: 03/29/2019**
30 TAC Chapter 290.121(a)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to maintain and provide an up to date copy of a chemical and microbiological monitoring plan.

Recommended Corrective Action: The regulated entity shall submit a copy of the chemical and microbiological monitoring plan to the TCEQ El Paso Region Office.

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to maintain and provide an up to date copy of a chemical and microbiological monitoring plan.

Recommended Corrective Action: The regulated entity shall submit a copy of the chemical and microbiological monitoring plan to the TCEQ El Paso Region Office.

Daily of residual Test -
amount of chem added -

ESPERANZA WATER SERVICE COMPANY, INC.
1150 Southview Drive
El Paso, TX 79928
(915) 298-9900 [Office]
(915) 298-9992 [Fax]

March 29, 2019

Mr. Kent Waggoner, P.G.
Section Manager
El Paso Region Office
Texas Commission on Environmental Quality
401 E. Franklin Avenue, Suite 560
El Paso, Texas 79901-1212

Re: Notice of Violation for Compliance Evaluation Investigation at:
Esperanza Water Service, Exit 78 I-10 East, McNary, Hudspeth County
Regulated Entity No. RN101207371, TCEQ ID No. 1150010

Dear Mr. Waggoner:

In response to your letter dated February 27, 2019, the following is Esperanza Water Service Company, Inc.'s ("Esperanza Water") response to the outstanding alleged violations. For purposes of identification, we will respond to them by "Track No."

We very much appreciate the guidance and direction that Mr. Leyva gave to our people during the inspection and the post-inspection meeting.

1. **Response to Track No. 706588. 30 TAC Chapter 290.39(j)(1)(A).** It is clear that the as-built plans do not match what was actually constructed on the ground. Approval was obtained in 2013 for the changes being made to the system and in fact, I believe that a final post-construction inspection may have been conducted. Actually in 2013, Esperanza Water put in place six new 21,000 gallon ground storage tanks with one located in the immediate vicinity of the wells and five located in the approximate mid-point of the pipeline going from the well sites to distribution point where the water lines go to the east and the west to service the customers. This distribution point is located at what is known as McNary, Texas, north of Texas 20 in the immediate vicinity where the old RO treatment plant was located and where the Esperanza Water office are located.

   I bring to your attention that Esperanza Water in dealing with the issues that have developed since 2013 regarding elevated fluoride rates in the water have in 2018 obtained approval from the TCEQ to make additional changes to the system and to add a reverse osmosis treatment system for purposes of removing fluoride and to add three additional storage tanks.

Our corrective action will include reference to those activities. Esperanza Water has employed CEA Group, who are licensed professional engineers, as its design and consulting engineers. They were Esperanza Water's engineers for projects in 2012 and 2013 and are Esperanza Water's consulting engineers for the present project regarding the reverse osmosis system for fluoride removal.

Esperanza Water has requested CEA Group to provide as-built plans for the storage facilities to be submitted to the TCEQ Plan Review Team. We have requested that they include in the as-built plans the three additional water storage tanks and the RO system which were approved by the TCEQ late last year so that the plans will reflect the true as-built status of Esperanza Water's storage facilities as of the date they are submitted.

CEA Group is currently working on this but we ask for an extension of time to submit the complete as-built plans as requested. We would ask for up to 180 days to complete this.

2. **Response to Track No. 706590. 30 TAC Chapter 290.42(e)(2).** Because of the design of Esperanza Water's systems, its management and its consulting engineers believe that the actual best point for application to disinfect ground water would be at the distribution regulator room located at the end of the six inch transmission line, rather than at the storage tanks which are located approximately five miles north of the regulator room. This system distributes its water based upon gravity pressures created by the differential in elevation between the location of the storage tanks and the regulator room where the distribution starts. Because of the difference in elevation, a pressure reduction valve is required at the regulator room to reduce the pressure to an appropriate amount going to the customers. At present and since 2014, the distribution point of application of ground water disinfectant has been at the regulator room rather than ahead of the water storage tanks.

   Esperanza Water has employed and requested CEA Group to make application in writing to the Executive Director for approval of use of an alternate disinfection point. Esperanza Water requests an extension of time of up to 180 days so that its consulting engineers may prepare and complete the submittal to the Executive Director of this request for an exemption to the provisions of 30 TAC Chapter 290.42(e)(2).

3. **Response to Track No. 706591. 30 TAC Chapter 290.45(b)(1)(D)(III).** As indicated in prior response, this system is somewhat unique. The production wells are located approximately nine miles from a regulator room near Esperanza Water's offices just north of Texas 20 at McNary, Texas. The water arrives at the regulator room through a six inch transmission line. The construction of the system was that there was one tank placed at the point where the two wells are located. Approximately 4.5 miles south of the wells, five 21,000 gallon storage tanks were put in place as a break point to reduce the pressure on the system because if the transmission line had gone straight from the wells to the regulator room, the pressure would have been too great for the system line design.

Placing the storage tanks at the middle point greatly reduces the pressure, but still a pressure reduction valve has to be used at the regulator room. The elevation at the beginning point at the well tank is 4,032 ft. The elevation at the storage tanks which are approximately 3.2 mile south of the well storage tank is 3,818 ft. and the elevation at the regulator room is 3,581 ft. The regulator room is approximately 29,400 ft. south of the storage tanks. By reason of the fact that the storage tanks are 238 ft. higher in elevation than the regulator room, pumping is not required in order to maintain distribution pressure. The as-built plans will clearly show this information.

Esperanza Water has requested CEA Group to prepare documentation to be submitted to the TCEQ asking for an exemption from 30 TAC Chapter 290.45(b)(1)(D)(III). An extension of time of up to 180 days is requested in order that this exemption application may be submitted and processed.

4. **Response to Track No. 706594. 30 TAC Chapter 290.45(b)(1)(D)(iv).** It is the position of Esperanza Water that the five existing (soon to be eight) storage tanks with the capacity of over 160,000 gallons are in effect elevated storage tanks and are in effect producing the same result as elevated storage tanks, since they are 238 ft. in elevation higher than the regulator room where distribution to customers commences.

   Esperanza Water does not believe that it is required to have pressure tanks or pressure pumps as will be demonstrated by the as-built plans. Esperanza Water has employed CEA Group to prepare a request for an exemption to this regulation. An extension of time of up to 180 days is requested so that the documentation may be properly submitted to the TCEQ and an exemption obtained.

5. **Response to Track No. 706595. 30 TAC Chapter 290.45(e)(1).** Esperanza Water provides to Traveling Tiger one ¾ inch meter and has a "Bulk Sales Agreement for Sale of Water" with Traveling Tiger Centers, LLC that was executed on October 11, 2013. Esperanza Water was under the belief that Traveling Tiger Center ("TTC") was not selling water to any third parties, but was only providing water for its truck stop facility, but was aware that at that truck stop facility it did have a restaurant and provided some service to the public. The initial Bulk Sales Agreement limited Traveling Tiger to 10,000 gallons per month until such time as Esperanza Water completed its new wells, which were completed and put online in February 2014. Since then, Esperanza Water has not limited TTC to the amount of water it can receive each month, except that it is limited by the capacity of their ¾ inch water meter. A copy of the Bulk Sales Agreement for Sale of Water executed on October 11, 2013, is attached, together with the Customer Service Contract executed by Esperanza Water and TTC. The Contract is Esperanza Water's Spanish version, since that is what the customer preferred with a copy of the English version also attached.

   TTC has informed Esperanza Water that the TCEQ is taking the position that it is a public water system and that it has a registration pending with the TCEQ with regard to that matter. Esperanza Water is also aware of the Public Utility Commission

Regulation 24.15 that was adopted on September 1, 2014. Esperanza Water has determined that it is now appropriate to update its Contract with TTC and pursuant to the Public Utility Commission Regulations submit a certified copy of that Contract to the Public Utility Commission.

Esperanza Water requests an extension of time in order to complete and get a new updated contract with Traveling Tiger Center, LLC and to get a copy of that new contract filed with the Texas Public Utility Commission as per its regulation 24.15. A copy of that will be furnished to the TCEQ once it is filed with the Commission. Esperanza Water requests an extension of time of up to 180 days to complete these tasks.

6. **Response to Track No. 706596. 30 TAC Chapter 290.46(f)(3)(A)(II)(II).** Esperanza Water was previously reading the master at its regulator room which records the total amount of water going out to its customers twice a week and maintaining a record of it. In order to comply with 30 TAC Chapter 290.46(f)(3)(A)(II)(II), Esperanza Water has now changed its procedure from recording these readings twice a week to recording them daily. A copy of the form for the last month is attached. In order to comply with 30 TAC Chapter 290.46(f)(3)(A)(II)(II) and 30 TAC Chapter 290.46(f)(3)(A)(II)(IV), Esperanza Water has modified its form and will immediately start using the attached form.

7. **Response to Track No. 706599. 30 TAC Chapter 290.121(a).** Esperanza Water has always had a Chemical and Microbial Monitoring Plan. We are not sure if the most current version of such plan was shown to the inspection at the most recent inspection. The plans that Esperanza Water has been operating under was updated February 29, 2016 and 2015. Esperanza Water has combined the Monitoring Operations and Maintenance Plans into one document and a draft copy of the revised Public Water Supply Monitoring, Operations, and Maintenance Manual and the Public Water System Revised Total Coliform Rule Sample Siting Plan are attached for your review. They will be finalized as soon as we receive any comments from the TCEQ.

If you have any questions, please do not hesitate to contact me or Hector Paquian or Abel Garcia at CEA Group.

Very truly yours,

Ralph Wm. Richards
Attorney at Law

RWR/vr
Enclosures

pc: Mr. Hector Paquian
Mr. Victor Gonzalez
Mr. Abel Garcia

BULK SALES AGREEMENT FOR SALE OF WATER

THIS AGREEMENT is made by and between Esperanza Water Service Company, Inc., whose address is 1150 Southview Drive, El Paso, Texas 79928 (hereinafter referred to as "EWS") and Traveling Tiger Centers, L.L.C., whose address is P.O. Box 220688, El Paso, Texas 79913 (hereinafter referred to as "TTC").

WHEREAS, EWS is a public water utility (PWU) serving a defined service area in Hudspeth County, Texas;

WHEREAS, TTC has a facility in Hudspeth County, Texas, outside of the permitted service area of EWS as defined by EWS's Certificate of Convenience and Necessity (CCN) issued by the Texas Commission on Environmental Quality;

WHEREAS, TTC is also classified as a public water utility by the TCEQ because of the fact that it has the potential to serve more than 25 individuals at its facility in any one day;

WHEREAS, TTC desires to buy bulk water from EWS; and

WHEREAS, TTC has a location for a meter on 6830 FM192 within EWS's defined service area whereby it would take delivery of water and pump it through a pipeline owned by TTC to its facility on IH-10 at Exit 87, which the parties acknowledge to be outside the service area defined by the CCN for EWS.

NOW, THEREFORE, the parties do hereby agree as follows:

1. EWS will sell water to TTC pursuant to the terms and limitations of this Agreement commencing October 15, 2013.

2. TTC acknowledges it has been advised that EWS is in the process of drilling new wells for its water supply, but does not yet have approval from the TCEQ for the use of such wells for supplying its customers. TTC acknowledges that until such new wells are completed and placed in service and approved by the TCEQ for use by a PWU that it will be limited to purchasing no more than 10,000 gallons per month under this Agreement.

3. TTC will take delivery of such water at a meter located at 6830 FM192.

4. TTC will pay to EWS a meter tap fee of $200.00, plus $50.00 customer deposit, for a total fee of $250.00 for a ¾" meter.

5. TTC will be responsible for all piping and plumbing from the customer side of the meter necessary for delivery of water to TTC's system. TTC has represented that it will take delivery of such water into a small storage tank from which it will be responsible for pumping the water through its own pipeline from the storage tank located on 6830 FM192 to the TTC facility located at Exit 87 on IH-10 in Hudspeth County, Texas. TTC shall be solely responsible for the cost of installation and operation of its system to take water from the meter on 6830 FM192.

6. TTC and Eugenio Armendariz, whose address is 413 Mesilla Vista Lane, El Paso, Texas 79912, agree that Eugenio Armendariz will personally guarantee the payment of the account of TTC to EWS for water purchased by TTC from EWS pursuant to this Agreement.

7. TTC has represented that an air gap back flow prevention system is being used on its tank where it will take delivery of the water for pumping from 6830 FM192 to its facility. TTC agrees that if it ceases to use an air gap system that it will, at its expense, install a reduced pressure zone back flow prevention device as approved by EWS which will be properly inspected and certified by a licensed plumber at least annually.

8. The price for such water will be billed at the same rate as EWS's approved tariff for a ¾" meter, which is a minimum monthly fee of $46.00 per month which will include 2,000 gallons of water. All water above 2,000 gallons will be billed at the rate of $6.06 per 1,000 gallons up to a total of 20,000 gallons per month. Any excess over 20,000 gallons per month will be billed at $6.60 per 1,000 gallons.

9. Pursuant to an agreement with Hudspeth County, EWS is responsible for collecting a monthly trash collection fee imposed by Hudspeth County. Unless TTC furnishes to EWS proof that it is paying its trash collection fee directly to Hudspeth County or is otherwise exempt from a trash collection fee, $18.00 per month will be added to TTC's water bill from EWS, pursuant to EWS's agreement with Hudspeth County for the trash collection fee.

10. A copy of EWS' Customer Service Agreement is attached hereto as Exhibit "A" and incorporated herein by reference. TTC and EWS acknowledge that TTC is a bulk purchaser of water and not a residential customer of EWS, but do agree that the terms and conditions, including the restrictions set forth in such Customer Service Agreement shall be applicable to EWS selling water to TTC.

Executed this 11 day of October, 2013.

Traveling Tiger Centers, L.L.C.

By: _____

Ron Armendariz

Esperanza Water Service Company, Inc.

By: _____

Hector Pagan

Esperanza Water Service Co., Inc.

Contrato de Servicio al Cliente

Fecha: 7/29/2013

Nombre(s) del cliente: Eugenio Hernandez / Traveling Tiger Centers L.L.C.

Direccion Fisica 36826 FM 34 Esperanza Tx.

Dirección postal, si es diferente: Po. Box 220688 El Paso Tx. 79913

Teléfono: (915) 241-5033 / (915) 208-3373

I. **Propósito:** Esperanza Water Service Co., Inc. (EWS) es responsable de proteger el suministro de agua potable de contaminantes o polución que pudieran resultar de la construcción o configuración incorrecta del sistema privado de distribución de agua. El propósito de este contrato de servicio es notificar a cada cliente acerca de las restricciones que existen para proporcionar esta protección. EWS vigila el cumplimiento de estas restricciones para asegurar la salud y el bienestar público. Cada cliente debe firmar este contrato antes de que EWS inicie el servicio. Además, cuando el servicio a una conexión existente se suspenda o cancele, la compañía de agua (EWS) no restablecerá el servicio a menos que tenga en su poder una copia firmada de este contrato.

II. **Restricciones:** Las prácticas inaceptables a continuación están prohibidas por los Reglamentos Estatales.

A. No se permite ninguna conexión directa entre el suministro público de agua potable y una fuente potencial de contaminación. Las fuentes potenciales de contaminación deberán estar aisladas del sistema público de agua por medio de un hueco de aire o un sistema apropiado de prevención de contraflujo.

B. No se permite ninguna interconexión entre el sistema público de agua y un sistema privado de agua. Estos riesgos potenciales al suministro público de agua deberán eliminarse en la conexión de servicio instalando un hueco de aire o un dispositivo de prevención de contraflujo de zona de presión reducida.

C. No se permite ninguna conexión que permita que el agua regrese al sistema público de agua potable.

D. No se deberá usar tubería o conectadores que contengan más de 8.0% de plomo para instalar o reparar la plomería en ninguna conexión destinada a uso humano.

Esperanza Water Service Co., Inc.
1150 Southview Drive • El Paso, Texas 79928
Phone: (915) 298-9900 • Fax: (915) 298-9990

Customer Service Agreement

Name of Customer: _____

Physical Address: _____

Mailing Address, if different: _____

Phone No: _____

I. **Purpose:** The Esperanza Water Service Co., Inc. (EWS) is responsible for protecting the drinking water supply from contamination or pollution which could result from improper private water distribution system construction or configuration. The purpose of this service agreement is to notify each customer of the restrictions which are in place to provide this protection. The utility enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before EWS will begin service. In addition, when service to an existing connection has been suspended or terminated, the water system will not re-establish service unless it has a signed copy of this agreement. _____

II. **Restrictions:** The following unacceptable practices are prohibited by State Regulations.

A. No direct connection between the public drinking water supply and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by an air-gap or appropriate backflow prevention. _____

B. No cross connection between the public water system and a private water system is permitted. These potential threats to the public drinking water supply shall be eliminated at the service connection by the installation of an air-gap or a reduced pressure zone backflow prevention device. _____

C. No connection which allows water to be returned to the public drinking water is permitted. _____

D. No pipe or pipe fitting which contains more than 8.0% lead may be used for the installation or repair of plumbing at any connection which provides for human use. _____

E. No solder or flux which contains more than 0.2% lead can be used for the installation or repair of plumbing at any connection which provides water for human use. _____

III. **Service Agreement:** Customer hereby agrees to the following terms and conditions of service with EWS regarding water utility service to be provided to customer by EWS.

A. This Agreement will remain in effect for so long as customer and/or the premises covered by this Agreement is connected to EWS water utility system and EWS will maintain a copy of this Agreement in its customer files for this account.

B. On all new service connections and at the discretion of EWS on all reconnections, the customer shall, at its expense, have conducted within fourteen (14) days after their connection is made, an inspection for any possible cross-connections or other potential contaminations hazards. This inspection shall be performed by an independent qualified inspector and the customer shall be responsible for paying the inspector's fee for the inspection and providing a certificate to EWS showing that the inspection has been completed. If customer fails within fourteen (14) days after the connection is made to obtain the inspection, then EWS will have the cross-connection inspection performed and will bill the customer for it.

The customer further agrees to allow his or her property to be inspected for possible cross-connections and other potential hazards by EWS or its designated agent whenever there is a reason to believe that a cross-connection or other potential contaminations hazard exists; or after any major changes to any private water distribution facilities. These inspections shall be conducted during EWS normal business hours and shall be conducted by EWS personnel or its designated agent.

C. EWS shall notify the customer in writing of any cross-connection or other potential contamination hazard which has been identified during the initial inspection or periodic re-inspection.

D. The customer shall immediately remove or adequate isolate any potential cross-connection or other potential contamination hazards to prevent any contamination of EWS system or water from any condition on the customer's premises. If customer fails to comply, their service will be terminated.

E. All commercial customers and any customer having a water meter one inch (1") in size or larger shall have a backflow preventer installed on the customer's side of the meter prior to any other connection. The customer shall, at its expense, pay for the proper installation and testing and maintenance of any backflow prevention device required pursuant to the terms hereof or otherwise required by EWS. Copies of all tests and maintenance records concerning such backflow preventers shall be provided by the customer to EWS. Such backflow preventer shall be installed and shall be inspected and certified annually by a licensed installer at the customer's expense. If the customer fails to provide the annual inspection certificate regarding such backflow preventer to EWS, then EWS shall have the right to terminate the customer's water utility service until such time as the backflow preventer has been properly inspected and certified.

F. The customer shall agrees to pay their monthly water bill on or before the due date of the 18th of each month or they shall be responsible for paying a $5.00 service fee for any monthly water bill paid after the 18th of the month. _____

G. The cut off date for non-payment will be the 1st day of each month or the first business day thereafter if the 1st falls on a holiday or on Saturday or Sunday. **There shall be a reconnection fee of $25.00 if water is suspended for any reason.** _____

H. There will be an **$18.00 garbage collection fee for Hudspeth County** added to your water bill, which garbage collection fee, less collection cost, will be remitted by EWS to Hudspeth County. _____

IV. **Enforcement:** If the customer fails to comply with the terms of the **Service Agreement, Esperanza Water Service, Co. Inc (EWS)** at its option, terminate service or the service connection. Any expenses with the enforcement of this agreement shall be billed to the customer. _____

Customer's Signature: _____ Date: _____

Driver License Number: _____ State: _____

$25.00 Connection
$50.00 Deposit

MASTER METER READINGS

Regular Master Meter

Month MARCH APRIL
Year 2019

MARCH

Day of the Month			Gallons Per Day
1	224570260	224680992	110732
2	224680992	224801032	120040
3	224801032	224913830	112798
4	224913830	225017272	103442
5	225017272	225123020	105748
6	225123020	225235818	112798
7	225235818	225373950	138132
8	225373950	225449600	75650
9	225449600	225579430	129830
10	225579430	225672924	93494
11	225672924	225780455	107531
12	225780455	225879732	99277
13	225879732	225991215	111483
14	225991215	226104412	113197
15	226104412	226209032	104620
16	226209032	226314360	105328
17	226314360	226426449	112089
18	226426449	226537278	110829
19	226537278	226657869	120591
20	226657869	226770570	112701
21	226770570	226888778	118208
22	226888778	226999277	110499
23	226999277	227117981	118704
24	227117981	227216267	98286
25	227216267	227336920	120653
26	227336920	227446792	109872
27	227446792	227564973	118181
28			
29			
30			
31			
Total Monthly			
Daily Average			
Daily Max			

APRIL

Day of the Month			Gallons Per Day
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
Total Monthly			
Daily Average			
Daily Max			

PUBLIC WATER SUPPLY MONITORING, OPERATIONS & MAINTENANCE MANUAL

for

ESPERANZA WATER SERVICE COMPANY, INC.

HUDSPETH COUNTY, TEXAS

1. FACILITY DESCRIPTION.

Esperanza Water Service Company, Inc. (hereinafter referred to as "EWS") is a privately owned water utility company doing business in Hudspeth County, Texas. Its Certificate of Convenience and Necessity (CCN) authorizes it to serve an area in Hudspeth County, south of Interstate Highway 10 and proceeding east from Fort Hancock, Texas, approximately 15 miles down FM Road 192. The southern line of the company service area is in the U.S.A./Mexico border.

The following is a summary of the operations of EWS:

1. EWS presently has 279 customers, which include 275 residential customers with ¾" meters and four commercial meters of which three of those meters are ¾" meters and one commercial customer with a 2" meter.
2. EWS's distribution system includes:
   (a) Approximately 78 miles of distribution lines.
   (b) Two new 615 ft. supply wells, together with 8.69 miles of 6 inch HDPE pipe and six new 21,000 gallon fiber glass storage tanks, together with related pumping system, all which was completed and put online in February 18, 2014. Three additional 21,000 gallon fiber glass storage tanks are being added in 2019.
   (c) An RO system for treating and blending of water for purposes of removing fluoride from the water is being installed in Spring 2019.
   (d) Related to the RO system, included is a TCEQ reject water evaporation pond system for RO discharge, which construction was completed in October 2012. This system is composed of two clay-lined ponds with a total storage capacity of 10.8 acre ft. with security fencing as required by TCEQ. These ponds were constructed pursuant to a permit from the TCEQ in accordance with TCEQ specifications. These ponds have not been used to receive RO reject water since February 2014. EWS has from time to time pumped water into these pumps in order to maintain the clay and it is anticipated that these ponds will be used when the new RO system is completed in 2019.

2. START-UP & OPERATING PROCEDURES.

Daily and Weekly:

1. Every morning a check on the chlorine residuals is made. The checks are made at different locations each day.
2. Daily water pressure is confirmed at the regulator room and the master meter reading is taken and recorded to show the total amount of water distributed in the prior 24 hours to the customers. Chlorinator injector is checked to confirm it is working.
3. Personnel then check the main distribution lines for any signs of leaks.
4. Personnel then patrol the transmission line from the wells to the regulator room and check the storage tanks and the fences around the storage tanks, and the fences around the well sites and any required repairs are completed.
5. A general inspection of system equipment is performed multiple times per week and any repairs or replacements are made as necessary.
6. Daily logs are kept on master meter readings, chlorine residuals, water usage, mileage, and generator use. A daily log is kept on chemicals used.
7. A daily log is also maintained regarding customer service inspections.
8. Records are maintained on low water pressure readings, if any.
9. A system is used at the well sites that sends a text message to operating personnel on a regular basis confirming the system is operational; giving notice if water levels are low in the storage tanks; and giving notice if the generator fails to start, so that immediate follow-up can be made to determine whether there is a problem. Generator controls are tied to liquid level controls in a primary distribution tank at the well site and if those controls send a signal which should start the generator and it does not start, then a text message is sent to operating personnel.

Weekly:

1. Offices (housekeeping).
2. Employee time sheets are sent out weekly and any logs of customer complaints.
3. Standby Generator tested weekly.

Bi-Weekly:

1. Well pumps are checked bi-weekly.
2. Alternating well pumps every two weeks. Each well will provide more than sufficient water for the operation of the system. To maintain well equipment, the present practice is to alternate pumping the wells every two weeks so that one well is used for two weeks and then the other well is used for two weeks.

3. Reject ponds are checked several times per week. Fences around the ponds are maintained and the ponds are kept clean and an inspection is done to determine if water needs to be added to maintain the clay.

Monthly:

1. Water samples are taken for monthly testing for coliform and fluoride, including well samples as required. Laboratory reports on water samples are received by e-mail and are immediately reviewed and results are made available to Victor Gonzalez, Hector Paquian, and EWS Management. If any report indicates that action is needed, that action becomes the highest priority and action will immediately be taken.
2. Customers' meters are read for billing purposes.
3. Supply and parts inventory is reviewed and necessary parts are ordered to replenish inventory.
4. Customer service inspections are completed as needed.
5. Dead end flushings are completed.
6. Generator maintenance is completed as needed.
7. Vehicle maintenance is completed as needed.
8. Water bill payments are received.

Annually:

Third party calibration of the water meter and primary distribution line meters. Individual customer meters are not calibrated annually. There is a meter replacement program in which meters more than seven years old are replaced. In 2017 and 2018, a total of 180 customer meters were replaced.

3. ROUTINE MAINTENANCE.

Routine maintenance consists of daily checks on chlorine residuals, master meter flow, water pressure and a visual check for leaks on the main water distribution line. In addition, a daily check is performed on the storage tanks and perimeter fencing for any possible breaches to the fencing or to see if any storage tanks are overflowing or in need of maintenance. On a weekly basis, a check is conducted on the generators to make sure they are both in good working condition. On a bi-weekly basis the two well pumps are alternated so they are maintained in good working condition. The facility grounds are checked on a daily basis for cleanliness. Company vehicles and heavy equipment are also inspected and checked on a daily basis for any signs of malfunctions or leaks. In the event there is a malfunction the equipment or vehicle is sent in for repairs.

The following equipment suppliers are called in from time to time to supply parts or carry out maintenance and inspections:

Sierra Machinery *(generator repairs/servicing)*
939 Hawkins Blvd.
El Paso, Texas 79915
(915) 772-0613

Burdick & Burdick *(fittings, pumps, misc. equipment and supplies)*
1701 Myrtle Avenue
El Paso, Texas 79901
(915) 533-9771

Clowe & Cowan *(pipe supplies, fittings, misc. equipment and supplies)*
11221 Rojas Drive
El Paso, Texas 79925
(915) 593-8833

Secor *(*pipe supplies, fittings, misc. equipment and supplies)
705 Rankin Rd. NE
Albuquerque, NM 87107
(505) 341-0777

PureOps *(3rd party meter calibrations)*
748 West Palms
Las Cruces, NM 88007
(575) 523-1482

4. **RECORDS & REPORTING.**

A daily log is kept on chlorine residuals as well as master meter readings. In the event of a water leak an entry is made on the day of the event and it becomes part of our monthly report. Daily logs are also kept for generator use/run –time as well as water use and mileage. A daily log is also kept on chemicals used, as well as customer service inspections.

Mr. Victor Gonzalez and Mr. Hector Paquian are both TCEQ License "C" holders and maintain their continuing education on an annual basis. In the event of an emergency condition, a written report/log is created to document the situation and repair. All TCEQ correspondence is maintained on site as well as at 1150 Southview.

5. SAMPLING & ANALYSIS.

1. Water is tested monthly for coliform and fluoride.
2. Chlorinator injector checked daily.
3. See attached Public Water System Revised Total Coliform Rule Sample Siting Plan. Pursuant to this plan, water samples are collected once a month from each well. The location and method is that samples are collected at the raw water sampling taps at each well. Coliform samples are sent to City of El Paso Department of Public Health Potable Water Laboratory. Samples are delivered to the Department of Public Health at 5115 El Paso Drive, El Paso, Texas. Monthly reports of the results of the water sampling are received by e-mail.
4. In addition, water samples are submitted monthly from each well to the El Paso Water Utility International Water Quality Laboratory at 4100-L Delta Drive, El Paso, Texas, for testing in accordance with EPA rules to determine the fluoride level/content of the water.
5. In addition, annual testing is completed by LCRA Environmental Laboratory Services of Austin, Texas, pursuant to its contract with the TCEQ to confirm results conforming to the most current NELAP Standards.
6. In addition, every three years lead/copper sampling is completed in Form 20467 and filed with the TCEQ.

MONITORING PLAN:

Well Water Sampling (EWS has two operating wells):

1. Frequency of well water coliform samples are collected once a month from each well.
2. Coliform samples are also collected from the distribution system.

COLIFORM SAMPLING SITES

Site No.	Address or Location	Months Sampled for Coliform
1	Campolla, Esperanza, 102 4th St.	Jan. & April
2	Sandoval, Jose G, 261 Mason St.	July & Oct.
3	Munoz, Fermin & Eva, 364 Apache Rd.	Feb. & May
4	Concha, Antonio Jr., 262 5th St.	Aug. & Nov.
5	Saldana, J. 5th St.	March & Sept.
6	Bean, Jim "A" House, 2217 FM	June & Dec.

3. Coliform are taken monthly as per the schedule above.
4. Location samples are cycled as shown on the schedule above.
5. Coliform samples are sent to City of El Paso Department of Public Health Potable Water Laboratory at 5115 El Paso Drive, El Paso, Texas.

Disinfectant Residual Sampling:

1. Disinfectant residual sampling is done daily at different locations.
2. Disinfectant residual sampling is measured using a Hach Pocket Colorimeter II Chlorine Test Kit.
3. The system is in compliance with the minimum residual requirement of no greater than 0.2 mg/l.
4. The chlorine disinfectant system is located in the regulator room at the end of the transmission pipeline from the wells near the EWS offices north of Texas 20.
5. The injector pump for the chlorine is checked daily and a record is kept of the amount of disinfectant product used on a daily basis.

Recordkeeping and Reporting:

1. Copies of the Chain of Evidence of delivery of samples to laboratories are maintained in a separate notebook at the EWS offices by the operations personnel.
2. Daily record of disinfectant residual sampling is maintained and kept at the EWS offices by the operations personnel.
3. Laboratory results for water sampling are kept digitally and a hard copy is printed and kept at the EWS operations office.
4. Other water testing results when received are also maintained in the notebook at the EWS operations office.
5. Test results from backflow preventers are maintained at the EWS operations office.
6. A chemical log of disinfectant dosage used is maintained at the EWS operations office.
7. Disinfectant level quarterly operations report using TCEQ Form 20067 is filed quarterly based upon the daily record of disinfectant residual sampling described in 2 above.
8. Annual Drinking Water Quality Report is filed with the TCEQ and the Consumer Confidence Report is provided to each meter customer.
9. Every three years, the water sampling and testing is done for lead/copper in Form 20467 and is filed with the TCEQ.

6. STAFFING & TRAINING.

Mr. Victor Gonzalez, Water System Operations
TCEQ License C
(915) 478-2830
Responsible for the daily operations at EWS.

Mr. Hector Paquian, Water System Manager and Safety Director
TCEQ License C
(915) 474-0257
Responsible for the overall management and operation at EWS.

Mr. Ramiro Ceballos, Water System Assistant to Operations
(915) 478-2831
Assistant to Mr. Victor Gonzalez. Assists with the daily operations of EWS.

Mr. John Cordova, Professional Engineer
(915) 253-8844
Provides technical support and engineering services to EWS.

7. IDENTIFICATION OF POLLUTION SOURCES.

Potential pollution sources for EWS consist of:

1. Wildlife and grazing animals in the vicinity getting inside the security fencing at the wells or tanks. This is highly unlikely since the perimeter security fencing is solid and well-constructed. The potential for animal entry into or near our well or tank sites would be in the event our operators inadvertently left the entry/exit gate open while entering or exiting through the gate. Since our operators go in pairs of two men at a time during well site inspections, the chance of leaving a gate open is extremely unlikely.
2. Another potential pollutant source for EWS would be spills of fuel or lubricants at or near the well or water distribution system. Fuel storage tank located at the well sites for supplying the generators with fuel is a double-wall tank and is located inside secondary containment. Containment is inspected daily as part of the well inspection.
3. Another potential pollution source would be spills of fuel or lubricants from heavy equipment or trucks at or near the well site. This situation is also very unlikely. The only vehicles entering the fenced area at the wells is the EWS one-ton vehicle and occasionally a fuel delivery truck. If any of these trucks experience a malfunction or leak, they are quickly cleaned up. Operating personnel are well aware of the risk of these situations and keep a lookout for leaks or equipment malfunctions. Any equipment requiring repair is immediately removed from the site and repairs are promptly completed. Water table at this site is below 300 ft. Any soil stains would be quickly cleaned up and properly disposed of.
4. On occasion, when needed, a well pulling unit will be inside the fenced area at the wells and appropriate look out would be kept on that equipment to make sure there are no spills of fuel or lubricants.

8. SAFETY PROGRAM.

Security procedures that have been implemented at EWS consist of the following:

1. Water wells, air relieve vents, storage tanks and electrical controls are all protected with enclosed buildings and/or perimeter fencing with locked entry/exit gates. In addition, proper signage is posted at each area notifying that in the event of an emergency they can call Mr. Victor Gonzalez for assistance.
2. Remote systems communications are sent to Mr. Victor Gonzalez and Mr. Hector Paquian anytime there is a warning condition on water levels, power or pressure within the system. The remote systems communications are 24 hours/7 days per week.
3. Heavy equipment and vehicles all have fire extinguishers.
4. EWS personnel are on call 24 hours/7 days per week in the event of any leaks or emergency conditions.
5. Chemical Safety Data Sheets are maintained on-site for all chemicals in inventory.
6. Perimeter security lighting is in place at all enclosed buildings as well as the main administrative/maintenance building.
7. Chlorine drum is secure within a locked all-weather enclosed building that is always locked and maintained by EWS personnel.
8. All employees at EWS are trained in OSHA regulations.
9. In the event of any accident or incident an accident report form will be filed at 1150 Southview Drive within 24-hours of the incident. A follow up interview and investigation will be carried out by the company Safety Director in order to prevent a reoccurrence.

9. UNACCOUNTED FOR WATER TRACKING.

Daily, weekly and monthly inspections our conducted by our personnel to ensure we have knowledge of any leaks in our distribution system. Our personnel physically and visually inspect the wells, water distribution system, and storage tanks on a daily and weekly basis. In addition, our personnel constantly are in communication with our customers and our customers will inform our personnel of any leaks or losses they are aware of. Our personnel are constantly driving the water distribution system for visible signs of wet soil or well thriving vegetation (that could be from excess water). The daily inspection of our water distribution system along with our well site and storage tank area is the best practice we have to ensure there are no issues with water leaks or losses.

In addition, at least once a month, night readings are taken between 1:00 a.m. and 3:00 a.m. at key locations to measure distribution flow. Point of reading includes distribution line coming out of the "ranch tank" going east, reading of the meter at the Dairy (the largest user of water on that line), and reading of the master meter at the regulator room. In addition to reading the master meter at the regulator room, a meter on the west distribution line is also read to determine if there is flow. Meter readings are taken every 10 or 20 minutes on all of these meters and then reconciled against the water recorded by the Dairy meter. This system in the past has been successful in helping determine when there were leaks in certain parts of the system.

10. EMERGENCY PLAN & OPERATING PROCEDURES.

Our system consists of a primary generator and back-up generator to provide all electrical service to our two new wells. In the event of a malfunction or mishap to our primary generator our personnel will flip the switch and energize the back-up generator so that we always have redundancy. Thy system is wired with a "double throw switch" so that all that is required is to start the backup generator and throw one switch.

Most, if not all, of our existing customers have the cell phone number to Mr. Victor Gonzalez, our License C operator on-site in the event of any emergency. Mr. Ramiro Ceballos, assistant to Mr. Gonzalez, is also on stand-by in the event of any after-hours emergency.

In the event of pump failure, we also have a second well in line so that we are always able to provide water to our customers. Well #29 and #30 are alternated every two weeks so that they are always in good working order in the event that one well fails. Our flow meters are only one to years of age and are still in good working condition, we make it a point to have a 3rd party meter calibrator come in on an annual basis and calibrate all of our meters. We recently replaced 60 residential ¾" meters as these meters were over five years of age.

In the event of any non-compliant sampling results, we will notify our customers as well as the TCEQ and work to resolve the non-compliant event as soon as possible. When a distribution pipe leak occurs it is quickly addressed and repaired ASAP with notices given as required by regulations.

11. MANUFACTURER'S MANUALS.

Any manufacturer's manuals are maintained at the McNary office. After the new RO system is installed (estimated April 2019), operating manuals for the RO system will be kept at the RO operating room.

12. BACKFLOW PREVENTERS.

EWS has ten customers who have backflow preventers. These customers are sent reminder letters once a year notifying them that testing of the backflow preventer is required. The notices are sent by certified mail, return receipt requested, to the customers who are required to have their backflow prevention devices tested. There are two inspectors in the area who perform testing of backflow prevention devices and those individuals' names and phone numbers are furnished to the customers. The individuals conducting the test send the test results directly to EWS. If an inspector does not submit a test result to EWS within 30 days after the date of the initial letter, a second follow-up letter is sent to the customer and if the results have not been received within 30 days after that date, then EWS will have the test performed and will bill the customer for the test.

- Sample notice letter to customers with backflow preventers is attached.
- TCEQ Form 20700 regarding Backflow Prevention Assembly Test and Maintenance Report is attached.

CONSUMER CONFIDENCE REPORT FILED ANNUALLY

4712 Woodrow Bean, Ste. F
El Paso, TX 79924
Office: 915.544.5232
Fax: 915.544.5233
web: www.ceagroup.net

June 6, 2019

Texas Commission on Environmental Quality
Technical Review and Oversight Team (MC-159)
P.O. Box 13087
Austin, TX 78711-3087

Attention: Technical Review and Oversight Team (MC-159)

Reference: Esperanza Reverse Osmosis (RO) Water Treatment System
Response and Exemption for Notice of Violations for
Compliance Evaluation Investigation #1540275 - TCEQ PWS ID: 1150010

To whom it may concern,

On behalf of Esperanza Water Service Company Inc. (EWSC), CEA Group is requesting exemption approval for the above referenced project for Investigation # 1540275 dated January 24, 2019 and February 4, 2019 for the following alleged violation:

Track No: 706591
Alleged Violation: Failure to provide the water system with two or more pumps that have a total capacity of 2.0 gpm per connection or that have a total capacity of at least 1,000 gpm and the ability to meet peak hourly demands with the largest pump out of service, whichever is less, at each pump station or pressure plane. For systems which provide an elevated storage capacity of 200 gallons per connection, two service pumps with a minimum combined capacity of 0.6 gpm per connection are required at each pump station or pressure plane. If only wells and elevated storage are provided, service pumps are not required.

Response: Prior to 2014 there were two (2) pressure pumps that pushed the water into an elevated tank located at the utility's main facility. In 2014 the utility started using two new production wells located approximately nine (9) miles from the facility at an elevation of 3,995 feet which is more than 400 feet above the distribution point. On the transmission line from the wells, approximately four miles from the wells, the utility installed five (5) twenty-one-thousand-gallon storage tanks at an elevation of 3818 feet and in 2019 has added three (3) more twenty-one thousand gallon tanks at that site and an RO system. The elevation at the distribution point at the end of the six (6) inch transmission line is approximately 3,584 feet. The utility has to use a pressure reduction valve to bring the pressure down from 99.00 psi to 45 psi for service to its customers. The required pressure is created by the over 230-foot difference between the elevation of the eight (8) storage tanks and the distribution point and no pumps are required to create pressure for customer service. Therefore, we are requesting an exemption to Rule 30 TAC Chapter 290.45(b)(1)(D)(iii), since based on the information the service pumps would not be required. Please see attached Exceptions Request Submittal Form.

Should you have any questions, comments, or require additional information regarding the report, please contact Abel Garcia, P.E. of CEA Group at (915) 544-5232 or by email at agarcia@ceagroup.net.

Sincerely,
CEA Group

Abel Garcia, P.E.
Project Manager

2291-002_Exemption Letter_TCEQ_03_06june19

Cc: Kent Waggoner, P.G., Section Manager, TCEQ Region 6 – El Paso District Office
Ralph W. Richards – Esperanza Water Service Company (Via E-Mail)
Hector Paquian, P.E. – Esperanza Water Service Company (Via E-Mail)

Texas Commission on Environmental Quality
Technical Review and Oversight Team

Exceptions Request Submittal Form

(Please complete this form and submit with your exception request. More instructions on other side)

Requestor Information

Full Name:	**Epperson**	**Irene**	**Vice President**
	Last	*First*	*Title*

Address: **1150 Southview Drive**
Address Line 1 (Name of engineering firm or public water system you represent)

Address Line 2 (Street address)

El Paso	**TX**	**79928**
City	*State*	*ZIP Code*

Contact Phone: **915.298.9900** Fax: **915.298.9990**

Alternate Phone:

Public Water System (PWS) Information

PWS Name: **Esperanza Water Service Company**

7-DIGIT PWS ID (REQUIRED): **1150010** Plant / Facility Description : **Esperanza R.O. Treatment System**

Type of Exception: **Service Pumps**

30 TAC 290 Rule: **30 TAC Chapter 290.45(b)(1)(D)(iii)** TCEQ Well ID(s) *if applicable*:

Summary of Exception Request

Track No: 706591 Alleged Violation: Failure to provide the water system with two or more pumps that have a total capacity of 2.0 gpm per connection or that have a total capacity of at least 1,000 gpm and the ability to meet peak hourly demands with the largest pump out of service, whichever is less, at each pump station or pressure plane. For systems which provide an elevated storage capacity of 200 gallons per connection, two service pumps with a minimum combined capacity of 0.6 gpm per connection are required at each pump station or pressure plane. If only wells and elevated storage are provided, service pumps are not required.
Response: Prior to 2014 there were two (2) pressure pumps that pushed the water into an elevated tank located at the utility's main facility. In 2014 the utility started using two new production wells located approximately nine (9) miles from the facility at an elevation of 3,995 feet which is more than 400 feet above the distribution point. On the transmission line from the wells, approximately four miles from the wells, the utility installed five (5) twenty-one-thousand-gallon storage tanks at an elevation of 3818 feet and in 2019 has added three (3) more twenty-one thousand gallon tanks at that site and an RO system. The elevation at the distribution point at the end of the six (6) inch transmission line is approximately 3,584 feet. The utility has to use a pressure reduction valve to bring the pressure down from 99.00 psi to 45 psi for service to its customers. The required pressure is created by the over 230-foot difference between the elevation of the eight (8) storage tanks and the distribution

point and no pumps are required to create pressure for customer service Therefore, we are requesting an exemption to Rule 30 TAC Chapter 290 45(b)(1)(D)(iii) since based on the information the service pumps would not be required

Instructions

Please fill-out the front side of this form with your contact information and public water system information and submit with your exception request package.

*If this is a proposed water system and a 7-digit PWS ID has not been issued by TCEQ, write "proposed" in the **'7-DIGIT PWS ID (REQUIRED)'** field. Provide a brief description of the specific water system facility in the **'Plant / Facility Description'** field.(e g "8000-gallon GST at Plant 1") In the **'Type of Exception'** and **'30 TAC 290 Rule'** fields enter a brief description and cite the rule to which you are requesting an exception. (e.g "Sanitary Control Easement" / "§290 41(c)(1)(F)") If your exception request is in regard to a particular well or wells, then please enter the TCEQ Well ID in the **'TCEQ Well ID(s) if applicable'** field TCEQ Well IDs start with the letter 'G' followed by the system's 7-digit PWS ID and end with a letter code (A-Z, AA-AZ, BA-BZ, etc.)*

*In the **'Summary of Exception Request'** box please briefly summarize your request and explain the proposed alternative to the rule being considered. Explain why the PWS cannot meet the rule and how the alternative will ensure the same quality and quantity of water will be provided. If this space is not adequate, please thoroughly address these items in your cover letter.*

More information about your system's wells, facilities and sampling may be found on the Texas Drinking Water Watch webpage:

http://dww2.tceq.texas.gov/DWW/

*In addition to this form, your submission **must include** a signed and dated cover letter and any applicable documentation supporting your request Partial or incomplete submissions will not be approved*

Your completed exception request should be mailed to the following address:

Technical Review and Oversight Team (MC 159)
TCEQ
P.O. Box 13087
Austin, TX 78711-3087

4712 Woodrow Bean, Ste. F
El Paso, TX 79924
Office: 915.544.5232
Fax: 915.544.5233
web: www.ceagroup.net

June 6, 2019

Texas Commission on Environmental Quality
Technical Review and Oversight Team (MC-159)
P.O. Box 13087
Austin, TX 78711-3087

Attention: Technical Review and Oversight Team (MC-159)

Reference: Esperanza Reverse Osmosis (RO) Water Treatment System
Response and Exemption for Notice of Violations for
Compliance Evaluation Investigation #1540275
TCEQ PWS ID: 1150010

To whom it may concern,

On behalf of Esperanza Water Service Company Inc. (EWSC), CEA Group is requesting exemption approval for the above referenced project for Investigation # 1540275 dated January 24, 2019 and February 4, 2019 for the following alleged violation:

Track No: 706590
Alleged Violation: Failure to disinfect the groundwater prior to storage. The point of application must be ahead of the water storage tanks(s) if storage is provided prior to distribution. Permission to use alternate disinfectant application points must be obtained in writing from the executive director.

Response: The proposed disinfection point would be in the existing facility (Regulator Room) located at the end of the six (6) inch transmission line in the existing Regulator room just after the pressure reduction valve and just before the distribution point that feeds the three distribution pipelines going to the utility's customers. This facility is just a few hundred yards off Texas 20. The site required by the regulations is Where the RO system has been installed is over five (5) miles (10 miles round trip on a pipeline road) from regulator room. By having it at the facility in the regulator room, that location would allow for better daily monitoring and record keeping. Please see attached Exceptions Request Submittal Form. The attached exhibit shows the proposed location of the disinfection point.

Should you have any questions, comments, or require additional information regarding the report, please contact Abel Garcia, P.E. of CEA Group at (915) 544-5232 or by email at agarcia@ceagroup.net.

Sincerely,
CEA Group

Abel Garcia, P.E.
Project Manager

2291-002_Exemption Letter_TCEQ_02_06june19

Cc: Kent Waggoner, P.G., Section Manager, TCEQ Region 6 – El Paso District Office
Ralph W. Richards – Esperanza Water Service Company (Via E-Mail)
Hector Paquian, P.E. – Esperanza Water Service Company (Via E-Mail)

Texas Commission on Environmental Quality
Technical Review and Oversight Team

Exceptions Request Submittal Form

(Please complete this form and submit with your exception request. More instructions on other side)

Requestor Information

Full Name:	**Epperson**	**Irene**	**Vice President**
	Last	*First*	*Title*

Address: **1150 Southview Drive**
Address Line 1 (Name of engineering firm or public water system you represent)

Address Line 2 (Street address)

El Paso	**TX**	**79928**
City	*State*	*ZIP Code*

Contact Phone: **915.298.9900** Fax: **915.298.9990**

Alternate Phone:

Public Water System (PWS) Information

PWS Name: **Esperanza Water Service Company**

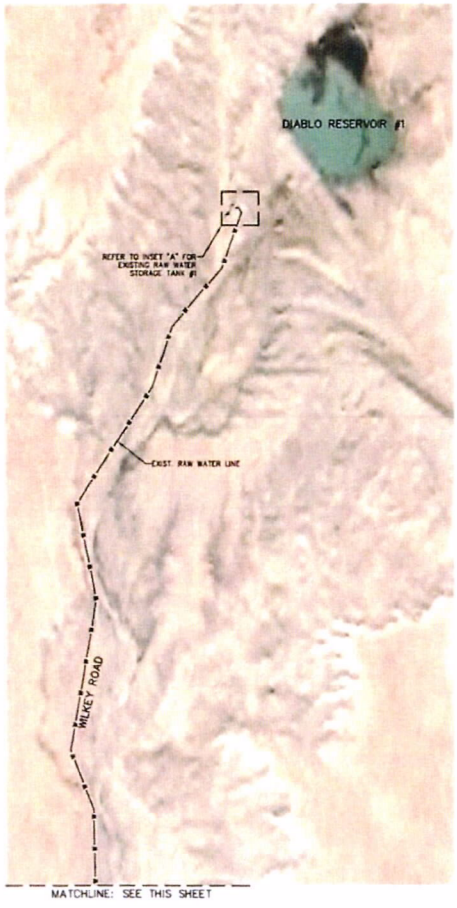
7-DIGIT PWS ID (REQUIRED): **1150010** Plant / Facility Description : **Esperanza R.O. Treatment System**

Type of Exception: **Disinfection Requirements**

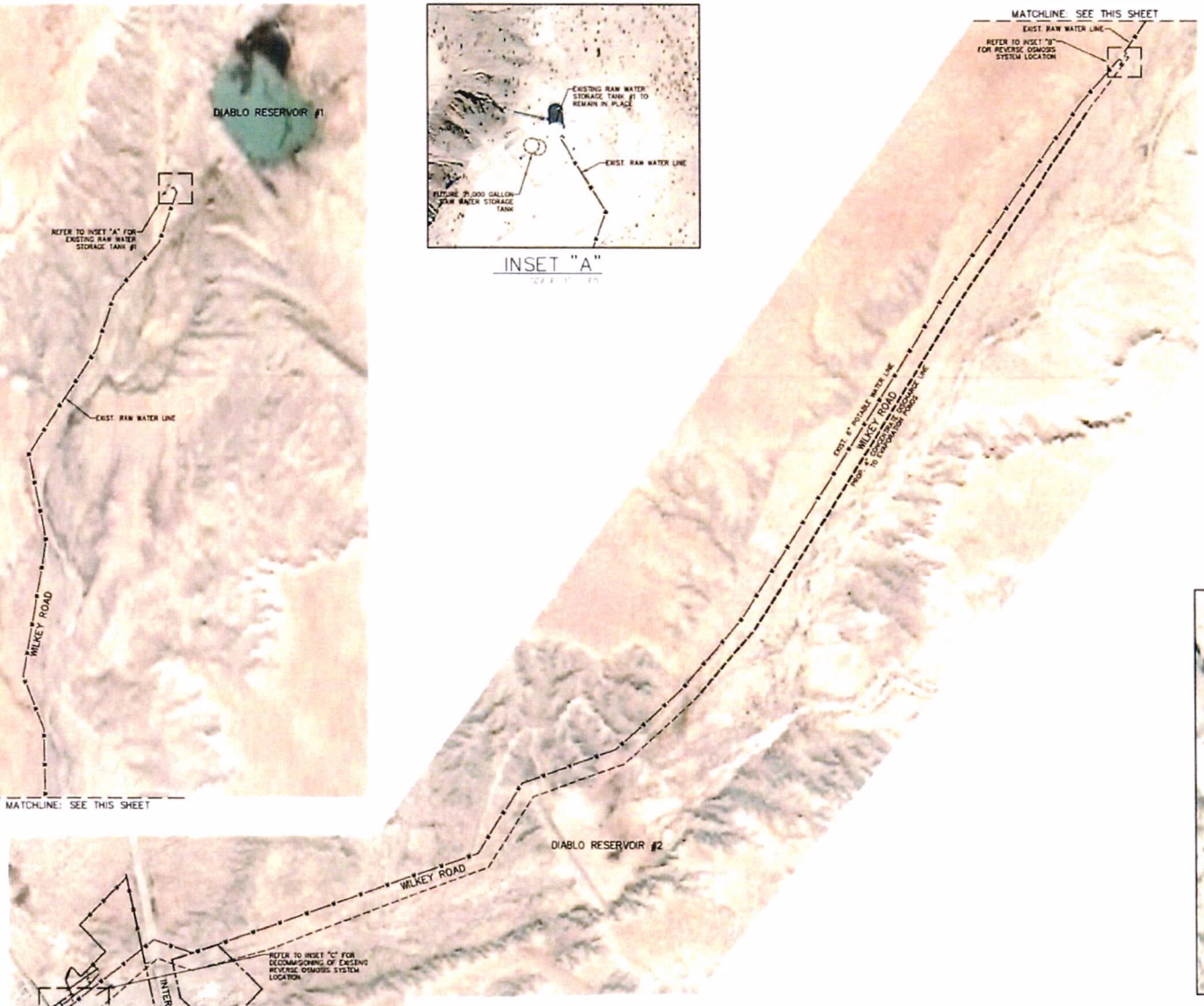
30 TAC 290 Rule: **30 TAC Chapter 290.42(e)(2)** TCEQ Well ID(s) *if applicable*:

Summary of Exception Request

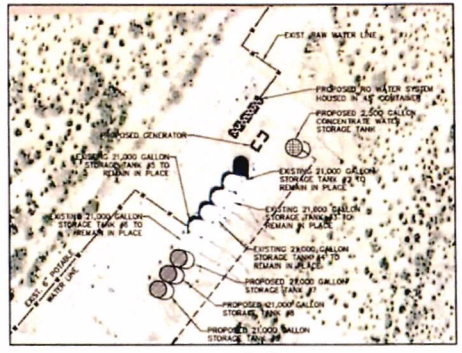
Track No: 706590Alleged Violation: Failure to disinfect the groundwater prior to storage. The point of application must be ahead of the water storage tanks(s) if storage is provided prior to distribution. Permission to use alternate disinfectant application points must be obtained in writing from the executive director.
Response: The proposed disinfection point would be in the existing facility (Regulator Room) located at the end of the six (6) inch transmission line in the existing Regulator room just after the pressure reduction valve and just before the distribution point that feeds the three distribution pipelines going to the utility's customers. This facility is just a few hundred yards off Texas 20. The site required by the regulations is Where the RO system has been installed is over five (5) miles (10 miles round trip on a pipeline road) from regulator room. By having it at the facility in the regulator room, that location would allow for better daily monitoring and record keeping. The attached exhibit shows the proposed location of the disinfection point.



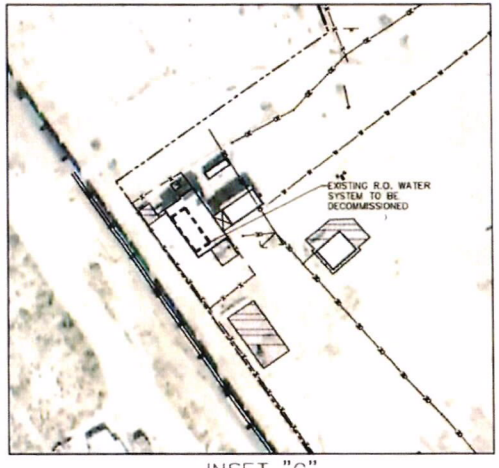
INSET "A"



SITE PLAN



INSET "B"



INSET "C"

UTILITY LOCATOR SERVICES	
COUNTY OF HUDSPETH	(915) 369-2301
ESPARANZA WATER SERVICE CO	(915) 769-3746
TIME WARNER COMMUNICATIONS	(915) 772-1123
U.S. SPRINT TELECOMM	(800) 521-0579
MT. SURVEILLANCE	(800) 803-4044
AT&T	(800) 852-1766

WARNING ! BEFORE YOU DIG
CALL
1-800-DIG-TESS
1-800-344-8377
FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES
BENCHMARKS
N/A
ENGINEER'S SEAL
SCALE
HORIZONTAL AS SHOWN
PROJECT NAME
EX

4712 Woodrow Bean, Ste. F
El Paso, TX 79924
Office: 915.544.5232
Fax: 915.544.5233
web: www.ceagroup.net

June 6, 2019

Texas Commission on Environmental Quality
Technical Review and Oversight Team (MC-159)
P.O. Box 13087
Austin, TX 78711-3087

Attention: Technical Review and Oversight Team (MC-159)

Reference: Esperanza Reverse Osmosis (RO) Water Treatment System
Response and Exemption for Notice of Violations for
Compliance Evaluation Investigation #1540275 – TCEQ PWS ID: 1150010

To whom it may concern,

On behalf of Esperanza Water Service Company Inc. (EWSC), CEA Group is requesting exemption approval for the above referenced project for Investigation # 1540275 dated January 24, 2019 and February 4, 2019 for the following alleged violation:

Track No: 706594
Alleged Violation: Failure to provide the water system with an elevated storage tank capacity of 100 gallons per connection or a pressure tank capacity of 20 gallons per connection. If pressure tanks are used, a maximum capacity of 30,000 gallons is sufficient for up to 2,500 connections. An elevated storage capacity of 100 gallons per connection is required for systems with more than 2,500 connections. Alternate methods of pressure maintenance may be proposed and will be approved if the criteria contained in subsection (g)(5) of this section are met.

Response: Response: In 2014 the utility started using two new production wells located approximately nine (9) miles from the facility at an elevation of 3,995 feet which is more than 400 feet above the distribution point. On the transmission line from the wells, approximately four miles from the wells, the utility installed five (5) twenty-one-thousand-gallon storage tanks at an elevation of 3,818 feet and in 2019 has added three (3) more twenty-one thousand gallon tanks at that site and an RO system. The elevation at the distribution point at the end of the six (6) inch transmission line is approximately 3,584 feet. The utility has to use a pressure reduction valve to bring the pressure down from 99.00 psi to 45 psi for service to its customers. The required pressure is created by the over 230-foot difference between the elevation of the eight (8) storage tanks and the distribution point and no pumps are required to create pressure for customer service. Therefore, we are requesting an exemption to Rule 30 TAC Chapter 290.45(b)(1)(D)(iv), since based on the information there is approximately 168,000 gallons of storage. Please see attached Exceptions Request Submittal Form.

Should you have any questions, comments, or require additional information regarding the report, please contact Abel Garcia, P.E. of CEA Group at (915) 544-5232 or by email at agarcia@ceagroup.net.

Sincerely,
CEA Group

Abel Garcia, P.E.
Project Manager

2291-002_Exemption Letter_TCEQ_04_06june19

Cc: Kent Waggoner, P.G., Section Manager, TCEQ Region 6 – El Paso District Office
Ralph W. Richards – Esperanza Water Service Company (Via E-Mail)
Hector Paquian – Esperanza Water Service Company (Via E-Mail)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 2, 2019

Mr. Abel Garcia, P.E.
CEA Group
4712 Woodrow Bean, Suite F
El Paso, Texas 79924

Re: Esperanza Water Service - PWS ID No. 1150010
Requests for an Alternative Capacity Requirement (ACRs)
Request for an Exception to the Groundwater Disinfection Location Requirement
Hudspeth County, Texas
RN 101207371 | CN 601179757

Dear Mr. Garcia,

On June 10, 2019, the Texas Commission on Environmental Quality (TCEQ) received your letter dated June 6, 2019, on behalf of the Esperanza Water Service public water system (PWS). Your letter requested exceptions to the following requirements in Title 30 of the Texas Administrative Code (30 TAC) Chapter 290:

- Public water systems shall have elevated storage capacity of 100 gallons per connection or a pressure tank capacity of 20 gallons per connection as specified in 30 TAC §290.45(b)(1)(D)(iv).
- Public water systems shall have two or more pumps that have a total capacity of 2.0 gallon per minute (gpm) per connection or that have a total capacity of at least 1,000 gpm as specified in 30 TAC §290.45(b)(1)(D)(iii).
- Public water systems shall have groundwater disinfected ahead of the water storage tanks as specified in 30 TAC §290.42(e)(2).

Each of the requested exceptions is discussed separately below.

Elevated Storage Capacity Rule - 30 TAC §290.45(b)(1)(D)(iv)

In response to Investigation #1540275 dated January 24, 2019 and February 4, 2019 Track № 706594, you have provided information that Esperanza Water Service has eight (8) 21,000-gallon ground storage tanks, for a total of 168,000 gallons of storage, which are located over 230-feet above the elevation of the distribution system. In accordance with 30 TAC §290.38(25) these eight tanks serve as elevated ground storage as they are at least 80 feet above the highest service connection in the pressure plane served by the storage tank. Therefore, **an exception to the elevated storage capacity requirement is not needed.**

Service Pump Capacity Rule - 30 TAC §290.45(b)(1)(D)(iii) (ACR)

In response to Investigation #1540275 dated January 24, 2019 and February 4, 2019 Track № 706591, you have requested an exception to the requirement that the PWS provide two or more pumps that have a total capacity of at least 2.0 gpm per connection as specified in 30 TAC §290.45(b)(1)(D)(iii). The last sentence of this rule states, "*If only wells and elevated storage are provided, service pumps are not required*". The Esperanza Water Service does provide elevated storage and its water source is only from groundwater wells. Therefore, **an exception to this pump requirement is not needed.**

Groundwater Disinfection Prior to Storage Rule - 30 TAC §290.42(e)(2)

In response to Investigation #1540275 dated January 24, 2019 and February 4, 2019 Track № 706590, you have requested an exception to the requirement that disinfection must be applied before the water enters the storage tanks. Based on our review, we are **unable to grant the exception** to not disinfect the water prior to storage at the location of the new RO plant and eight (8) ground storage tanks for the following reasons:

- The eight (8) ground storage tanks hold a total of 168,000 gallons of water which is more than three (3) times the 200 gallons of storage per connection required for your system. Water age and degradation of water quality in the fiberglass storage tanks in the climate of your area is assessed to be highly probable.

- The pipeline proposed to transmit the water to the existing disinfection system location is over 5 miles long. This distance is assessed as too long to transmit this water without disinfectant residual after the storage in the ground storage tanks.

Therefore, engineering plans and specifications for the proposed disinfection system at the location of the new RO plant and eight (8) ground storage tanks are required to be submitted to the TCEQ's Plan Review Team (PRT) for review and approval of construction as specified in 30 TAC §290.39(h)(1).

For PRT submittal instructions of plans and specifications, please contact the PRT by phone at (512) 239-4691 or at the following address:

Plan Review Team (MC 159)
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

You may also find submittal instructions on the PRT web page at:

https://www.tceq.texas.gov/drinkingwater/planrev.html

Prior to installing any other proposed water system facilities or modifying existing water system facilities, please contact the PRT for submittal instructions.

Any PWS failing to meet the requirements specified in 30 TAC §290.39(h)(1) for submitting engineering plans and specifications of proposed or existing facilities to the PRT per 30 TAC §290.39(j), for review and approval prior to construction and operation, may be subject to enforcement action.

If you have questions concerning this letter, or if we can be of additional assistance, please contact Mr. Robert W. Sims, P.E. by email at robert.sims@tceq.texas.gov, by telephone at (512) 239-6187, or by correspondence at the following address:

Technical Review and Oversight Team (MC 159)
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Sincerely,

Stephanie Escobar, Team Leader
Technical Review and Oversight Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

SJE/rws

Enclosure: Disinfection Checklist

cc: Ms. Lexa Dean Jobe, Esperanza Water Service, 1150 Southview Drive, El Paso. TX 79928-5240

Disinfection Checklist

Texas Commission on Environmental Quality
Water Supply Division
Plan Review Team MC-159
P.O. Box 13 087, Austin, Texas 78711-3087

Public Water System I.D. No._____
TCEQ Log No. P-_____

The following list is a brief outline of the "Rules for Public Water Systems", 30 TAC Chapter 290 regarding proposed disinfection facility construction. Sealed plans, engineering report, and specifications meeting, but not limited to, the minimum requirements cited here shall be prepared under the supervision of a Texas licensed professional engineer and submitted to TCEQ for approval. This list is not a substitute for the rules and this checklist cannot be accepted in lieu of the required engineering submittals. Failure to submit the following items may delay project approval. Copies of the rules may be obtained from Texas Register, 1019 Brazos St, Austin, TX, 78701-2413, Phone: (512) 463-5561 or downloaded from the website: http://www.tceq.texas.gov/rules/indxpdf.html

1. ☐ All water obtained from surface sources or groundwater sources that are under the direct influence of surface water must be disinfected in a manner consistent with the requirements of §290.110 of this title; [§290.42(e)(1)]
2. ☐ All groundwater must be disinfected prior to distribution and in a manner consistent with the requirements of §290.110 of this title. The point of application must be ahead of the water storage tank(s) if storage is provided prior to distribution. Permission to use alternate disinfectant application points must be obtained in writing from the executive director; [§290.42(e)(2)]
3. ☐ Disinfection equipment shall be selected and installed so that continuous and effective disinfection can be secured under all conditions; [§290.42(e)(3)]
4. ☐ Disinfection equipment shall have a capacity at least 50% greater than the highest expected dosage to be applied at any time. It shall be capable of satisfactory operation under every prevailing hydraulic condition; [§290.42(e)(3)(A)]
5. ☐ Automatic proportioning of the disinfectant dosage to the flow rate of the water being treated shall be provided at plants where the treatment rate varies automatically and at all plants where the treatment rate varies more than 50% above or below the average flow. Manual control shall be permissible only if an operator is always on hand to make adjustments promptly; [§290.42(e)(3)(B)]
6. ☐ All disinfecting equipment in surface water treatment plants shall include at least one functional standby unit of each capacity for ensuring uninterrupted operation. Common standby units are permissible but, generally, more than one standby unit must be provided because of the differences in feed rates or the physical state in which the disinfectants are being fed (solid, liquid, or gas); [§290.42(e)(3)(C)]
7. ☐ Facilities shall be provided for determining the amount of disinfectant used daily and the amount of disinfectant remaining for use; [§290.42(e)(3)(D)]
8. ☐ When used, solutions of calcium hypochlorite shall be prepared in a separate mixing tank and allowed to settle so that only a clear supernatant liquid is transferred to the hypochlorinator container; [§290.42(e)(3)(E)]
9. ☐ Provisions shall be made for both pretreatment disinfection and post-disinfection in all surface water treatment plants. Additional application points shall be installed if they are required to adequately control the quality of the treated water; [§290.42(e)(3)(F)]

Disinfection Checklist

10. ☐ The use of disinfectants other than free chlorine and chloramines will be considered on a case-by-case basis under the exception guidelines of §290.39(l) of this title. [§290.42(e)(3)(G)] If water containing chloramines and water containing free chlorine are blended, then a case-by-case review under §290.39(l) of this title will be required; [§290.42(e)(3)(G)]
11. ☐ When chlorine gas is used, a full-face self-contained breathing apparatus or supplied air respirator that meets Occupational Safety and Health Administration (OSHA) standards for construction and operation, and a small bottle of fresh ammonia solution (or approved equal) for testing for chlorine leakage shall be readily accessible outside the chlorinator room and immediately available to the operator in the event of an emergency; [§290.42(e)(4)(A)]
12. ☐ 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; [§290.42(e)(4)(B)]
13. ☐ Adequate ventilation, which includes both high level and floor level screened vents, shall be provided for all enclosures in which gas chlorine is being stored or fed. Enclosures containing more than one operating 150-pound cylinder of chlorine shall also provide forced air ventilation which includes: screened and louvered floor level and high level vents; a fan which is located at and draws air in through the top vent and discharges to the outside atmosphere through the floor level vent; and a fan switch located outside the enclosure. Alternately, systems may install negative pressure ventilation as long as the facilities also have gas containment and treatment as prescribed by the current International Fire Code (IFC); and [§290.42(e)(4)(C)]
14. ☐ Hypochlorination solution containers and pumps must be housed in a secure enclosure to protect them from adverse weather conditions and vandalism. The solution container top must be completely covered to prevent the entrance of dust, insects, and other contaminants. [§290.42(e)(5)]

For Chloramines - Use the Chloramine Checklist

8-29-19

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 30, 2019

CERTIFIED MAIL #7017 0530 0001 1306 5830
RETURN RECEIPT REQUESTED

Mr. Ralph Richards, Attorney
Esperanza Water Service Company, Inc.
1150 Southview Dr.
El Paso, TX 79928

Re: Notice of Enforcement for File Record Review for:
Esperanza Water Service, Exit 78 I-10 East, McNary, Hudspeth County
Regulated Entity No.: RN101207371, TCEQ ID No.: 1150010

Dear Mr. Richards:

On August 15, 2019, Mr. Arturo Leyva of the Texas Commission on Environmental Quality (TCEQ) El Paso Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for *public water supply.* During this investigation, certain outstanding alleged violations were documented. Enclosed is a summary which lists the investigation findings and recommended corrective actions. Additional recommended corrective actions may be provided by the Enforcement Division.

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 El Paso Region Office at (915) 834-4949 or the Central Office Publications Ordering Team at (512) 239-0028.

Also, please be advised that the Legislature has granted enforcement powers to the TCEQ to carry out its mission to protect human health and the environment. Due to the apparent seriousness of the alleged violations, formal enforcement action has been initiated, and additional violations may be cited upon further review. We encourage you to immediately begin taking actions to address the outstanding alleged violations.

In responding with prompt corrective action, the administrative penalty to be assessed may be limited.

The Commission recognizes that the great majority of the regulated community wants to prevent pollution and to comply with environmental laws. We dedicate considerable resources toward making voluntary compliance achievable. But where compliance has not been met it is our duty to protect the public and the environment by enforcing the state's environmental laws, regulations, and permits.

Also, if you believe the violations documented in this notice have been cited in error, and you have additional information that we are unaware of, you may request a meeting to discuss this enforcement matter. To request a meeting, send a letter describing the additional information to the address shown below.

Manager, Drinking Water Section
Enforcement Division, MC 219
Re: Enforcement Meeting Request
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

If you or members of your staff have any questions, please feel free to contact Mr. Leyva in the El Paso Region Office at (915) 834-4975.

Sincerely,

Kent Waggoner

Kent Waggoner, P.G.
Section Manager
El Paso Region Office
Texas Commission on Environmental Quality

KW/al

cc: Ms. Lexa Dean Jobe, President
Esperanza Water Service Company, Inc.
1150 Southview Dr.
El Paso, TX 79928

Enclosure: Summary of Investigation Findings

Summary of Investigation Findings

ESPERANZA WATER SERVICE **Investigation # 1589828**

Investigation Date: 08/15/2019

, HUDSPETH COUNTY,

Additional ID(s): 1150010

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

Track No: 706590 **Compliance Due Date: 03/29/2019**

30 TAC Chapter 290.42(e)(2)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to disinfect the groundwater prior to storage. The point of application must be ahead of the water storage tank(s) if storage is provided prior to distribution. Permission to use alternate disinfectant application points must be obtained in writing from the executive director.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that the disinfection application point is located prior to storage or that permission to use an alternate disinfection point has been obtained in writing from the TCEQ. For further assistance regarding submittal of documentation for the request for exception contact the TCEQ Technical Review and Oversight Team (TROT) at (512) 239-4691, MC 159, P.O. Box 13087, Austin, TX 78711-3087.

Track No: 706591 **Compliance Due Date: 03/29/2019**

30 TAC Chapter 290.45(b)(1)(D)(iii)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to provide the water system with two or more pumps that have a total capacity of 2.0 gpm per connection or that have a total capacity of at least 1,000 gpm and the ability to meet peak hourly demands with the largest pump out of service, whichever is less, at each pump station or pressure plane. For systems which provide an elevated storage capacity of 200 gallons per connection, two service pumps with a minimum combined capacity of 0.6 gpm per connection are required at each pump station or pressure plane. If only wells and elevated storage are provided, service pumps are not required.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that this minimum capacity requirement has been met or that an exception to this regulation has been granted by the TCEQ. The regulated entity shall provide documentation to the TCEQ El Paso Region Office which indicates that the exception to this regulation has been approved by the TCEQ Technical Review and Oversight Team (TROT). For further assistance regarding submittal of documentation for the request for exception contact the TCEQ TROT at (512) 239-4691, MC 159, P.O. Box 13087, Austin, TX 78711-3087.

Track No: 706594 **Compliance Due Date: 03/29/2019**

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

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to provide the water system with an elevated storage capacity of 100 gallons per connection or a pressure tank capacity of 20 gallons per connection. If pressure tanks are used, a maximum capacity of 30,000 gallons is sufficient for up to 2,500 connections. An elevated storage capacity of 100 gallons per connection is required for systems with more than 2,500 connections. Alternate methods of pressure maintenance may be proposed and will be approved if the criteria contained in subsection (g)(5) of this section are met.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that this minimum capacity requirement has been met or that an exception to this regulation has been granted by the TCEQ. The regulated entity shall provide documentation to the TCEQ El Paso Region Office which indicates that the exception to this regulation has been approved by the TCEQ Technical Review and Oversight Team (TROT). For further assistance regarding submittal of documentation for the request for exception contact the TCEQ TROT at (512) 239-4691, MC 159, P.O. Box 13087, Austin, TX 78711-3087.

Summary of Investigation Findings

ESPERANZA WATER SERVICE Investigation # 1589828

Investigation Date: 08/15/2019

, HUDSPETH COUNTY,

Additional ID(s): 1150010

ALLEGED VIOLATION(S) NOTED AND RESOLVED

Track No: 706588

30 TAC Chapter 290.39(j)(1)(A)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to notify the executive director prior to making any significant change or addition to a public water supply system's production, treatment, storage, or pressure maintenance capacity. Specifically, the regulated entity has constructed 5-21,000 gallon ground storage tanks which are currently online and operational. Placards on 1 of the ground storage tanks indicates it was constructed in 2010 and placards on 4 of the ground storage tanks indicate they were constructed in 2013.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that documentation demonstrating that as-built plans for the storage facilities have been submitted to the TCEQ Plan Review Team (PRT), MC 159, P.O. Box 13087, Austin, TX 78711-3087 and that approval has been granted. The entity must ensure that the as-built plans are submitted by a licensed professional engineer. For further assistance regarding submittal contact the TCEQ PRT at (512) 239-4691.

Resolution: The regulated entity has submitted documentation to the TCEQ El Paso Region Office which indicates that documentation demonstrating that as-built plans for the storage facilities have been submitted to the TCEQ Plan Review Team (PRT), MC 159, P.O. Box 13087, Austin, TX 78711-3087 and that approval has been granted.

Track No: 706595

30 TAC Chapter 290.45(e)(1)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to provide a copy of the contractual obligations with the Traveling Tiger PWS which describes that they are providing enough production, treatment, and service pumping capacity to meet or exceed the combined maximum daily commitments.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall provide the TCEQ El Paso Region Office with a copy of the wholesale contract with the Traveling Tiger PWS which describes that they are providing enough production, treatment, and service pumping capacity to meet or exceed the combined maximum daily commitments.

Resolution: The regulated entity has provided the TCEQ El Paso Region Office with a copy of the wholesale contract with the Traveling Tiger PWS.

Track No: 706596

30 TAC Chapter 290.46(f)(3)(A)(ii)(II)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to maintain a record of the amount of water distributed each day.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall submit documentation to the TCEQ El Paso Region Office which indicates that a record of the amount of water distributed each day is being maintained.

Resolution: The regulated entity has submitted documentation to the TCEQ El Paso Region Office which indicates that a record of the amount of water distributed each day is being maintained.

Track No: 706599

30 TAC Chapter 290.121(a)

Alleged Violation:

Investigation: 1540275 Comment Date: 02/20/2019

Failure to maintain and provide an up to date copy of a chemical and microbiological monitoring plan.

Investigation: 1589828 Comment Date: 08/26/2019

A follow-up investigation was conducted on August 15, 2019, to determine compliance status of this alleged violation.

Recommended Corrective Action: The regulated entity shall submit a copy of the chemical and microbiological monitoring plan to the TCEQ El Paso Region Office.

Resolution: The regulated entity has submitted a copy of the chemical and microbiological monitoring plan to the TCEQ El Paso Region Office.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 31, 2020

Ms. Lexa Dean Jobe, President
ESPERANZA WATER SERVICE COMPANY, INC.
1150 Southview Drive
El Paso, Texas 79928

Re: TCEQ Enforcement Action
ESPERANZA WATER SERVICE COMPANY, INC.
Docket No. 2019-1242-PWS-E

Dear Ms. Jobe:

Enclosed for your records is a fully-executed copy of the Agreed Order for the above-referenced matter.

Please review the enclosed Agreed Order, particularly the "Ordering Provisions" section, to determine if further action will be required of you, such as the completion of technical requirements to achieve compliance. When technical requirements are listed (usually Ordering Provision No. 2 or 3), a deadline will be provided based on a specific number of days after the effective date. The effective date is as stated in the enclosed Agreed Order.

Should you have any questions, please contact Epifanio Villarreal, the Enforcement Coordinator assigned to this matter, at (361) 825-3421.

Sincerely,

Michael Parrish
Enforcement Division

Enclosure

cc: Epifanio Villarreal, Enforcement Division
Water Section Manager, Region 6

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

IN THE MATTER OF AN ENFORCEMENT ACTION CONCERNING ESPERANZA WATER SERVICE COMPANY, INC. RN101207371	§ § § § § §	**BEFORE THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**

AGREED ORDER
DOCKET NO. 2019-1242-PWS-E

I. JURISDICTION AND STIPULATIONS

On JAN 28 2020, the Texas Commission on Environmental Quality ("the Commission" or "TCEQ") considered this agreement of the parties, resolving an enforcement action regarding ESPERANZA WATER SERVICE COMPANY, INC. (the "Respondent") under the authority of TEX. HEALTH & SAFETY CODE ch. 341. The Executive Director of the TCEQ, through the Enforcement Division, and the Respondent represented by Ralph Wm. Richards together stipulate that:

1. The Respondent owns and operates a public water supply located approximately 30 miles southeast of Fabens between Interstate Highway 10 and the United States-Mexico international border in Hudspeth County, Texas (the "Facility"). The Facility provides water for human consumption, has approximately 283 service connections, and serves at least 25 people per day for at least 60 days per year. As such, the Facility is a public water system as defined in 30 TEX. ADMIN. CODE § 290.38(71).

2. The Executive Director and the Respondent agree that the TCEQ has jurisdiction to enter this Order pursuant to TEX. WATER CODE § 7.002 and TEX. HEALTH & SAFETY CODE § 341.049, and that the Respondent is subject to TCEQ's jurisdiction. The TCEQ has jurisdiction in this matter pursuant to TEX. WATER CODE § 5.013 and TEX. HEALTH & SAFETY CODE § 341.031 because it alleges violations of TEX. HEALTH & SAFETY CODE ch. 341 and the rules of the TCEQ.

3. The occurrence of any violation is in dispute and the entry of this Order shall not constitute an admission by the Respondent of any violation alleged in Section II ("Allegations"), nor of any statute or rule.

4. An administrative penalty in the amount of $180 is assessed by the Commission in settlement of the violations alleged in Section II ("Allegations"). The Respondent paid $144 of the penalty and $36 is deferred contingent upon the Respondent's timely and satisfactory compliance with all the terms of this Order. The deferred amount shall be waived only upon full compliance with all the terms and conditions contained in this Order. If the Respondent fails to timely and satisfactorily comply with any of the terms

or requirements contained in this Order, the Executive Director may demand payment of all or part of the deferred penalty amount.

5. The Executive Director and the Respondent agree on a settlement of the matters alleged in this enforcement action, subject to final approval in accordance with 30 TEX. ADMIN. CODE § 70.10(a). Any notice and procedures, which might otherwise be authorized or required in this action, are waived in the interest of a more timely resolution of the matter.

6. The Executive Director may, without further notice or hearing, refer this matter to the Office of the Attorney General of the State of Texas ("OAG") for further enforcement proceedings if the Executive Director determines that the Respondent has not complied with one or more of the terms or conditions in this Order.

7. This Order represents the complete and fully-integrated agreement of the parties. The provisions of this Order are deemed severable and, if a court of competent jurisdiction or other appropriate authority deems any provision of this Order unenforceable, the remaining provisions shall be valid and enforceable.

8. This Order shall terminate five years from its effective date or upon compliance with all the terms and conditions set forth in this Order, whichever is later.

II. ALLEGATIONS

During a record review conducted on August 15, 2019, an investigator documented that the Respondent failed to disinfect groundwater prior to distribution or storage and in a manner consistent with 30 TEX. ADMIN. CODE § 290.110, in violation of 30 TEX. ADMIN. CODE § 290.42(e)(2). Specifically, the disinfection application point was not prior to storage.

III. DENIALS

The Respondent generally denies each allegation in Section II ("Allegations").

IV. ORDERING PROVISIONS

NOW, THEREFORE, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY ORDERS that:

1. The Respondent is assessed a penalty as set forth in Section I, Paragraph No. 4. The payment of this penalty and the Respondent's compliance with all of the requirements set forth in this Order resolve only the allegations in Section II. The Commission shall not be constrained in any manner from requiring corrective action or penalties for violations which are not raised here. Penalty payments shall be made payable to "TCEQ" and shall be sent with the notation "Re: ESPERANZA WATER SERVICE COMPANY, INC., Docket No. 2019-1242-PWS-E" to:

Financial Administration Division, Revenue Operations Section
Attention: Cashier's Office, MC 214
Texas Commission on Environmental Quality
P.O. Box 13088
Austin, Texas 78711-3088

2. The Respondent shall undertake the following technical requirements:

   a. Within 30 days after the effective date of this Order, provide disinfection application points prior to storage, in accordance with 30 TEX. ADMIN. CODE § 290.42.

   b. Within 45 days after the effective date of this Order, submit written certification, and include detailed supporting documentation including photographs, receipts, and/or other records to demonstrate compliance with Ordering Provision No. 2.a. The certification shall be signed by the Respondent and shall include the following certification language:

      "I certify under penalty of law that I have personally examined and am familiar with the information submitted and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

   The certification shall be submitted to:

      Order Compliance Team
      Enforcement Division, MC 149A
      Texas Commission on Environmental Quality
      P.O. Box 13087
      Austin, Texas 78711-3087

   with a copy to:

      Water Section Manager
      El Paso Regional Office
      Texas Commission on Environmental Quality
      401 East Franklin Avenue, Suite 560
      El Paso, Texas 79901-1212

3. All relief not expressly granted in this Order is denied.

4. The duties and provisions imposed by this Order shall apply to and be binding upon the Respondent. The Respondent is ordered to give notice of this Order to personnel who maintain day-to-day control over the Facility operations referenced in this Order.

5. The Executive Director may grant an extension of any deadline in this Order or in any plan, report, or other document submitted pursuant to this Order, upon a written and substantiated showing of good cause. All requests for extensions by the Respondent shall be made in writing to the Executive Director. Extensions are not effective until the Respondent receives written approval from the Executive Director. The determination of what constitutes good cause rests solely with the Executive Director. Extension requests shall be sent to the Order Compliance Team at the address listed above.

6. This Order, issued by the Commission, shall not be admissible against the Respondent in a civil proceeding, unless the proceeding is brought by the OAG to: (1) enforce the terms of this Order; or (2) pursue violations of a statute within the Commission's jurisdiction, or of a rule adopted or an order or permit issued by the Commission under such a statute.

7. This Order may be executed in separate and multiple counterparts, which together shall constitute a single instrument. Any page of this Order may be copied, scanned, digitized, converted to electronic portable document format ("pdf"), or otherwise reproduced and may be transmitted by digital or electronic transmission, including but not limited to facsimile transmission and electronic mail. Any signature affixed to this Order shall constitute an original signature for all purposes and may be used, filed, substituted, or issued for any purpose for which an original signature could be used. The term "signature" shall include manual signatures and true and accurate reproductions of manual signatures created, executed, endorsed, adopted, or authorized by the person or persons to whom the signatures are attributable. Signatures may be copied or reproduced digitally, electronically, by photocopying, engraving, imprinting, lithographing, electronic mail, facsimile transmission, stamping, or any other means or process which the Executive Director deems acceptable. In this paragraph exclusively, the terms: electronic transmission, owner, person, writing, and written, shall have the meanings assigned to them under TEX. BUS. ORG. CODE § 1.002.

8. The effective date of this Order is the date it is signed by the Commission. A copy of this fully executed Order shall be provided to each of the parties.

SIGNATURE PAGE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

For the Commission — Date

Bryan Sinclair
For the Executive Director — Date 1/28/2020

I, the undersigned, have read and understand the attached Order. I am authorized to agree to the attached Order, and I do agree to the terms and conditions specified therein. I further acknowledge that the TCEQ, in accepting payment for the penalty amount, is materially relying on such representation.

I also understand that failure to comply with the Ordering Provisions, if any, in this Order and/or failure to timely pay the penalty amount, may result in:

- A negative impact on compliance history;
- Greater scrutiny of any permit applications submitted;
- Referral of this case to the Attorney General's Office for contempt, injunctive relief, additional penalties, and/or attorney fees, or to a collection agency;
- Increased penalties in any future enforcement actions;
- Automatic referral to the Attorney General's Office of any future enforcement actions; and
- TCEQ seeking other relief as authorized by law.

In addition, any falsification of any compliance documents may result in criminal prosecution.

Signature — October 29, 2019
Date

Irene Epperson — Vice President
Name (Printed or typed) — Title
Authorized Representative of
ESPERANZA WATER SERVICE COMPANY, INC.

☐ *If mailing address has changed, please check this box and provide the new address below:*

Instructions: Send the original, signed Order with penalty payment to the Financial Administration Division, Revenue Operations Section at the address in Ordering Provision 1 of this Order.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 28, 2020

Ms. Lexa Dean Jobe, President
Esperanza Water Service Company, Inc.
1150 Southview Drive
El Paso, Texas 79928

Re: Notice of Compliance with Commission Order
Esperanza Water Service Company, Inc.; RN101207371; Account No. 1150010
Docket No. 2019-1242-PWS-E; Enforcement Case No. 58244

Dear Ms. Jobe:

This letter is to inform you that a review of Texas Commission on Environmental Quality records concerning the above-referenced enforcement matter indicates that Esperanza Water Service Company, Inc. has fulfilled the requirements of the Commission Order ("Order") effective on January 28, 2020. Specifically, Esperanza Water Service Company, Inc. has fulfilled the technical requirements and paid the administrative penalty assessed in the Order. Based upon this, we conclude that your response has been satisfactory and no further action is necessary at this time with respect to this enforcement matter. The Order will remain on the compliance history for this regulated entity for five years from the effective date of the Order.

We appreciate your cooperation, and if we can be of any further assistance, please contact Ms. Monica Larina at (512) 239-0184.

Sincerely,

Rebecca Boyett

Rebecca Boyett, Work Leader
Enforcement Division

cc: Ms. Irene Epperson, Vice President, Esperanza Water Service Company, Inc., 1150 Southview Drive, El Paso, Texas 79928

Attachment 6 – List of Water Operators for El Paso Water Utilities

Esperanza Water Service Company, Inc./El Paso Water Utilities Sale Transfer Merger Application

NAME	POSITION	CURRENT LICENSE HELD	LICENSE NUMBER
1 Acosta, Jesus	Water Production Superintendent	WATER OPERATOR A	WO0038471
2 Garcia, Raymond	Water Production Assistant Superintendent	WATER OPERATOR A	WO0036832
3 Montes, Ruben	Water Plant Superintendent	WATER OPERATOR A	WO0036256
4. Shay, Ray	Water Plant Superintendent	WATER OPERATOR A	WO0024662
5 Parker, Michael	Water Plant Superintendent	WATER OPERATOR A	WO0012975
6. Ruiz, Art	Water Plant Superintendent	WATER OPERATOR A	WO0013596
7 Espinoza, Saul	Water Plant Assistant Superintendent	WATER OPERATOR A	WO0026409
8 Morales, Salvador	Water Plant Assistant Superintendent	WATER OPERATOR A	WO0038332
9. Sepulveda, Hector	Water Plant Assistant Superintendent	WATER OPERATOR A	WO0019391
10 Regalado, Francisco	Water Plant Assistant Superintendent	WATER OPERATOR A	WO0019519
11. Vargas , Victor	Water Plant Assistant Superintendent	WATER OPERATOR A	WO0040908
12 Vasquez, Adan	Utility Plant Senior Technician	WATER OPERATOR A	WO0036636
13 Mendoza , Jesus I	Utility Plant Senior Technician	WATER OPERATOR A	WO0036538
14 Dominguez, Frank	Utility Plant Lead Technician	WATER OPERATOR A	WO0041697
15. Hawkins, John	Utility Plant Lead Technician	WATER OPERATOR A	WO0036424
16. Medina, Alfredo	Utility Plant Lead Technician	WATER OPERATOR A	WO0032211
17. Rodriguez, Dorian	Utility Plant Lead Technician	WATER OPERATOR A	WO0041714
18 Orozco, Eduardo	Utility Plant Technician	WATER OPERATOR D	WO0045617
19. Sierra, Alfonso Jr.	Utility Plant Technician	WATER OPERATOR D	WO0042998
20. Moreno, Rodolfo	Utility Plant Technician	WATER OPERATOR D	WO0042124
21 Soto, Juvenciano	Utility Plant Technician	WATER OPERATOR D	WO0044265
22 Moya, Julio	Utility Plant Technician	WATER OPERATOR D	WO0044825
23 Rodriguez, Edgar	Utility Plant Technician	WATER OPERATOR D	WO0041910
24 Diaz, Lorenzo	Utility Plant Technician	WATER OPERATOR D	WO0045139
25. Marquez Armando	Utility Plant Technician	WATER OPERATOR D	WO0044197

Attachment 7 – Maps of Esperanza Water Service Company's CCN No. 12881

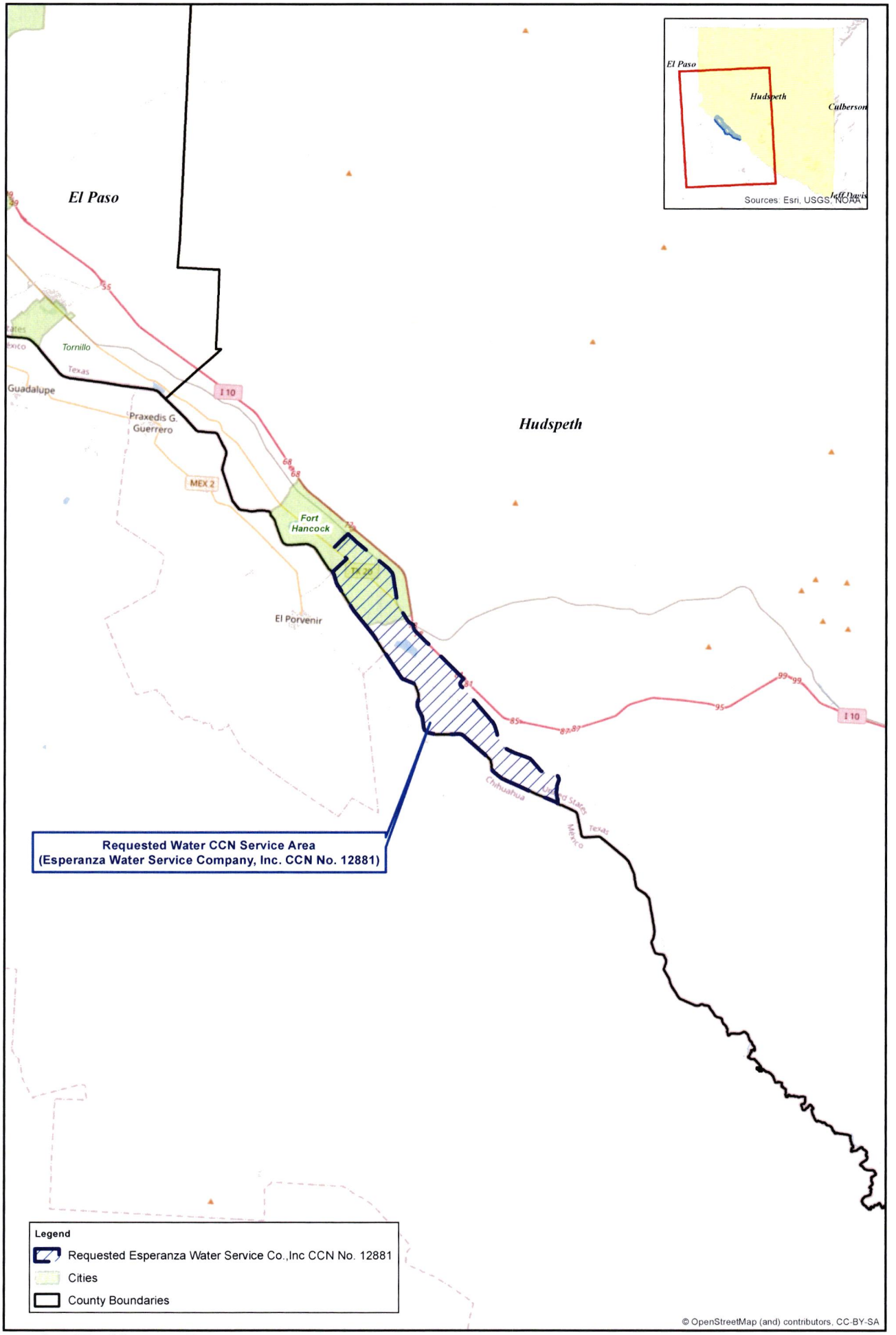
0 0.5 1 2 Miles

Created: 8/3/2020

Background Image: ESRI World Imagery Map

El Paso Water Utilities Public Service Board
Request for Esperanza Water Service Company, Inc Water CCN No. 12881
to be Transferred to El Paso Water Utilities PSB Water CCN No. 10211
DETAIL MAP

Data Source: Requested Water CCN Service Area from Esperanza Water Service Company, Inc. obtained from PUC Mapping Utilities;



0 1.75 3.5 7 Miles

Created: 8/3/2020

Background Image: ESRI Open Street Map

El Paso Water Utilities Public Service Board
Request for Esperanza Water Service Company, Inc Water CCN No. 12881
to be Transferred to El Paso Water Utilities PSB Water CCN No. 10211
GENERAL LOCATION MAP

Data Source: Requested Water CCN Service Area from Esperanza Water Service Company, Inc. obtained from PUC Mapping Utilities;

Attachment 8 – Digital Files for the Supporting Maps

The digital files supporting the maps attached as Attachment 7 were uploaded to the Public Utility Commission's Interchange Filer.