

TCEQ – 20J

Selected RO Membrane Unit Permeate Quality

Site Description:

This site is at the RO membrane train permeate piping, prior to blending with any other RO permeate (RO trains 4 and 6). The analysis that was performed at this site monitored the performance of the RO trains (flux/NDP) and the rejection of contaminants.

Protocol:

TCEQ – 20J Selected RO Membrane Unit Permeate Quality (at selected RO unit permeate piping and prior to blending with other RO units' permeate)									
	5-min	15-min	2-hr	4-hr	1/day	1/day or Δ	2/week	1/week	S/30/E
Flow rate		X							
TDS		X							
Pressure		X							
Temperature			X						
pH level			X						
Maximum daily TDS					X				
Calculated average flux rate					X				
Calculated average net driving pressure					X				
Calculated average specific flux rate normalized to 25 °C					X				
Nitrate					X				X
Nitrite					X				X
<i>E. coli</i>					X				X
<i>Giardia</i>					X				X
<i>Cryptosporidium</i>					X				X
Alkalinity								X	
TOC								X	
DOC								X	
TTHM								X	
HAA5								X	
Bromide								X	
Chemicals listed in 290.106(b) Inorganic chemicals									X
Chemicals listed in 290.107(b) organic chemicals									X
Chemicals listed in 290.108(b)(1) and 290.108(b) and 40 CFR 141.66(d)									X
Chemicals listed in 290.118(b) secondary Chemicals									X
Perchlorate									X
Total culturable viruses									X
Chlorite					X				

Summary Table:

TCEQ – 20J Selected RO Membrane Unit Permeate Quality

	Flow	Conductivity Train 4	Conductivity Train 6	TDS	Max TDS	Calc. average Flux	Calc. average NDP	Calc. average specific flux @ 20	Nitrate	Nitrite	<i>E. coli</i>	<i>Giardia</i>
Units	gpm	us/cm	us/cm	ppm	ppm	gfd		gfd	ppm	ppm	MPN	Cysts/L
Min	0	0	0	0	12	2.02	129.3	0.02	0.05	0.01	0	0
Max	2	618	13	414	414	14.90	244.5	0.17	5.84	0.24	0	0
Avg	2	23	6	16	47	12.73	195.0	0.10	1.23	0.11	0	0
95th %	2	29	12	19	129	14.90	239.8	0.15	4.61	0.19	0	0
n	4176	4176	4176	4176	44	44	44	44	44	44	44	44

	<i>Cryptosporidium</i>	Chlorite	Alkalinity	TOC	DOC on-site	DOC off-site	TTHM	HAA5	Bromide	<i>E. coli</i> off-site	<i>Giardia</i> off-site	<i>Cryptosporidium</i> off-site
Units	Oocysts/L	ppm	ppm	ppm	ppm	ppm	ug/L	ug/L	ppm	MPN	Cysts/L	Oocysts/L
Min	0	0	1	0.1	0.0	0.0	4.4	0.0	0.01	0	0	0
Max	0	0	21	0.2	0.2	0.0	10.1	0.0	0.04	0	0	0
Avg	0	0	9	0.2	0.1	0.0	7.3	0.0	0.02	0	0	0
95th %	0	0	18	0.2	0.2	0.0	10.0	0.0	0.04	0	0	0
n	44	44	44	6	6	7	7	7	7	3	3	3

	TCV off-site	Perchlorate	Antimony	Arsenic	Asbestos	Barium	Beryllium	Cadmium	Chromium	Cyanide	Fluoride	Lead
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ppm	ug/L
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Avg	0	0	0	0	0	0	0	0	0	0	0	0
95th %	0	0	0	0	0	0	0	0	0	0	0	0
n	1	3	3	3	3	3	3	3	3	3	3	3

	Mercury	Nitrate as Nitrogen	Nitrite as Nitrogen	Nitrate & Nitrite (Total)	Selenium	Thallium	Alachlor	Atrazine	Benzopyrene	Carbofuran	Chlordane	Dalapon
Units	ug/L	ppm	ppm	ppm	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Min	0	0.88	0	0.88	0	0	0	0	0	0	0	0
Max	0	1.40	0	14.00	0	0	0	0	0	0	0	0
Avg	0	1.06	0	5.26	0	0	0	0	0	0	0	0
95th %	0	1.35	0	12.69	0	0	0	0	0	0	0	0
n	3	3	3	3	3	3	3	3	3	3	3	3

	Dibromochloropropane	Di(2-ethylhexyl)adipate	Di(2-ethylhexyl)phthalate	Dinoseb	Diquat	Endothall	Endrin	Ethylene Dibromide	Glyphosate	Heptachlor	Heptachlor epoxide	Hexachlorobenzene
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Avg	0	0	0	0	0	0	0	0	0	0	0	0
95th %	0	0	0	0	0	0	0	0	0	0	0	0
n	3	3	3	3	3	3	3	3	3	3	3	3

	Hexachlorocyclopentadiene	Lindane	Methoxychlor	Oxamyl (Vydate)	Pentachlorophenol	Picloram	Polychlorinated biphenyls (PCB)	Simazine	Toxaphene	2,3,7,8-TCDD (Dioxin)	2,4,5-TP	2,4-D
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Avg	0	0	0	0	0	0	0	0	0	0	0	0
95th %	0	0	0	0	0	0	0	0	0	0	0	0
n	3	3	3	3	3	3	3	3	3	3	3	3

	1,1-Dichloroethylene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	1,2,4-Trichlorobenzene	Benzene	Carbon tetrachloride	cis-1,2-Dichloroethylene	Dichloromethane	Ethylbenzene	Monochlorobenzene
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Avg	0	0	0	0	0	0	0	0	0	0	0	0
95th %	0	0	0	0	0	0	0	0	0	0	0	0
n	3	3	3	3	3	3	3	3	3	3	3	3

	o-Dichlorobenzene	para-Dichlorobenzene	Styrene	Tetrachloroethylene	Toluene	trans-1,2-Dichloroethylene	Trichloroethylene	Vinyl chloride	Xylenes (total)	Aluminum	Chloride	Color
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ppm	
Min	0	0	0	0	0	0	0	0	0	0	2.6	0
Max	0	0	0	0	0	0	0	0	0	0	7.3	0
Avg	0	0	0	0	0	0	0	0	0	0	4.6	0
95th %	0	0	0	0	0	0	0	0	0	0	7.0	0
n	3	3	3	3	3	3	3	3	3	3	3	3

	Copper	Corrosivity	Foaming agents	Hydrogen sulfide	Iron	Manganese	Odor	pH	Silver	Sulfate	Radium 226	Radium 228
Units	ug/L		ppm	ug/L	ppm	ug/L			ug/L	ppm	pCi/L	pCi/L
Min	0	6.4	0	0	0	0	0	5.2	0	0	0.00	0
Max	0	6.9	0	0	0	0	2	5.7	0	0	0.13	0
Avg	0	6.7	0	0	0	0	1	5.4	0	0	0.07	0
95th %	0	6.9	0	0	0	0	2	5.7	0	0	0.12	0
n	3	3	3	3	3	3	3	3	3	3	2	2

	Uranium	Gross Alpha Activity	Gross Beta Particle Activity	Tritium	Strontium 90	TDS	Zinc	Perm. PSI
Units	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	ppm	ug/L	psi
Min	0	0	0	0	0	0.00	0	0
Max	0	0	0	0	0	414.13	0	215
Avg	0	0	0	0	0	15.64	0	12
95th %	0	0	0	0	0	19.43	0	12
n	2	2	2	2	2	3	3	4176

Calculations:

$$\text{NDP} = [((P_f + P_c)/2) - (P_p)] - [(((TDS_f + TDS_c)/2) - TDS_p) * 0.01 \text{ psi/mg/L}]$$

Where:

P_f = feed pressure (psi)

P_c = concentrate pressure (psi)

P_p = permeate pressure (psi)

TDS_f = feed total dissolved solids (mg/L)

TDS_c = concentrate total dissolved solids (mg/L)

TDS_p = permeate total dissolved solids (mg/L)

MFGM equation 2.17

$$\text{TCF} = \exp[U * (1/(T+273)) - (1/298)]$$

Where:

T = water temperature

U = 2700 (membrane specific manufacturer supplied constant)

MFGM equation 2.19

Total flux = flow rate divided by 100800 (square feet of membrane in first stage)

Normalized flux @ 25°C = actual flux divided by TCF

MFGM equation 2.2

Temperature and pressure-normalized flux = Normalized flux @ 25°C divided by NDP

MFGM equation 2.21

Conclusions:

The Reverse Osmosis units performed extremely well at removing/reducing constituents. The water produced by the RO met all Primary and Secondary Drinking Water standards, not taking into consideration CT credits.

§ 290.106 (b) Inorganic Contaminants & Metals

All Inorganics and Metals, with the exception of Nitrite and Nitrate, were found to be below the detection limits of laboratory equipment. The Nitrite and Nitrate were both reduced to a level in the RO Permeate that was significantly below the 1.0 ppm & 10.0 ppm MCL's, respectively.

§ 290.107 (b) Organic Contaminants

All Organics, with the exception of Total Trihalomethanes, were found to be below the detection limits of laboratory equipment. The Total Trihalomethanes were reduced to a level in the RO Permeate that was significantly below the 80 ppb MCL.

§ 290.108 (b)(1), § 290.108 (b)(2) & 40 CFR § 141.66 (d) Radionuclides

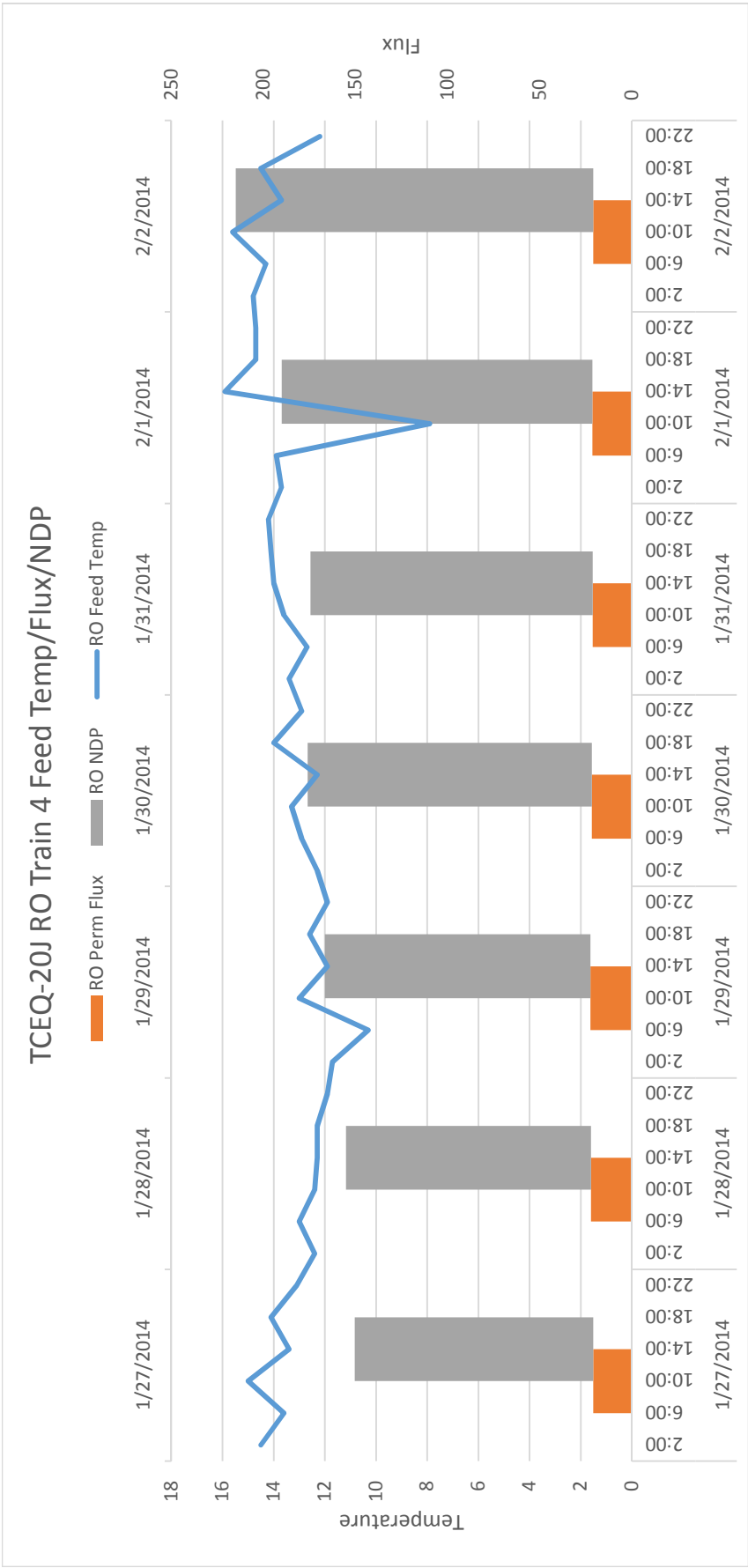
All Radionuclides, with the exception of Radium-226, were below the detection limits of the laboratory equipment. The Radium-226 was found to be at a level in the RO Permeate that was significantly below the 5 pCi/L MCL for combined Radium-226 & Radium-228.

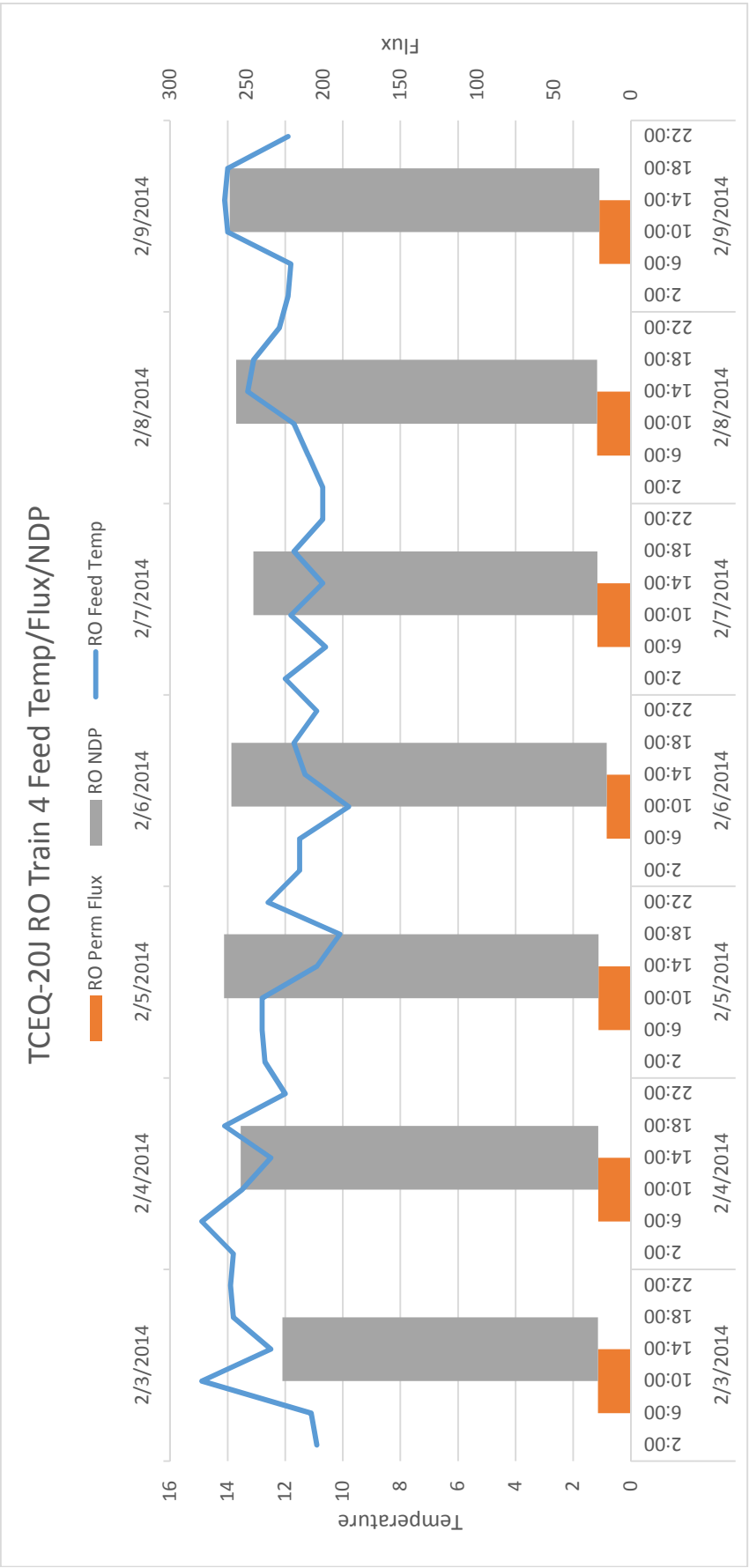
§ 290.118 (b) Secondary Contaminants

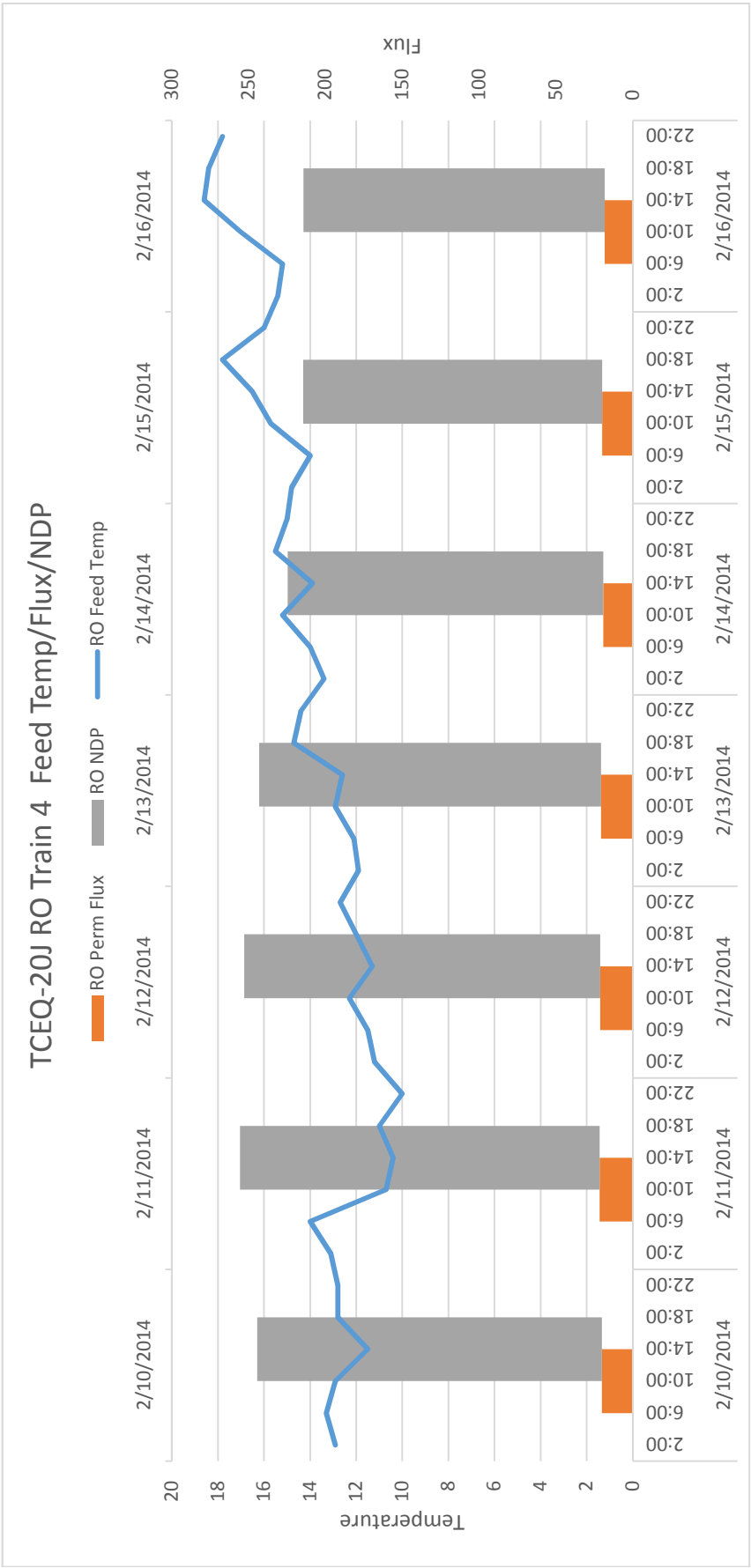
All of the Secondary Constituents were found to be significantly below the MCL's.

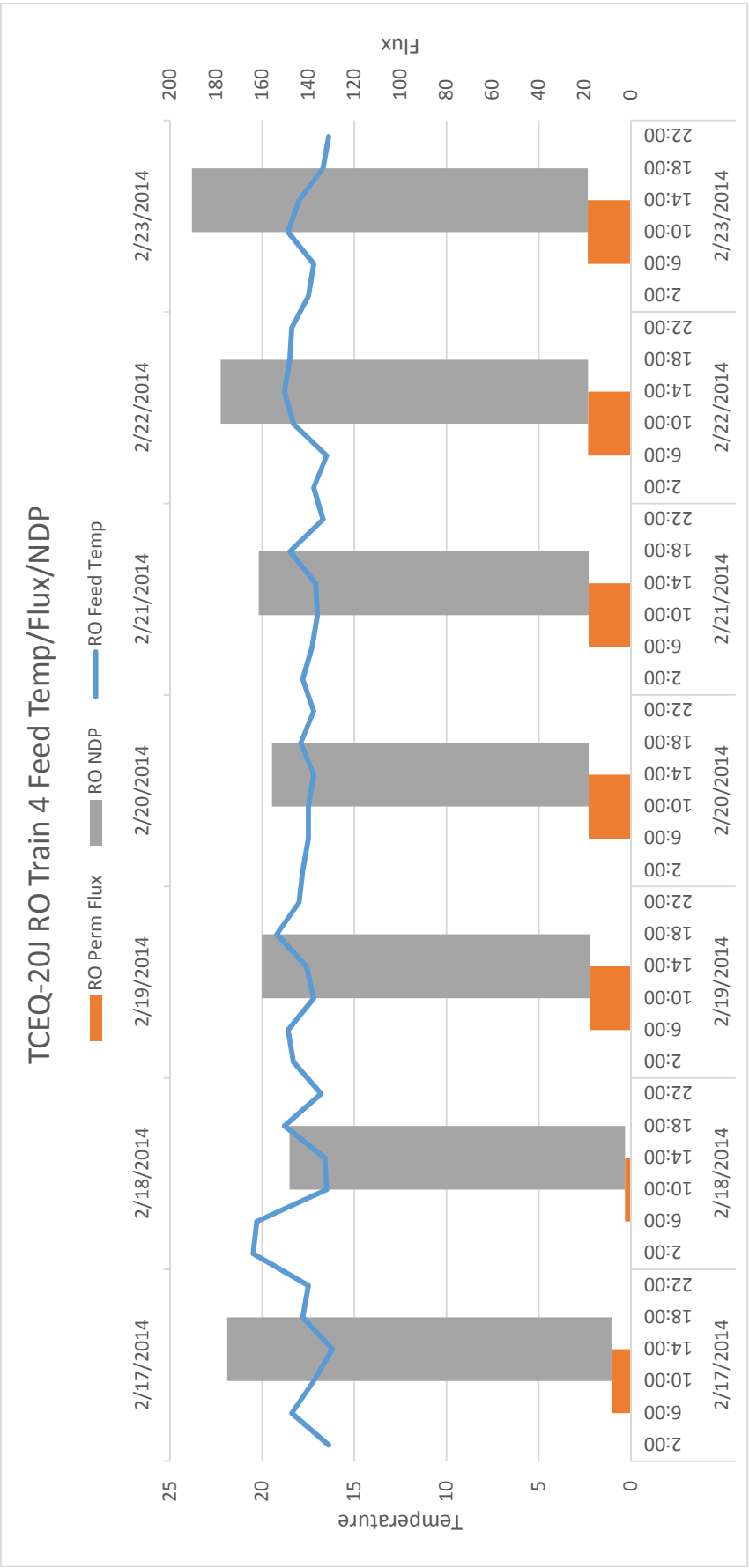
Microbiologicals

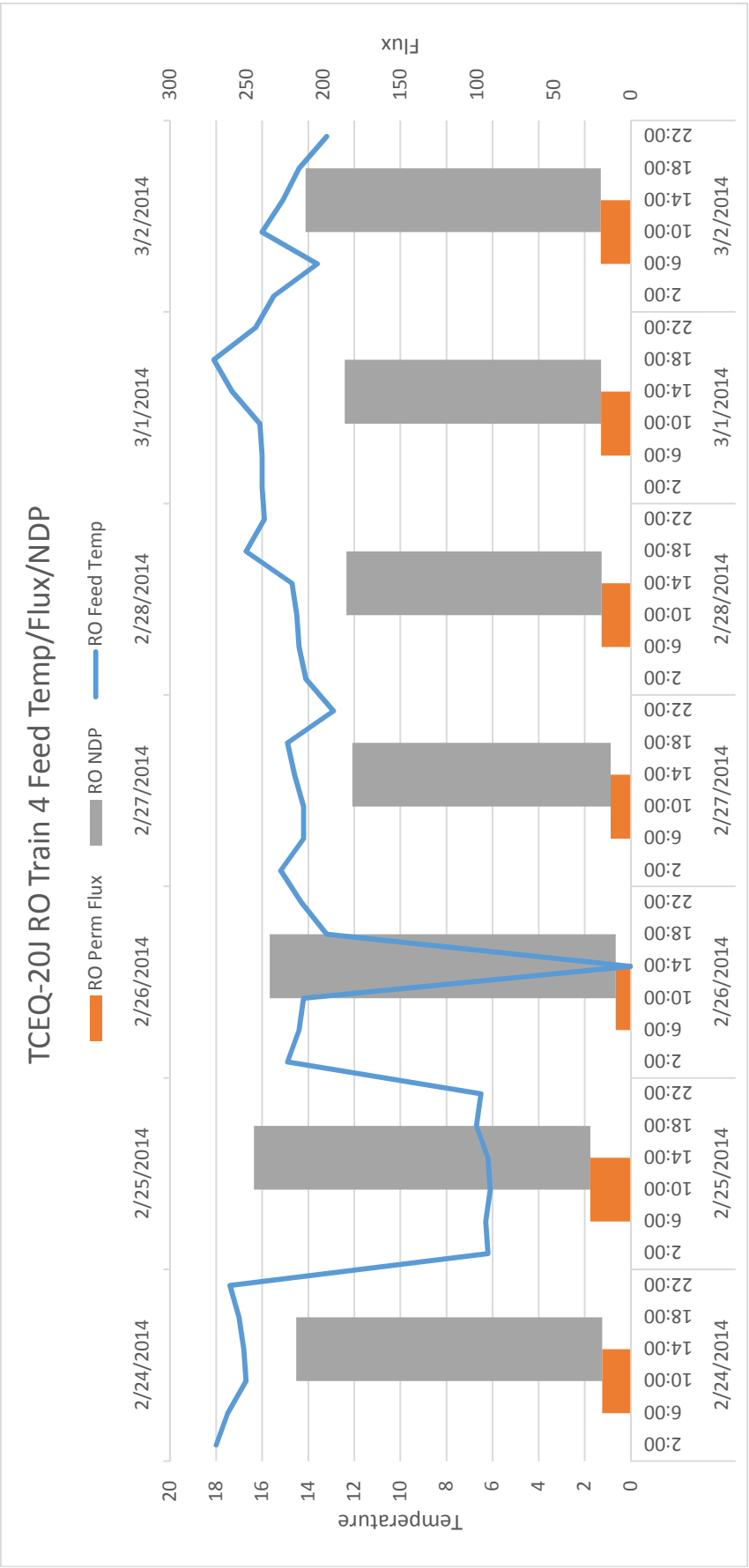
All of the Microbiologicals were below the detection limits of the laboratory equipment.

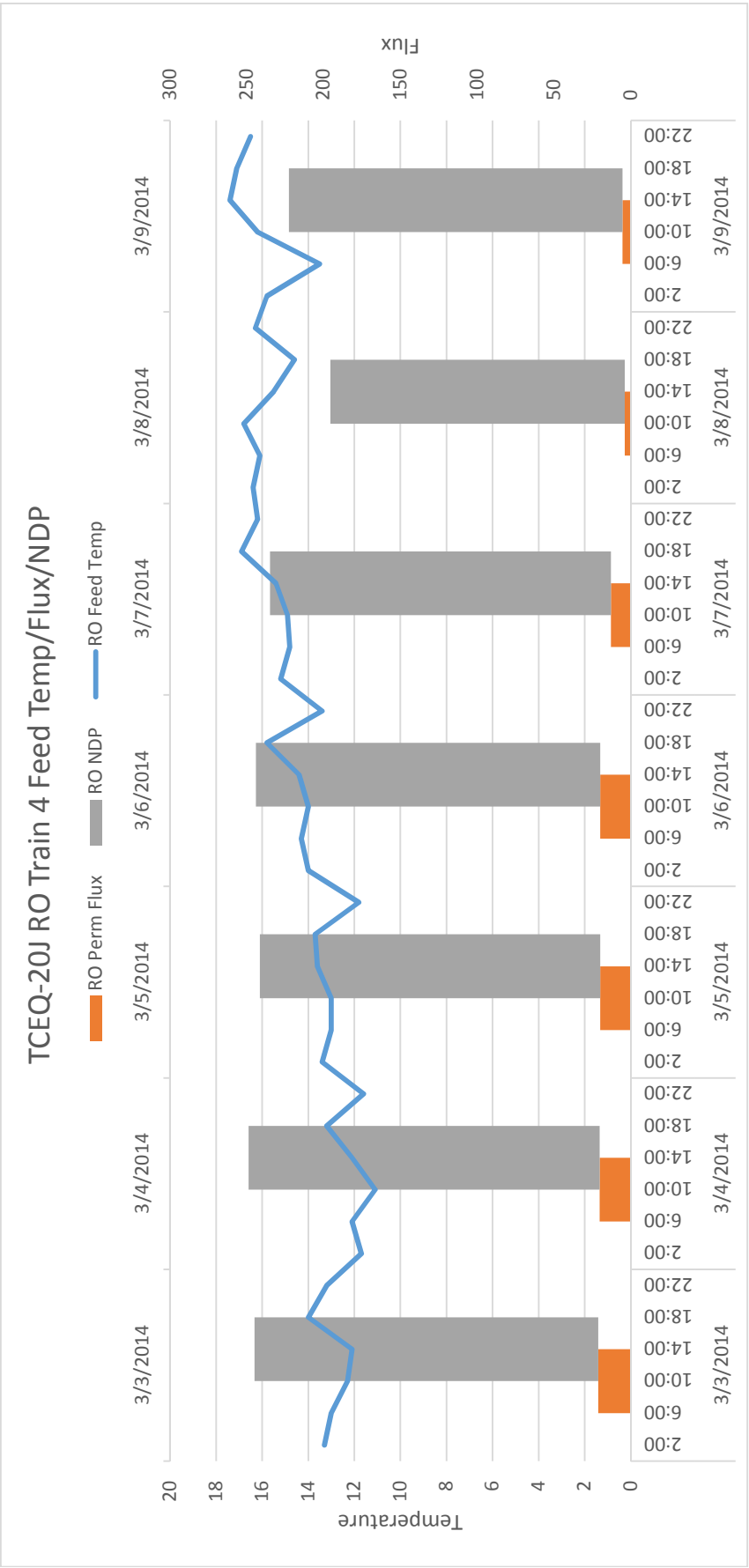


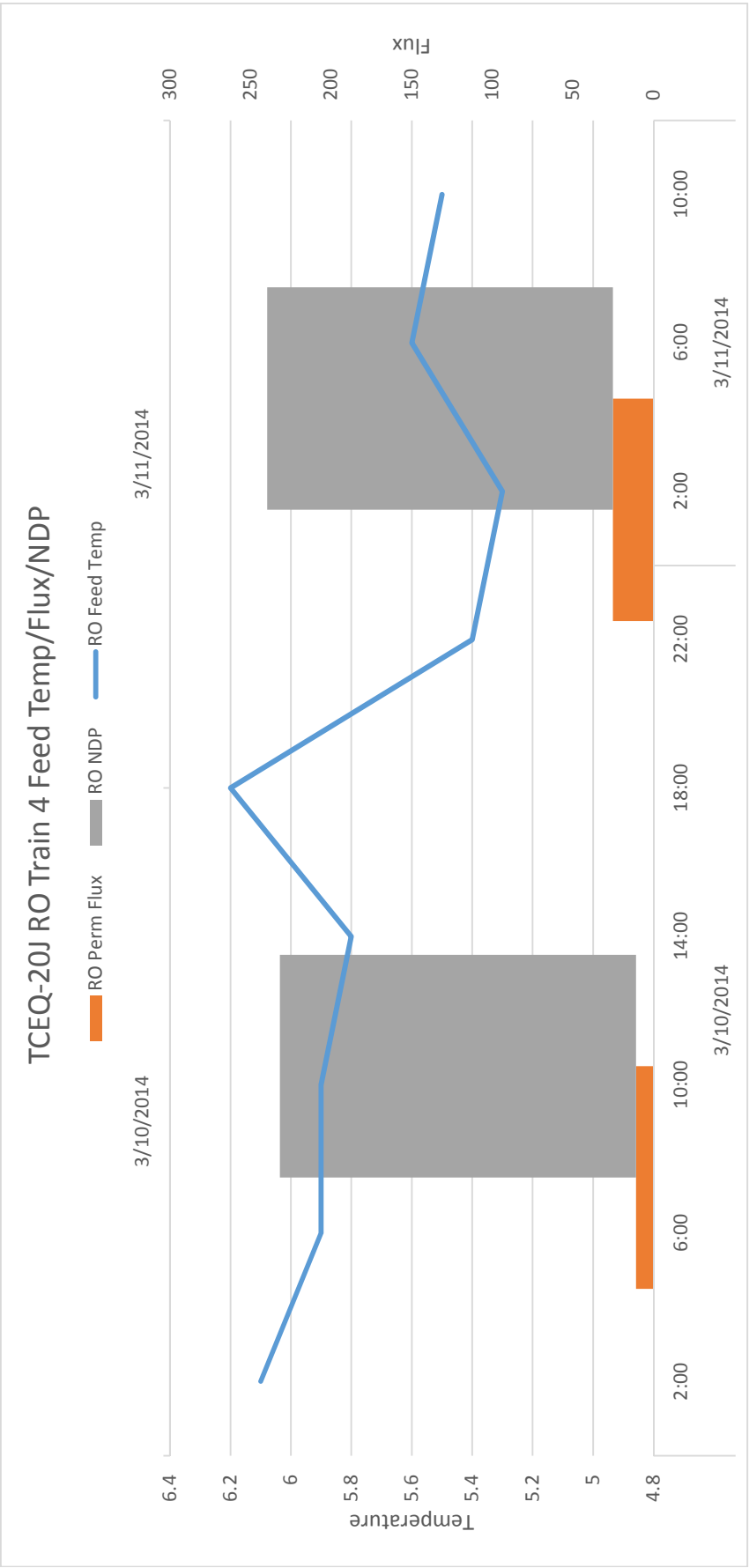


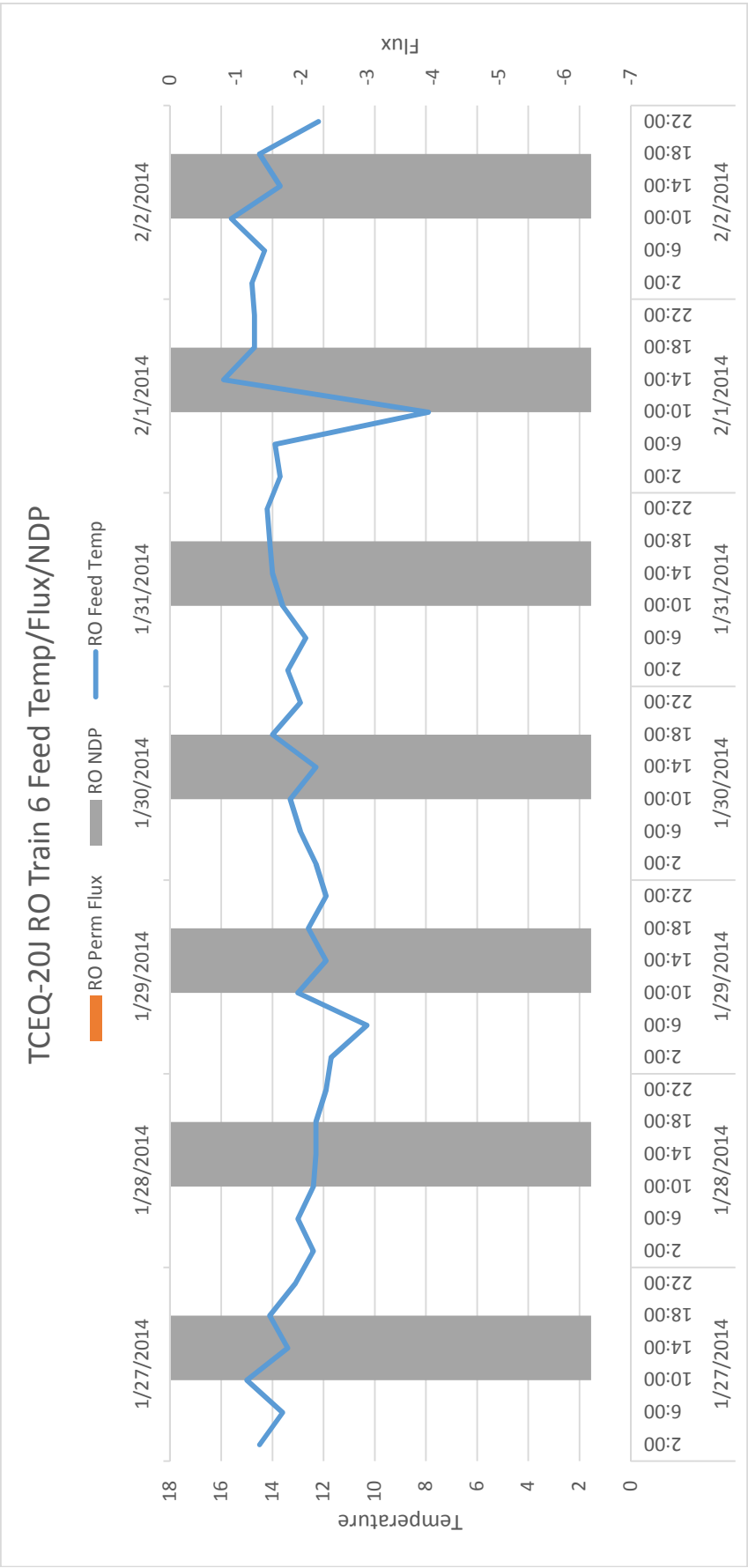


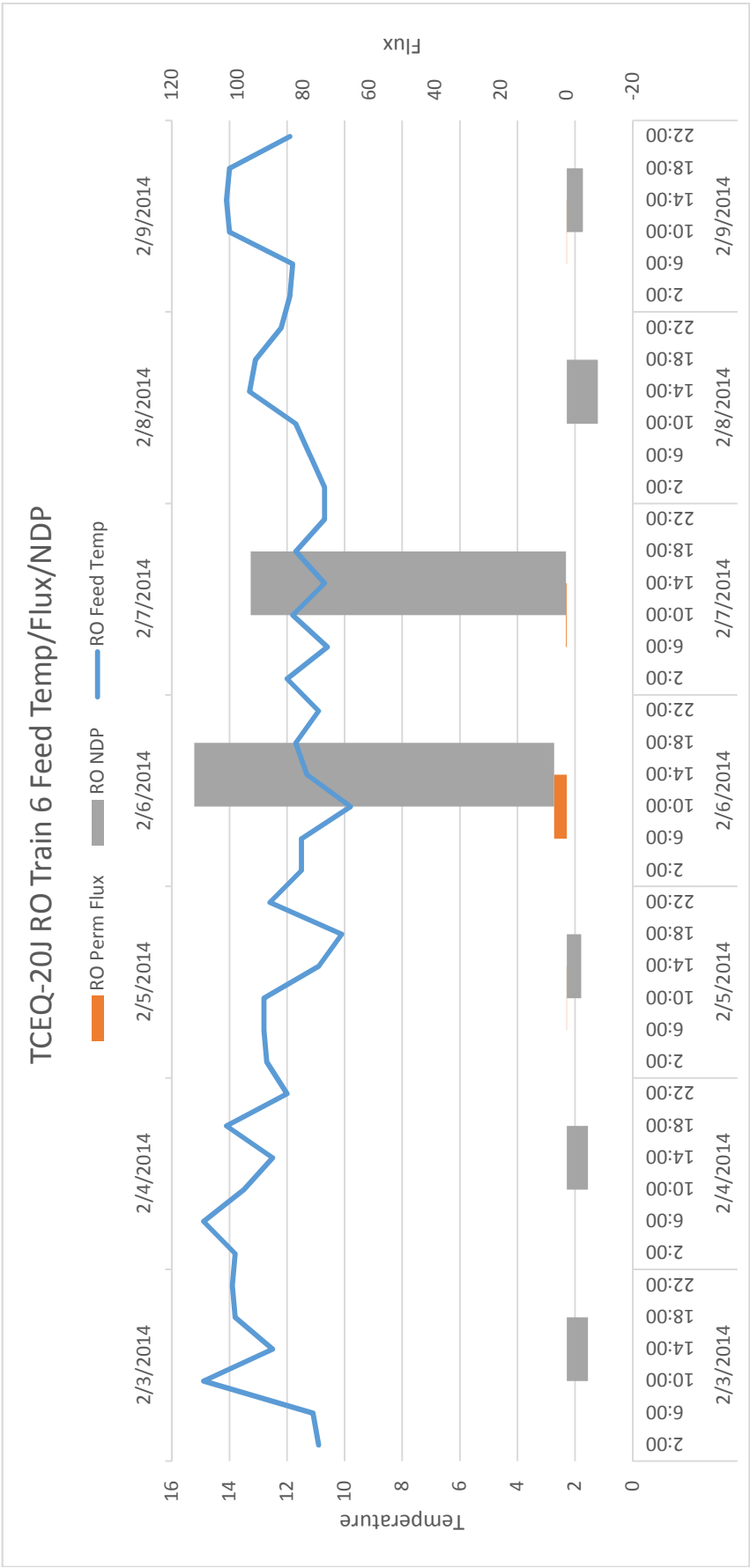


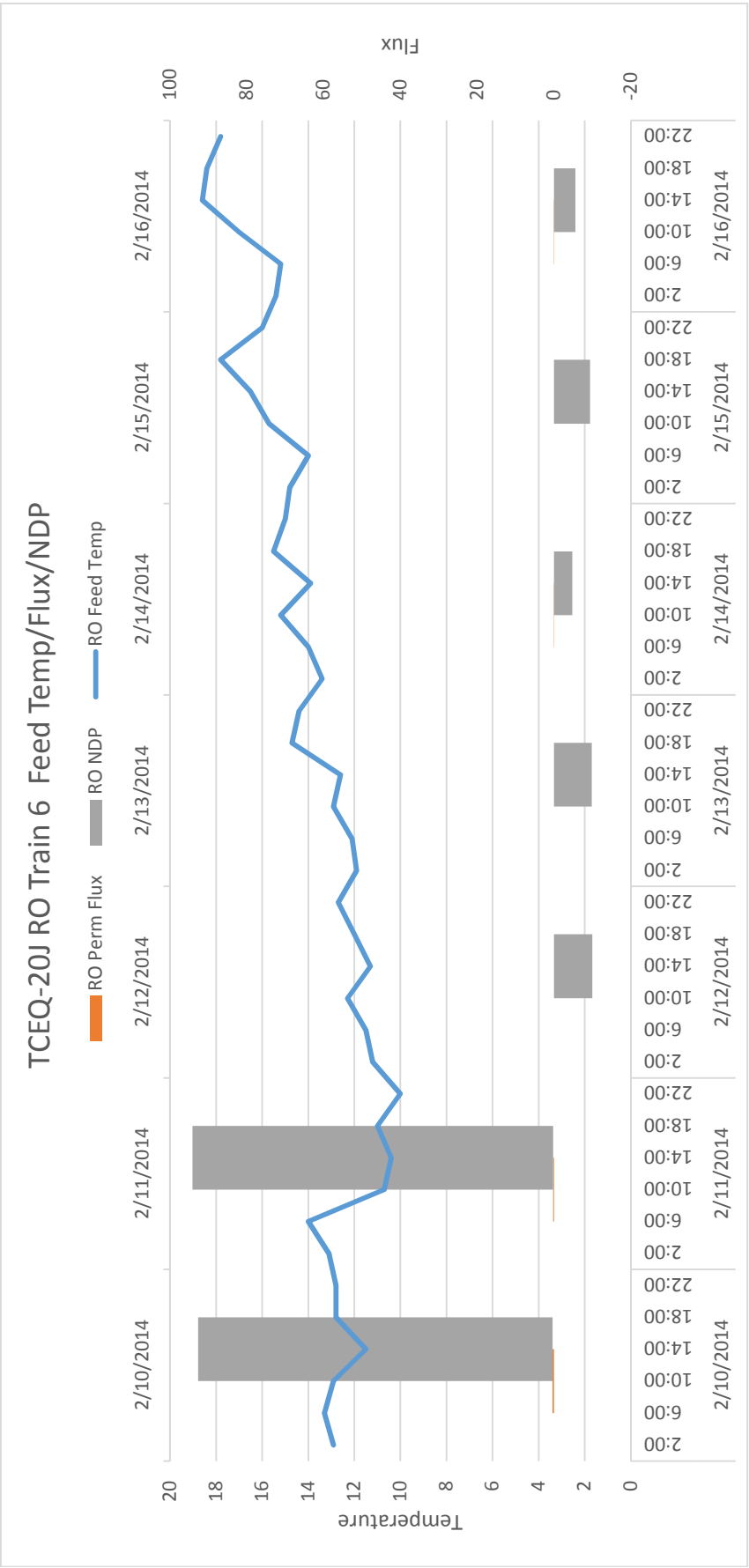


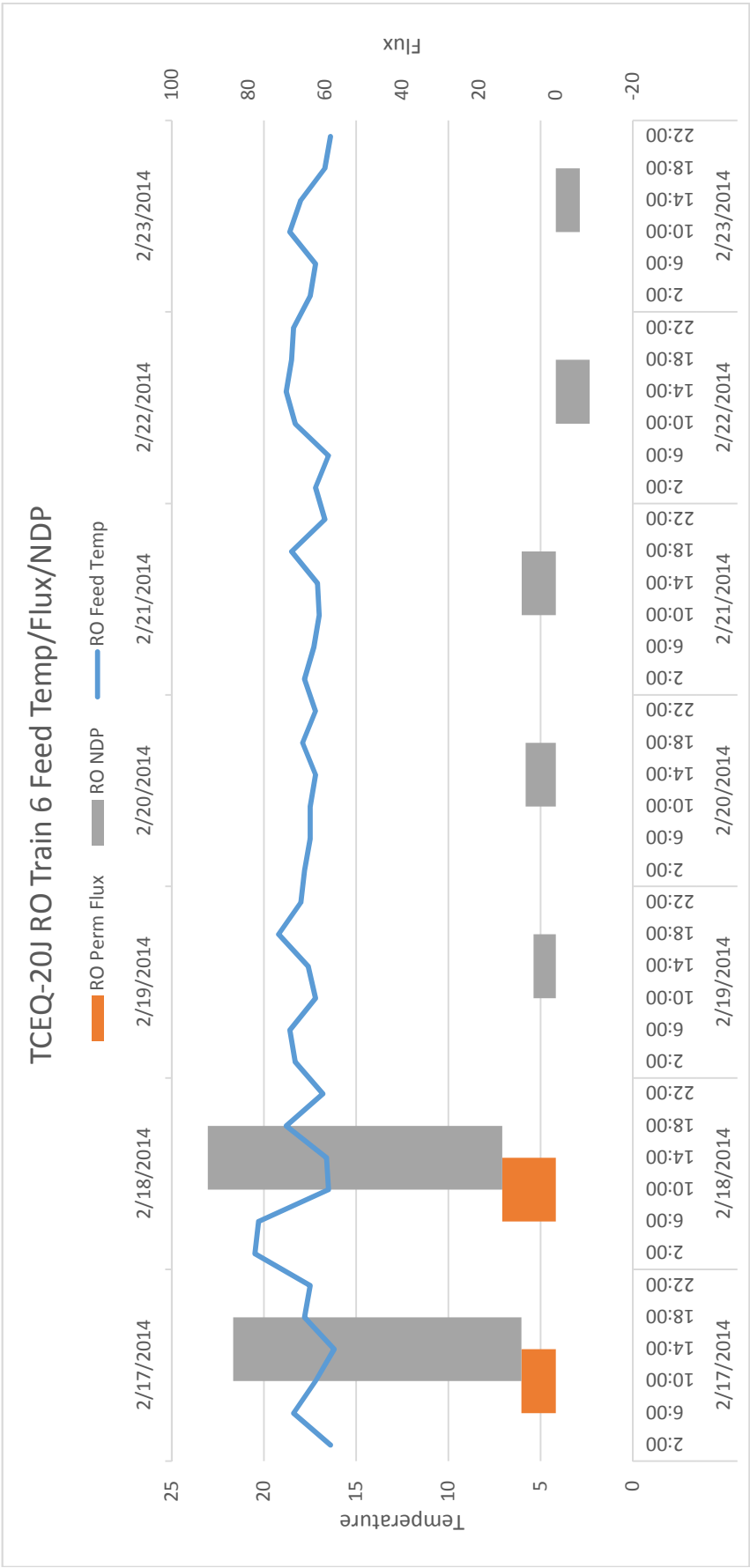


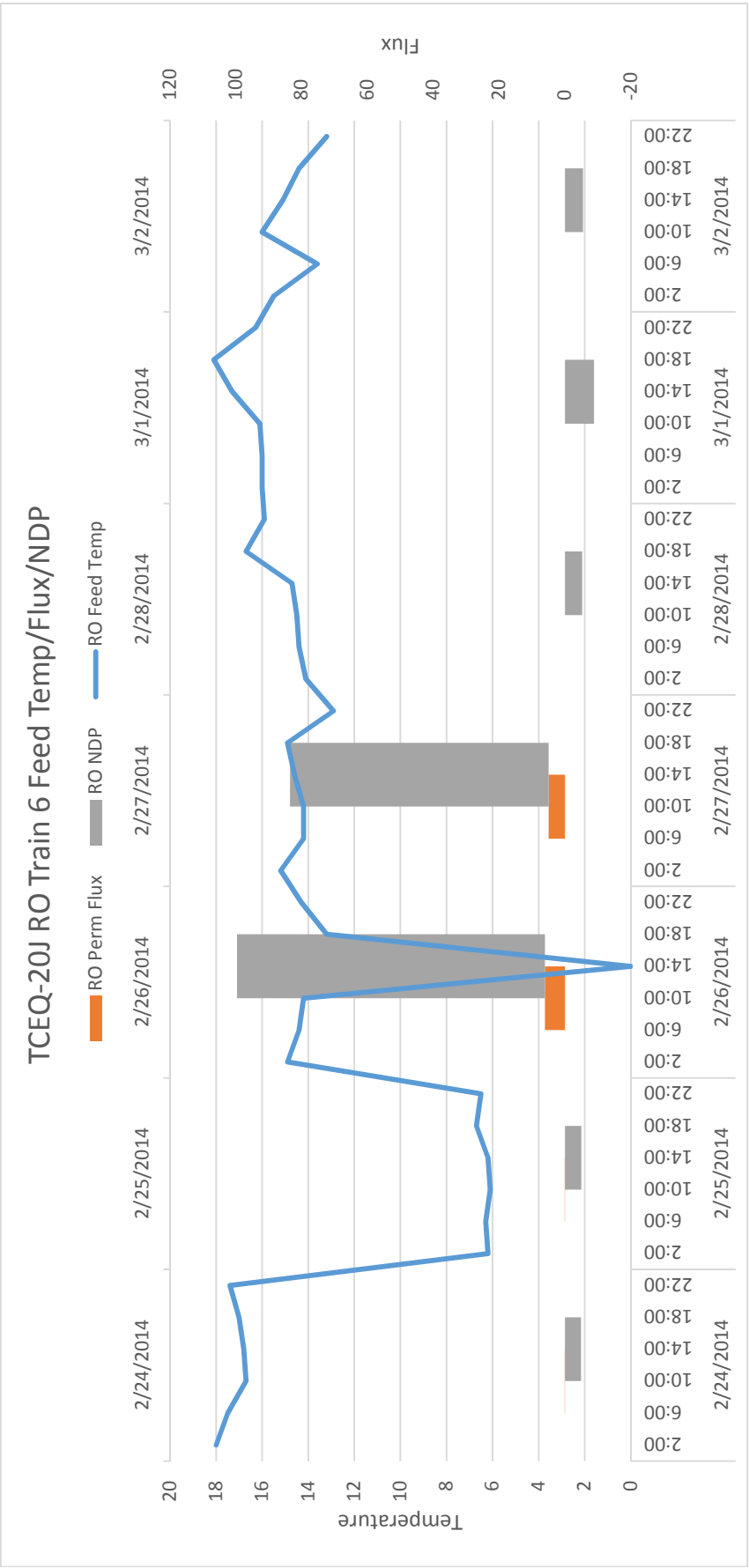


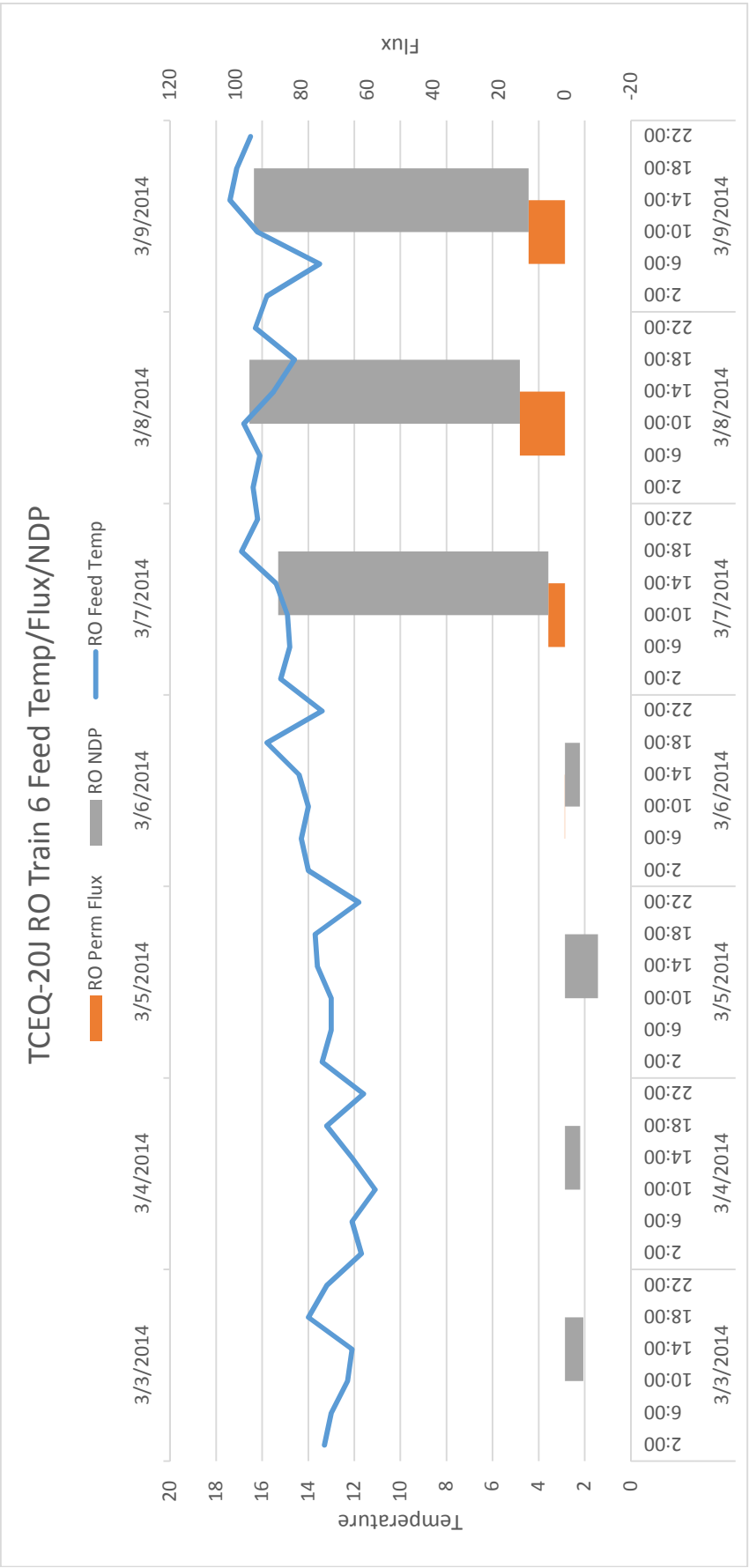


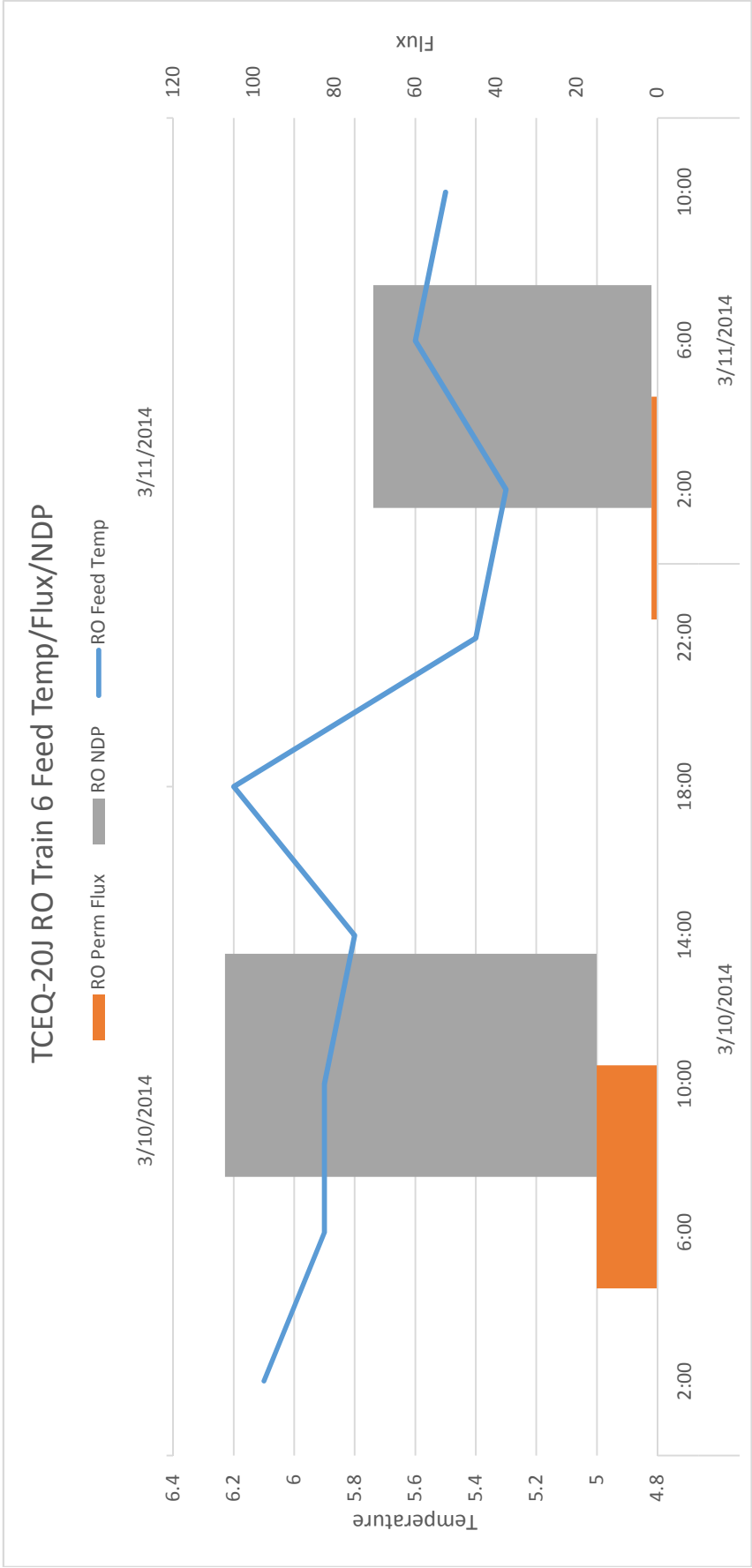




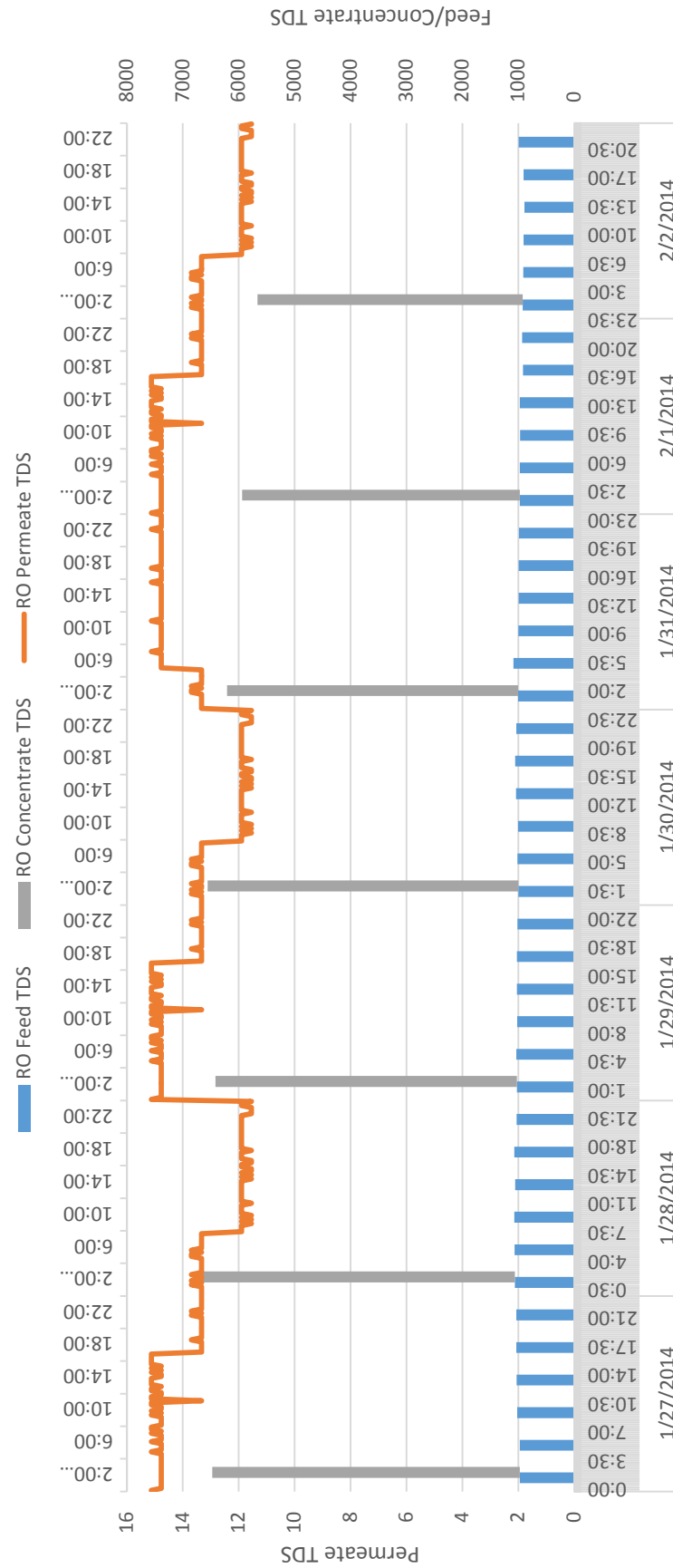




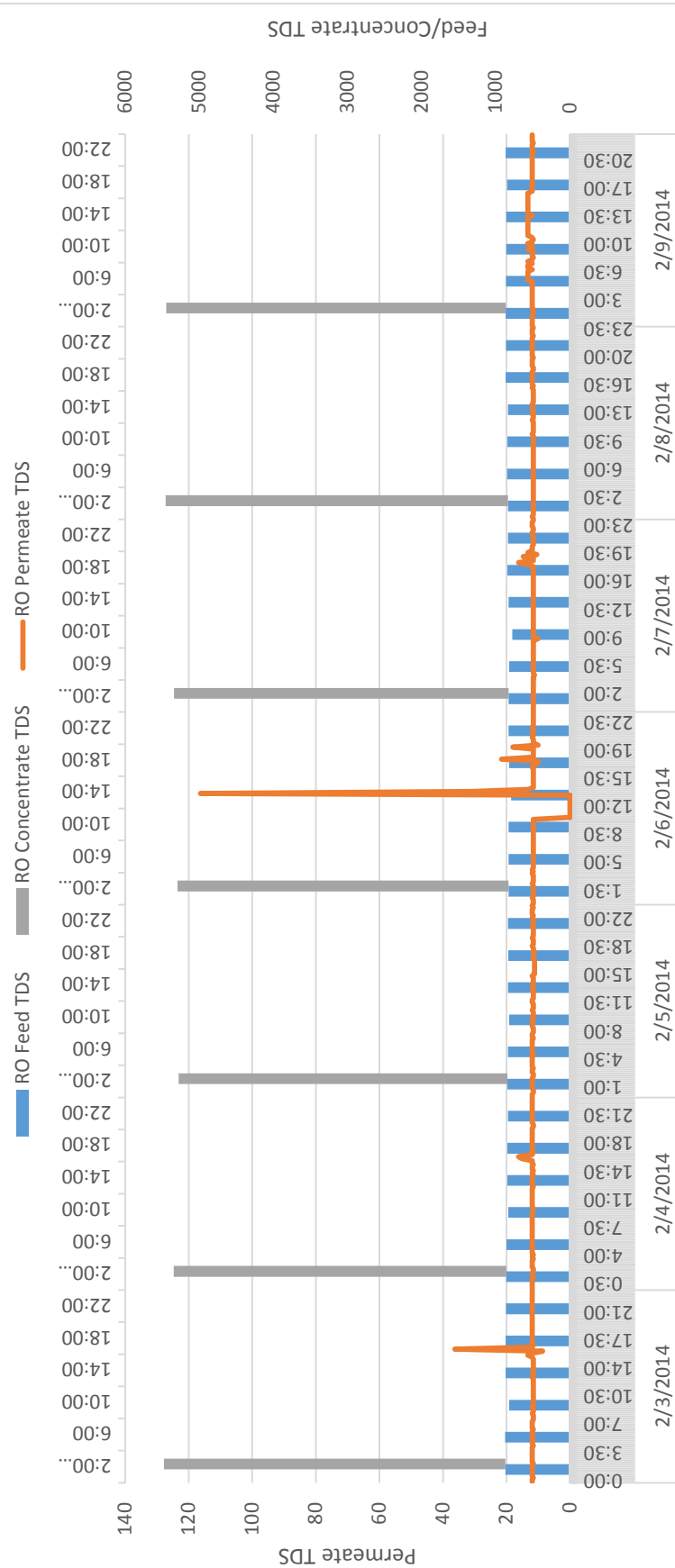


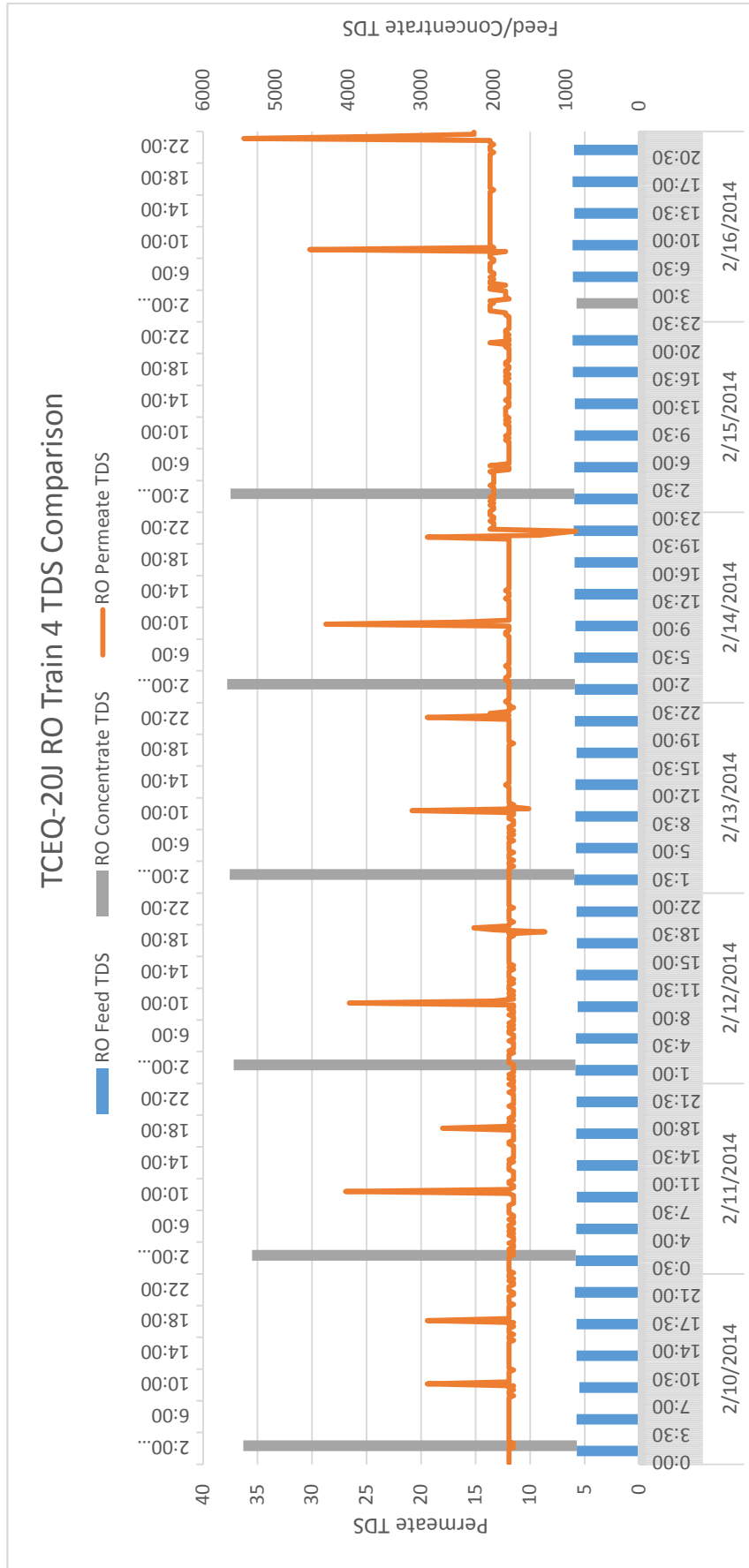


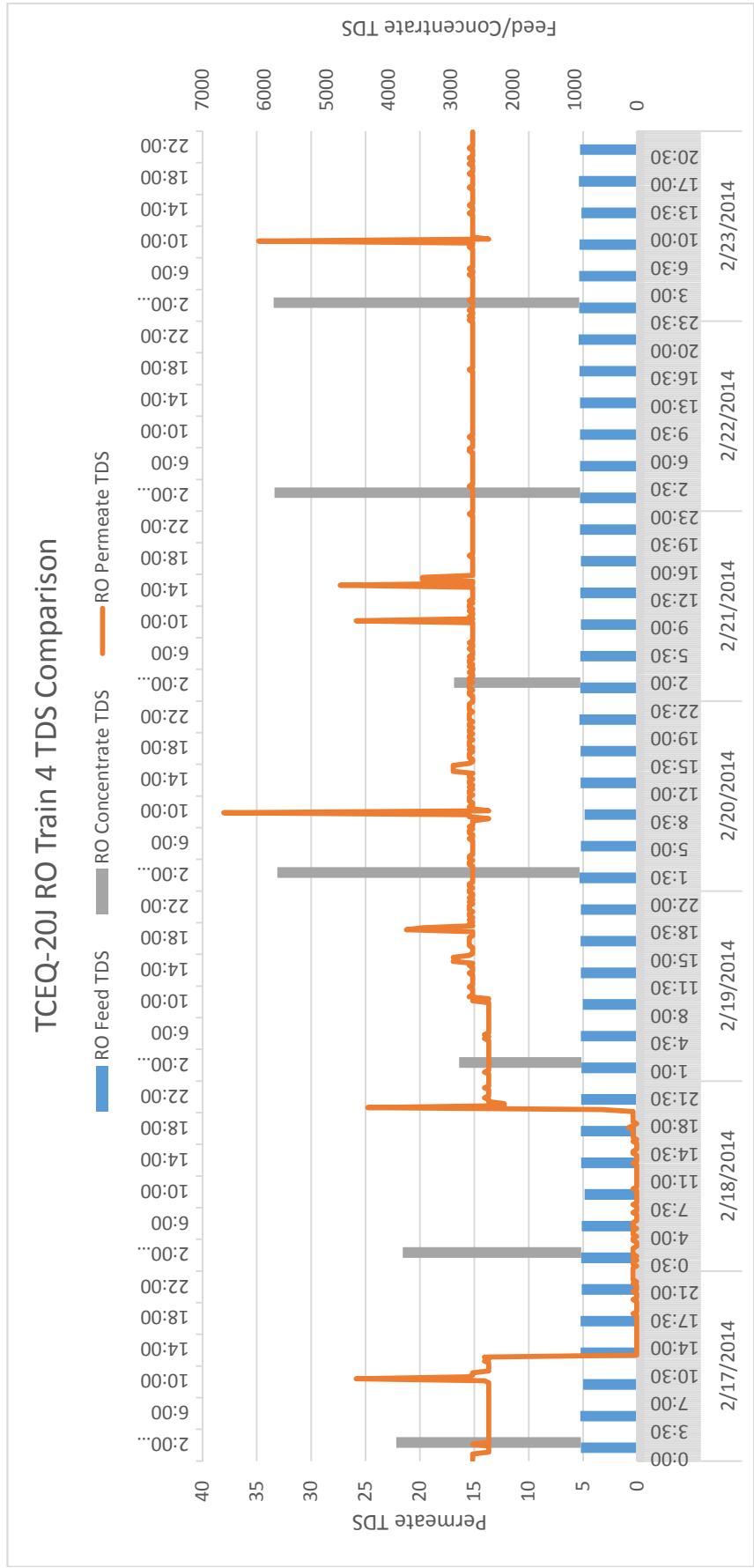
TCEQ-20J RO Train 4 TDS Comparison



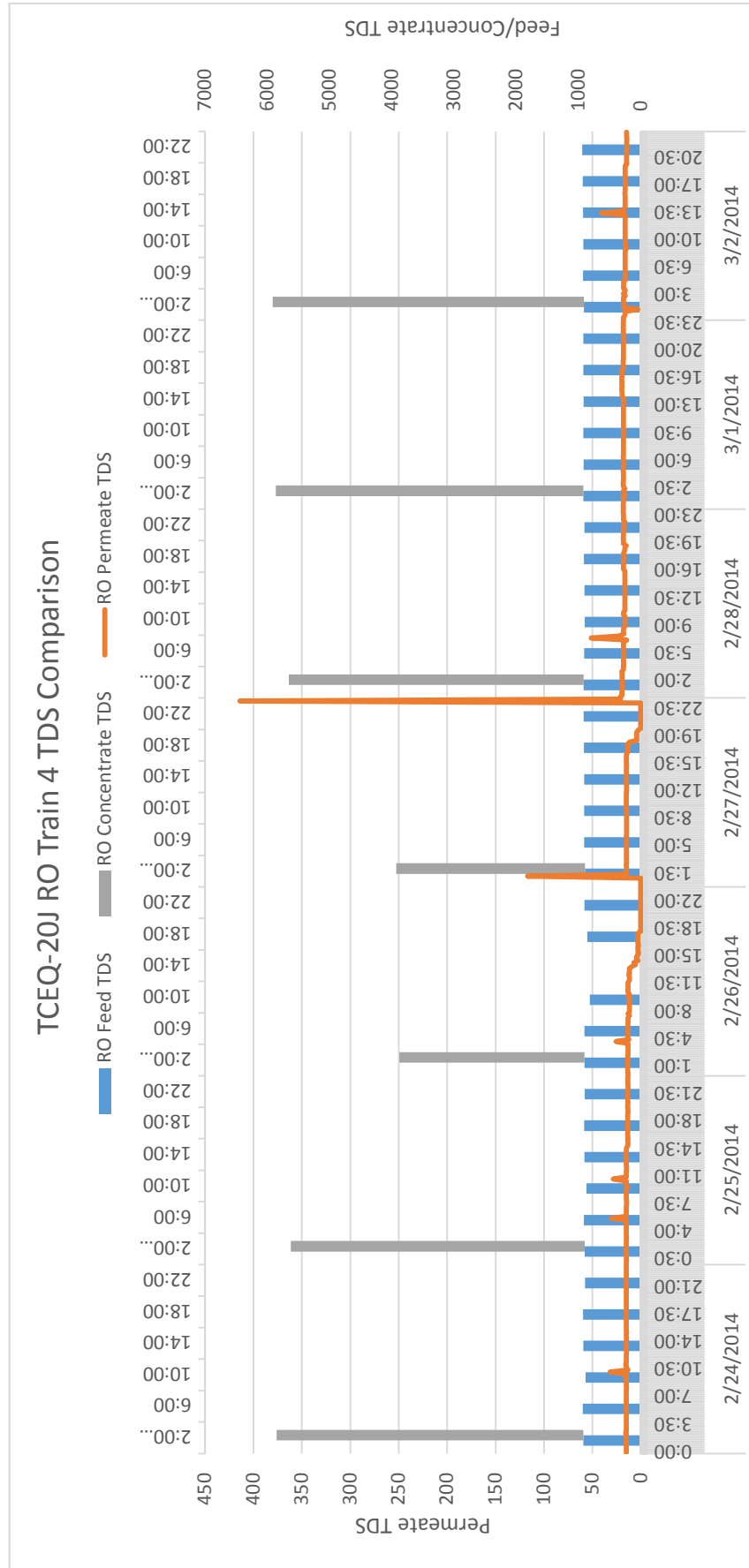
TCEQ-20J RO Train 4 TDS Comparison



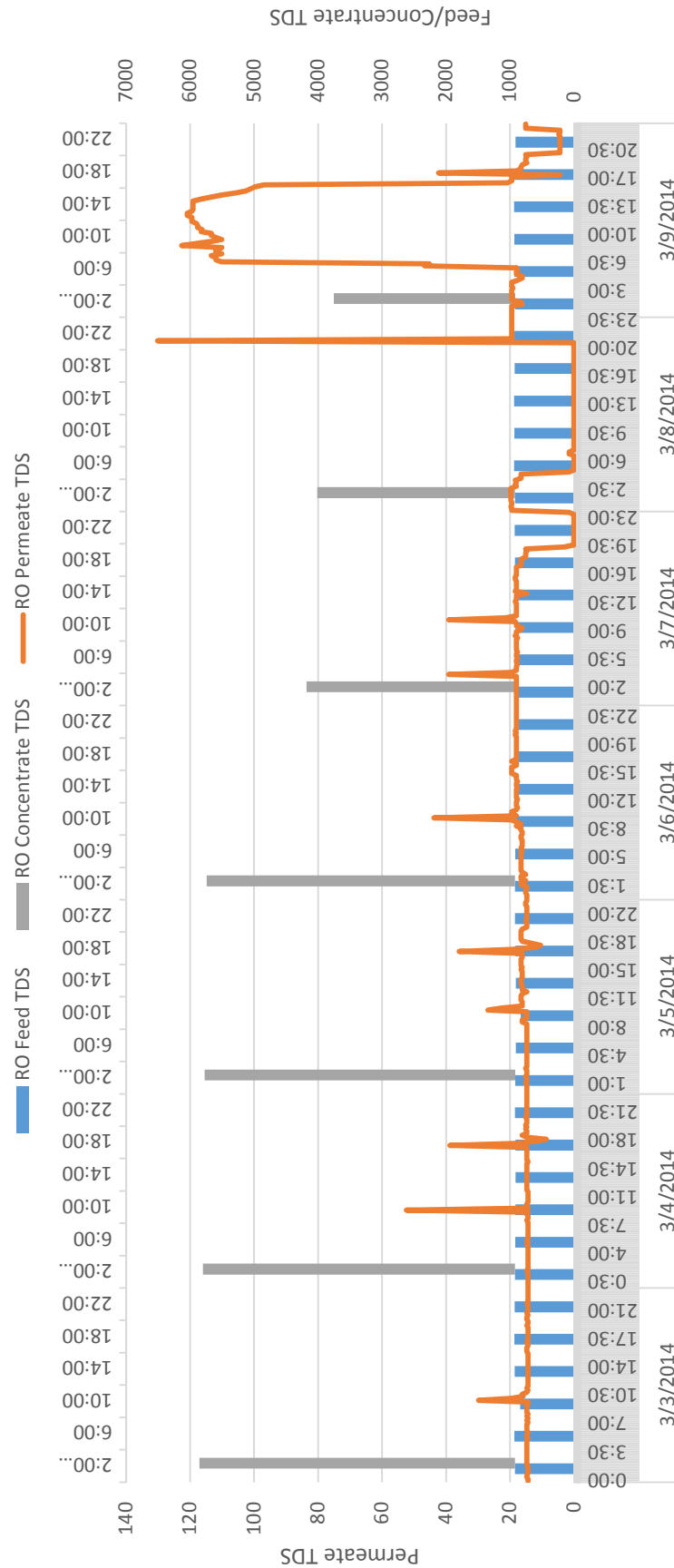


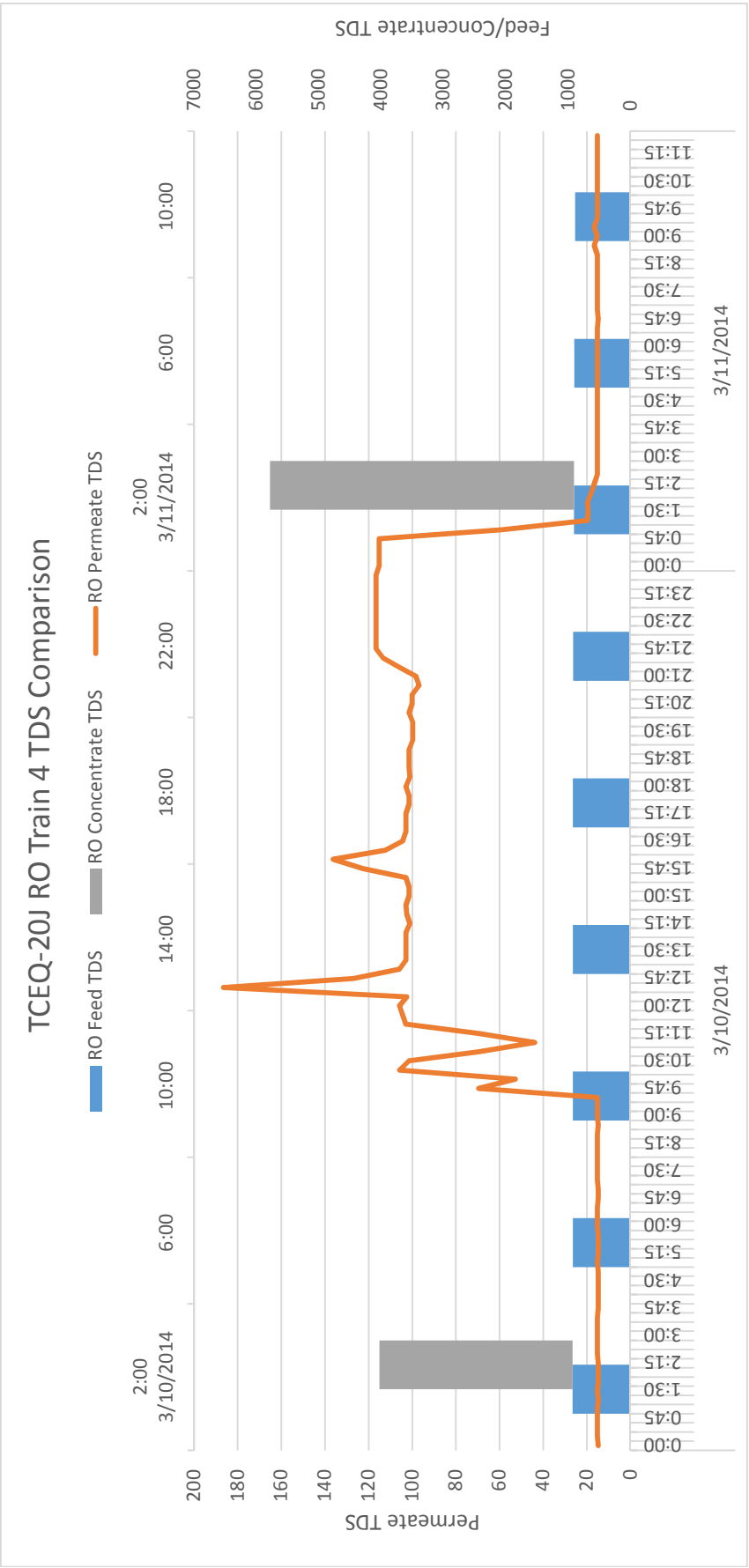


TCEQ-20J RO Train 4 TDS Comparison

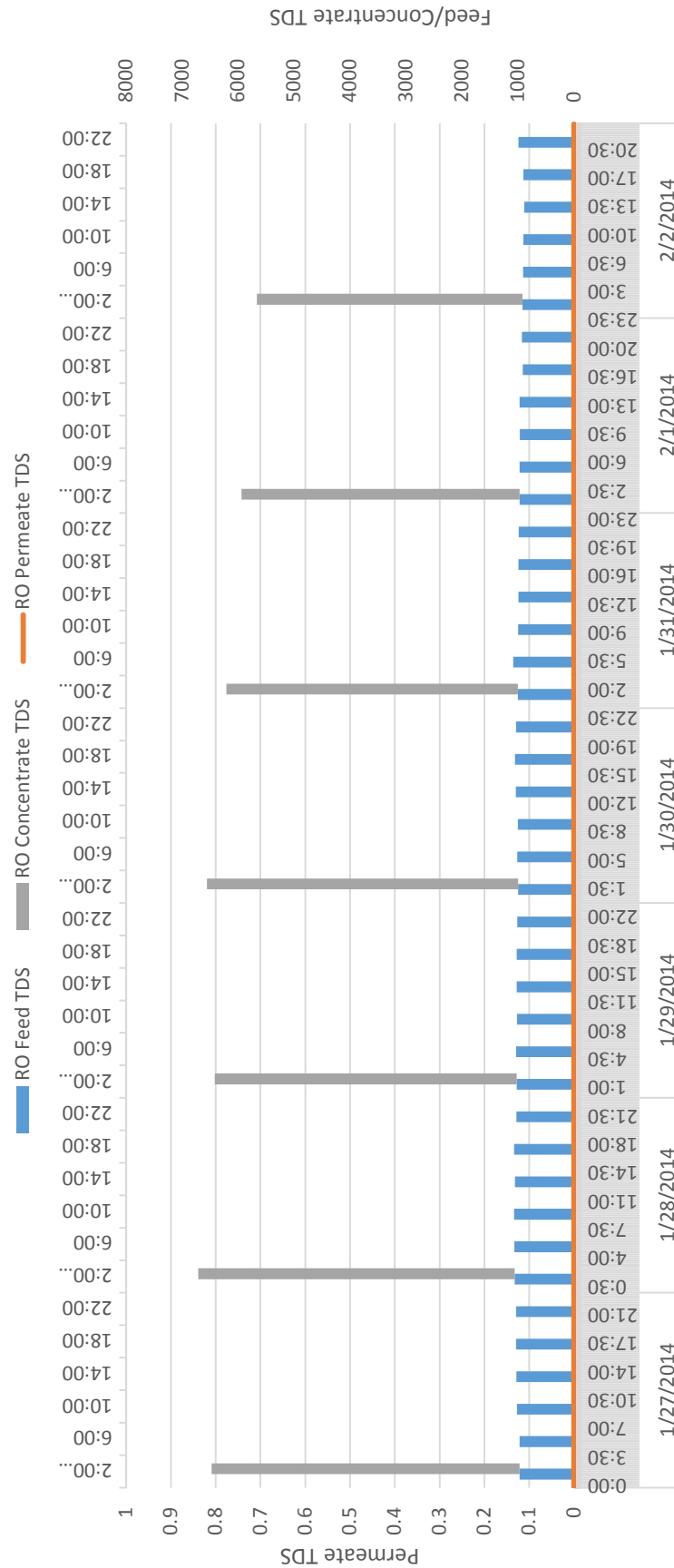


TCEQ-20J RO Train 4 TDS Comparison

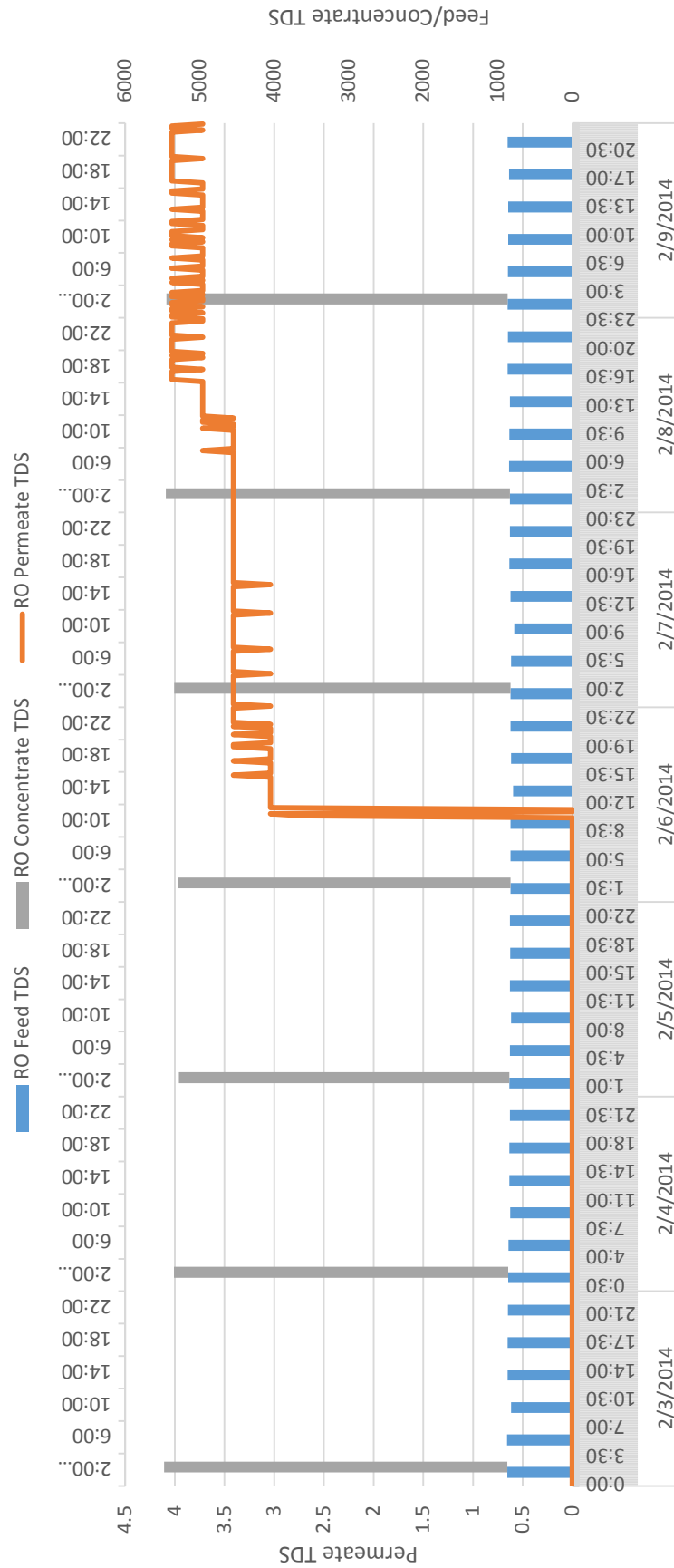


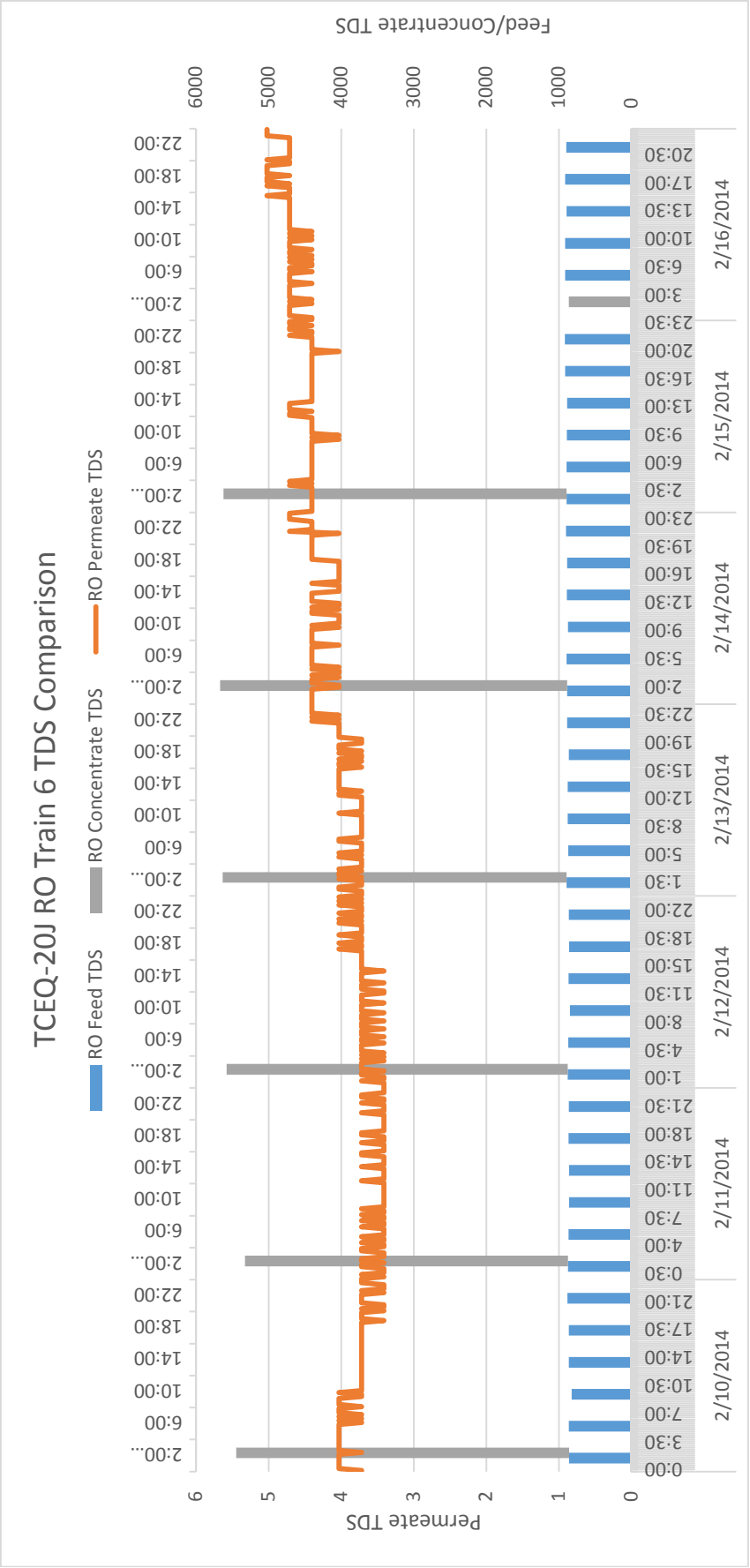


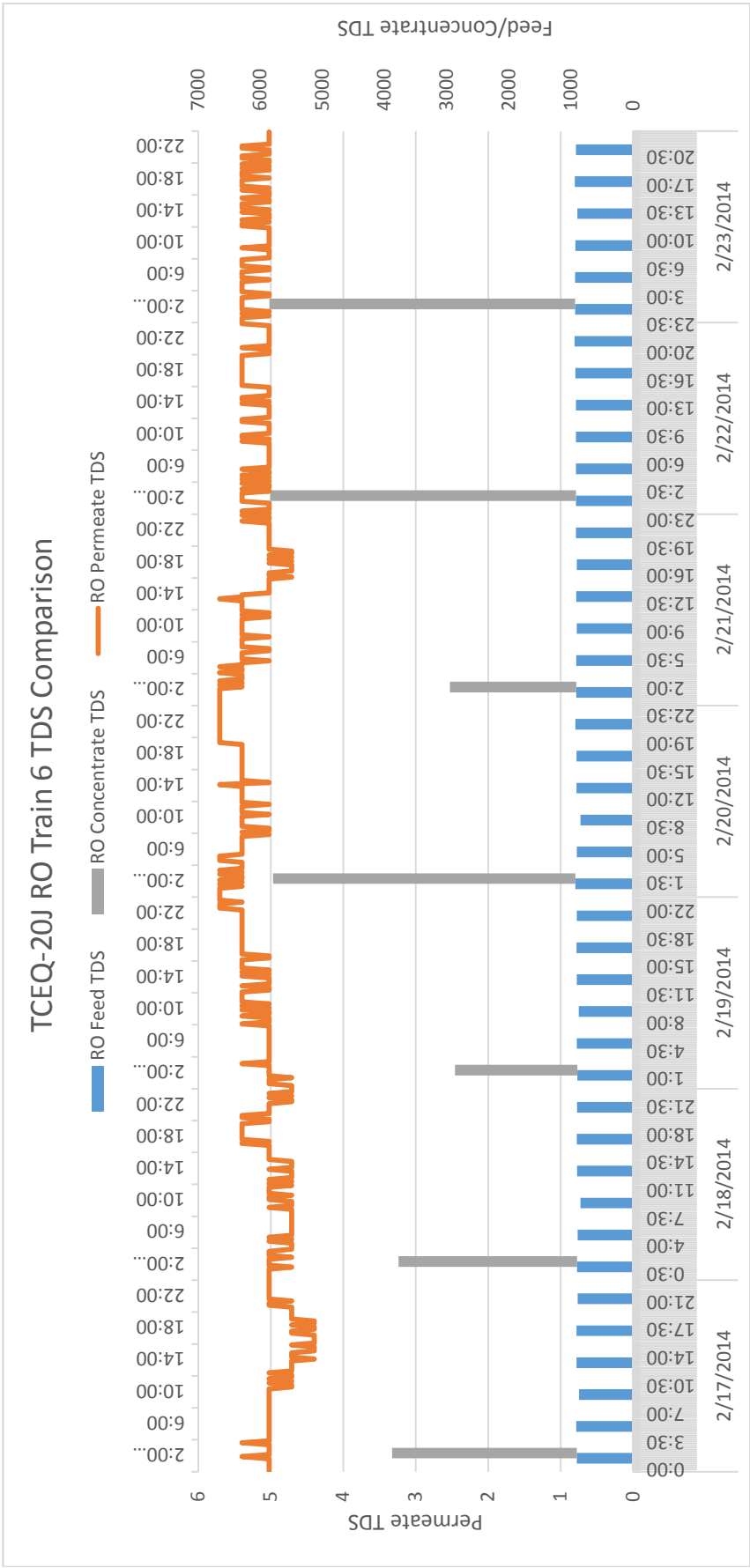
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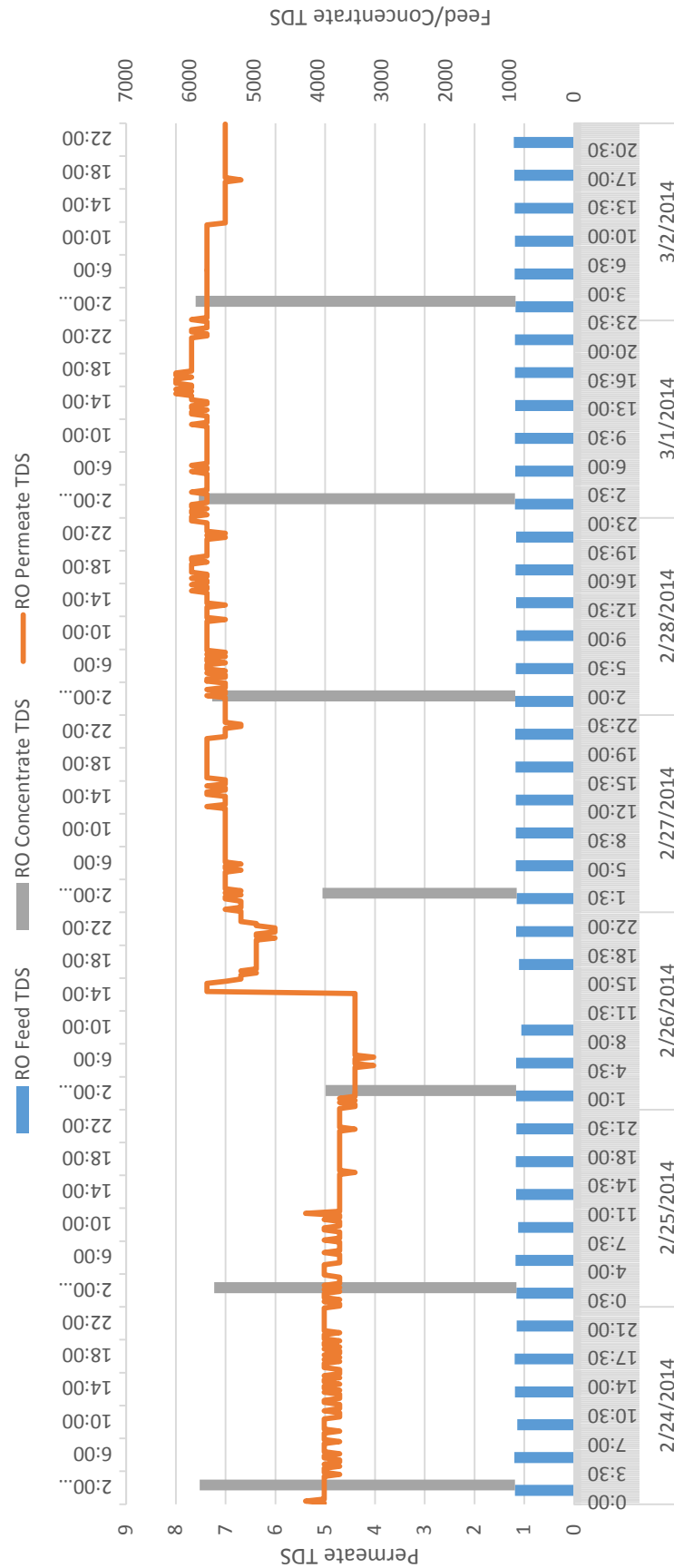
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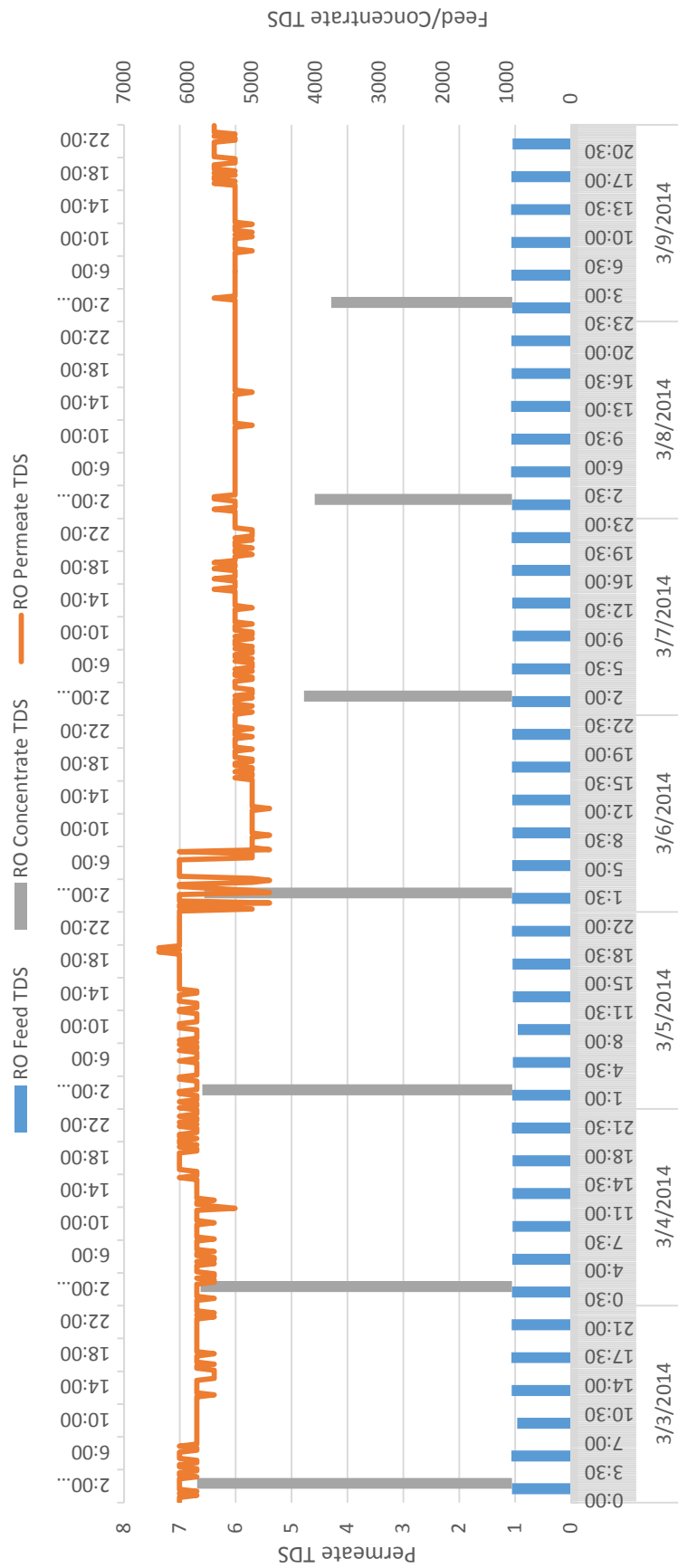




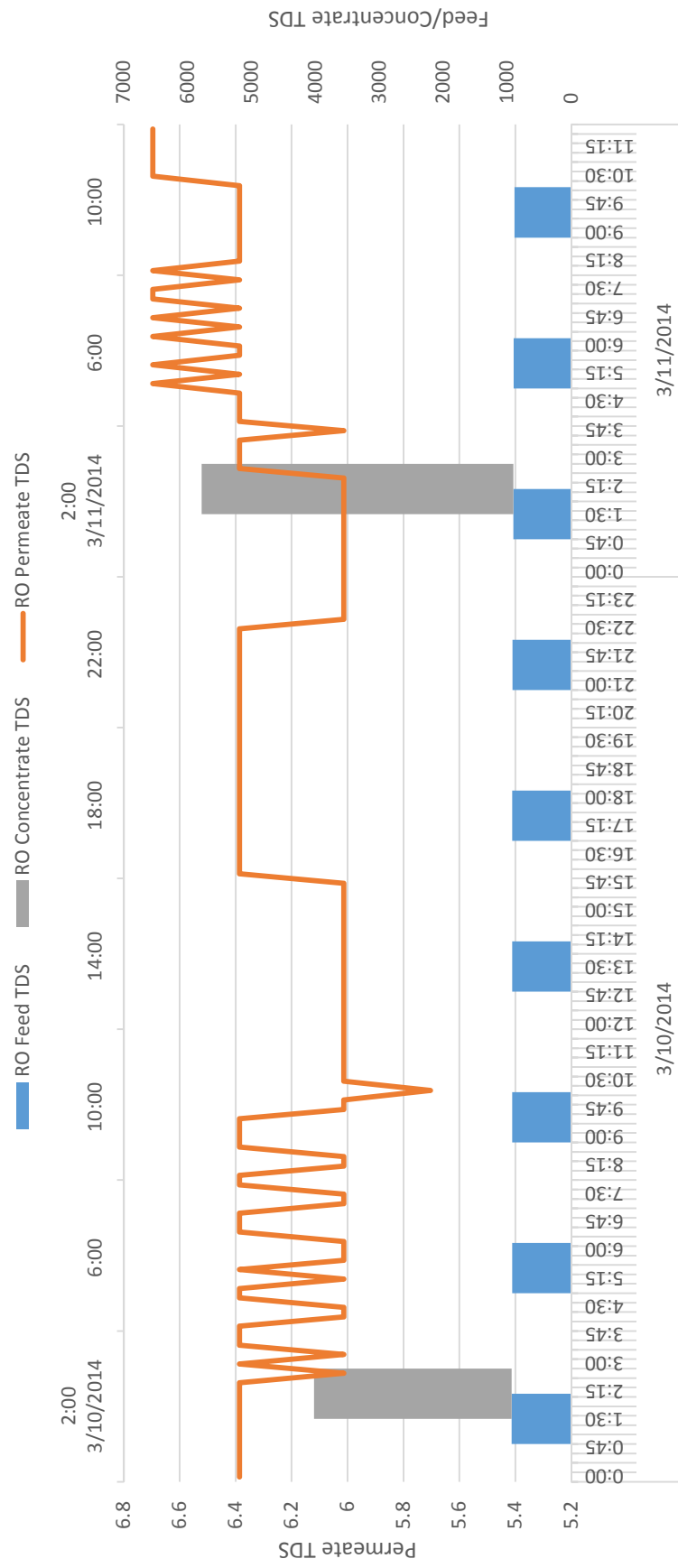
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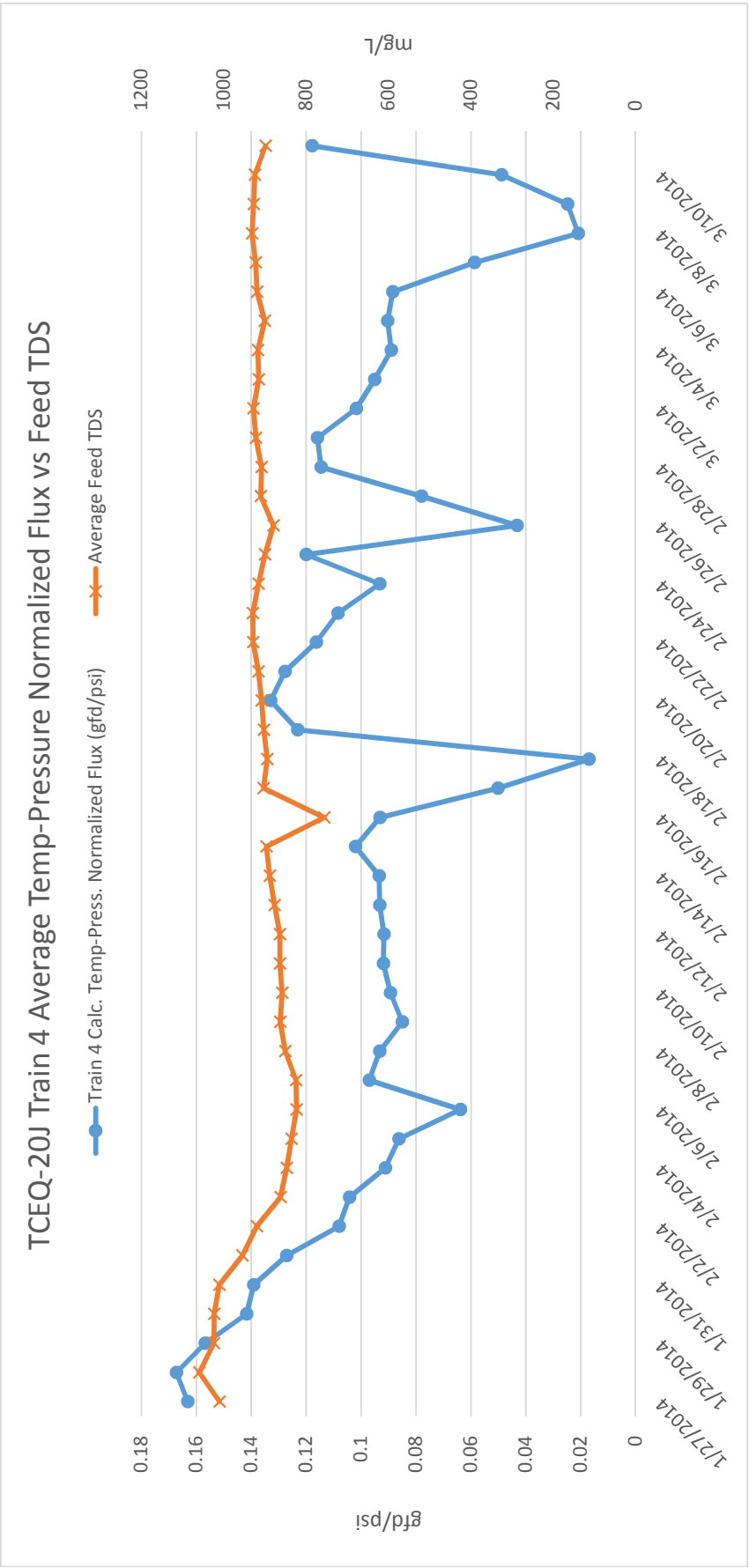


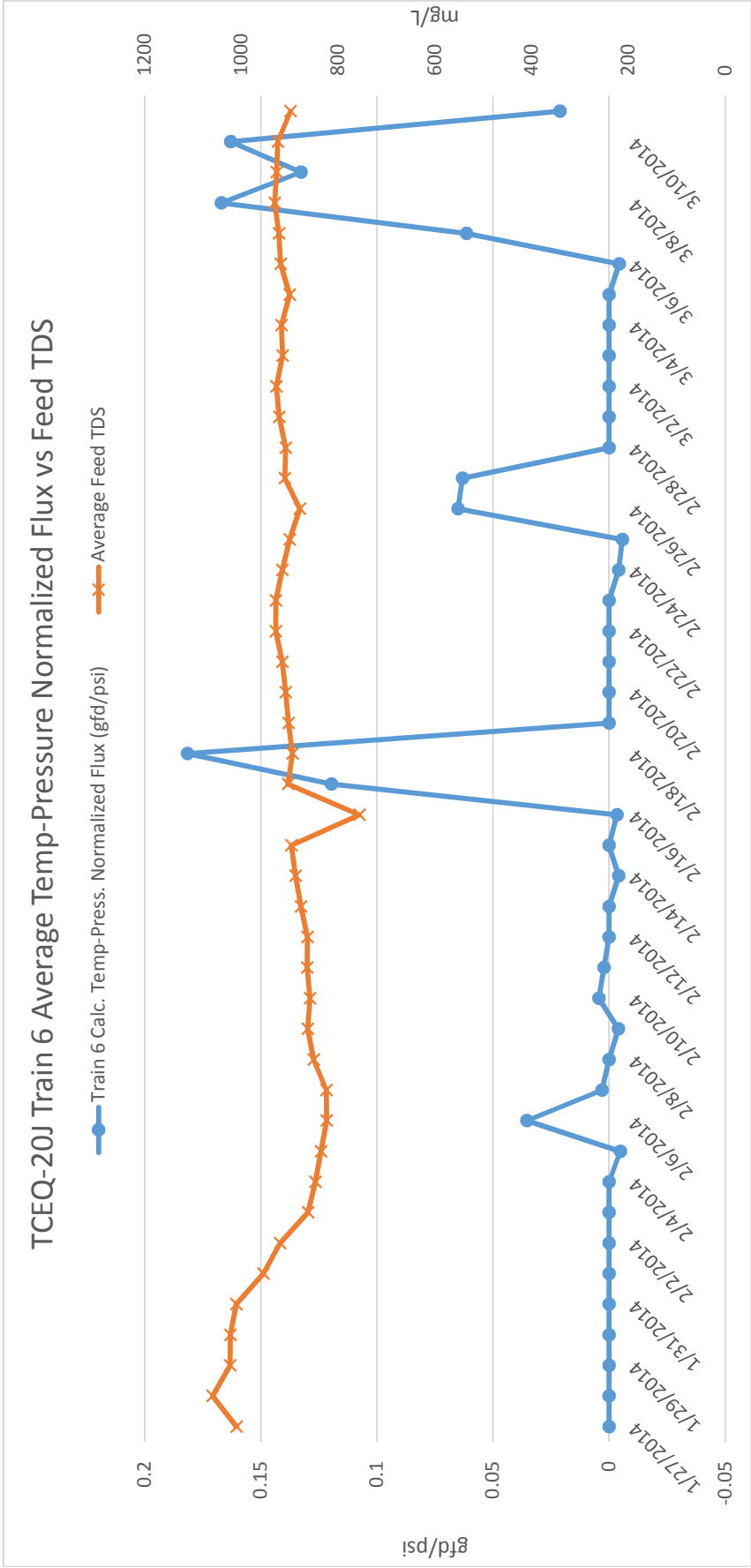
TCEQ-20J RO Train 6 TDS Comparison



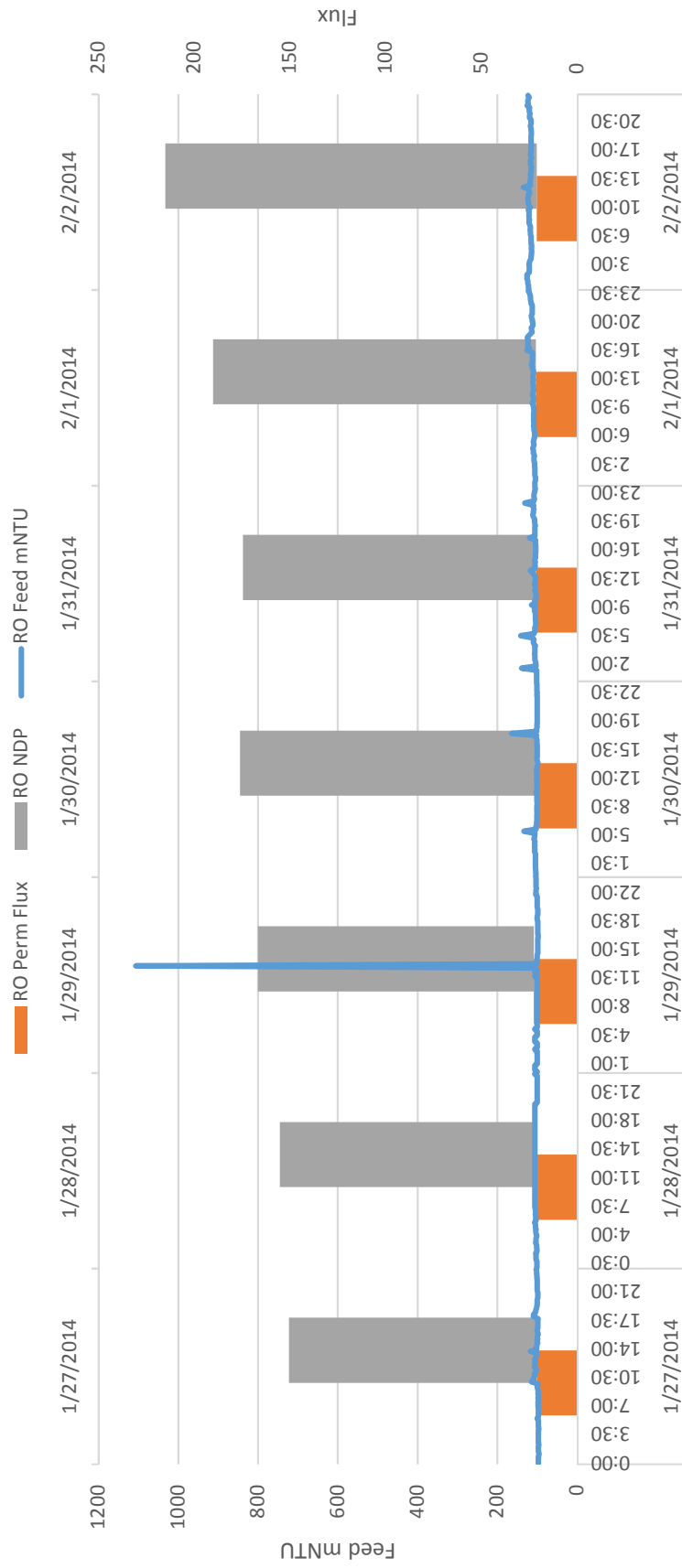
TCEQ-20J RO Train 6 TDS Comparison



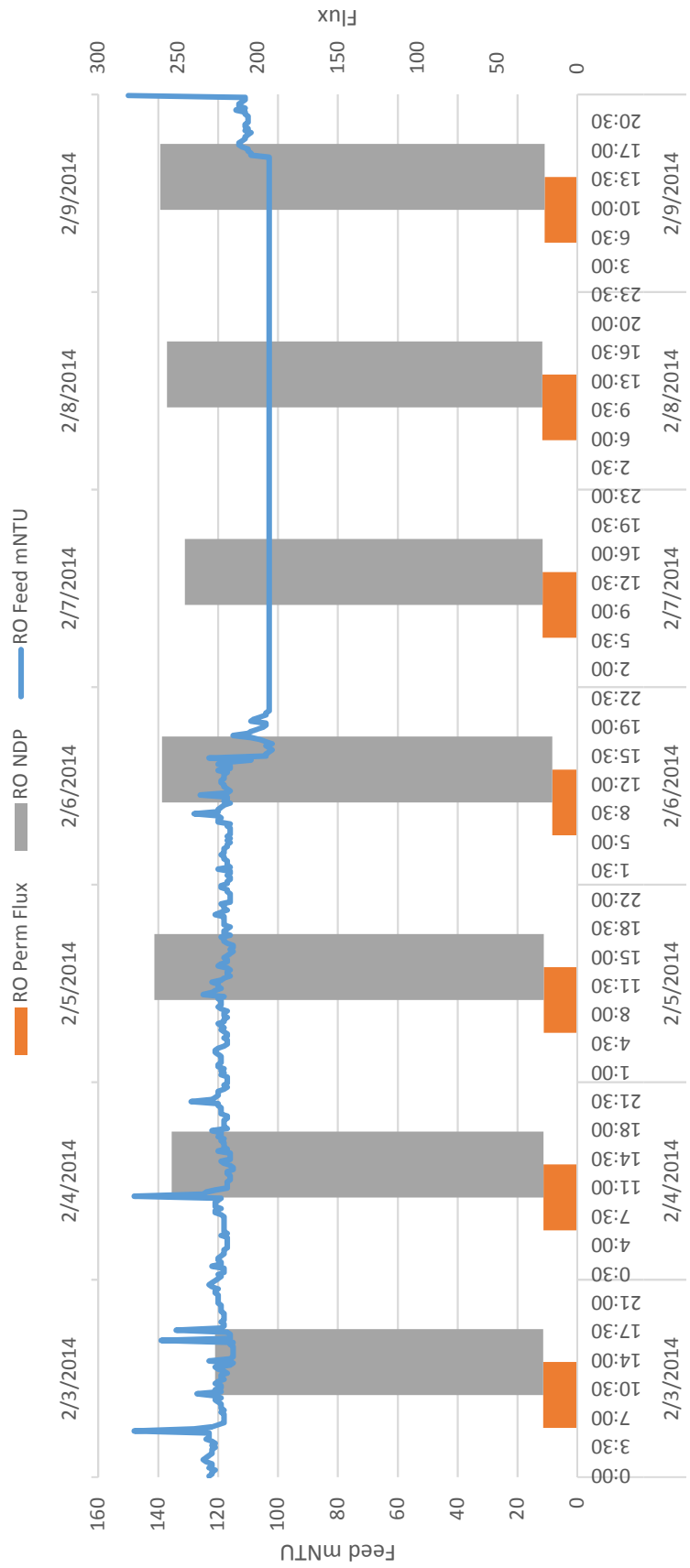




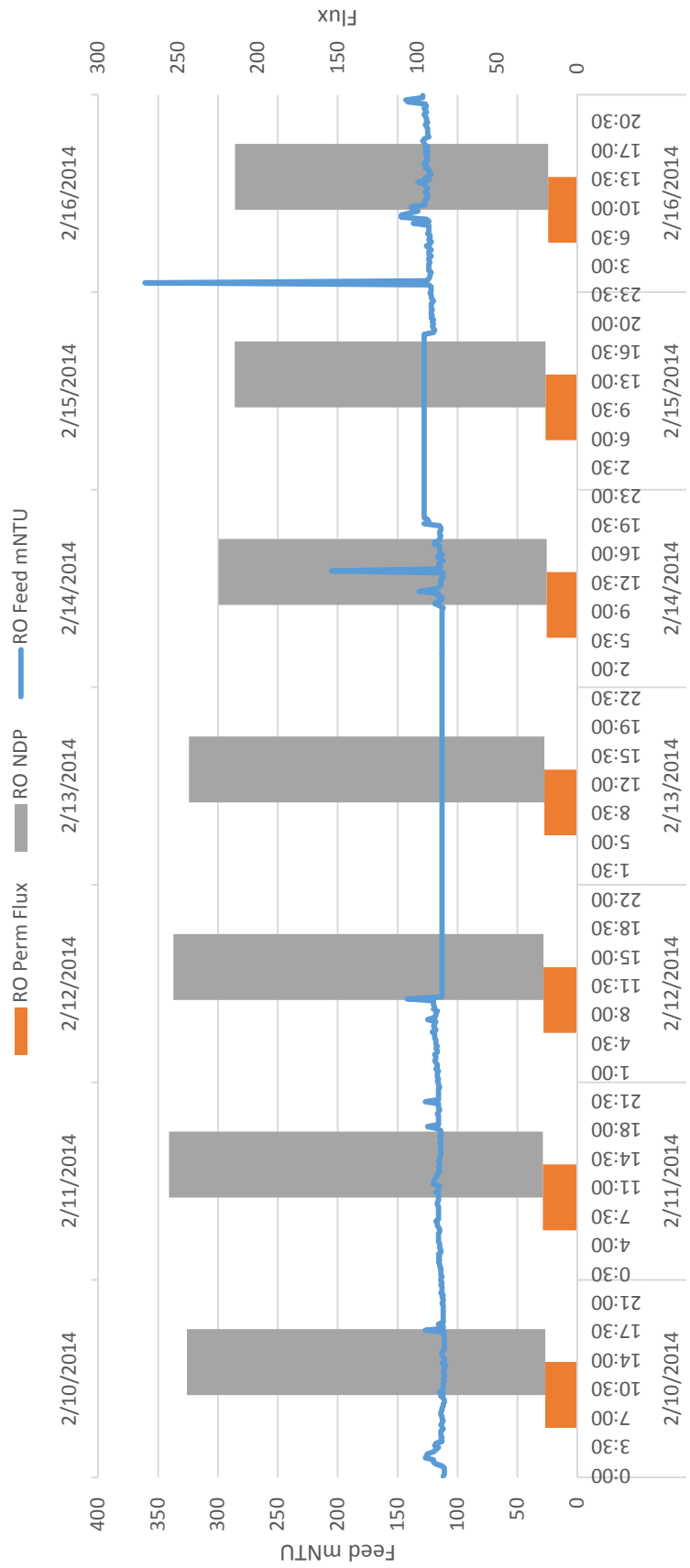
TCEQ-20J RO Train 4 Feed NTU/Flux/NDP



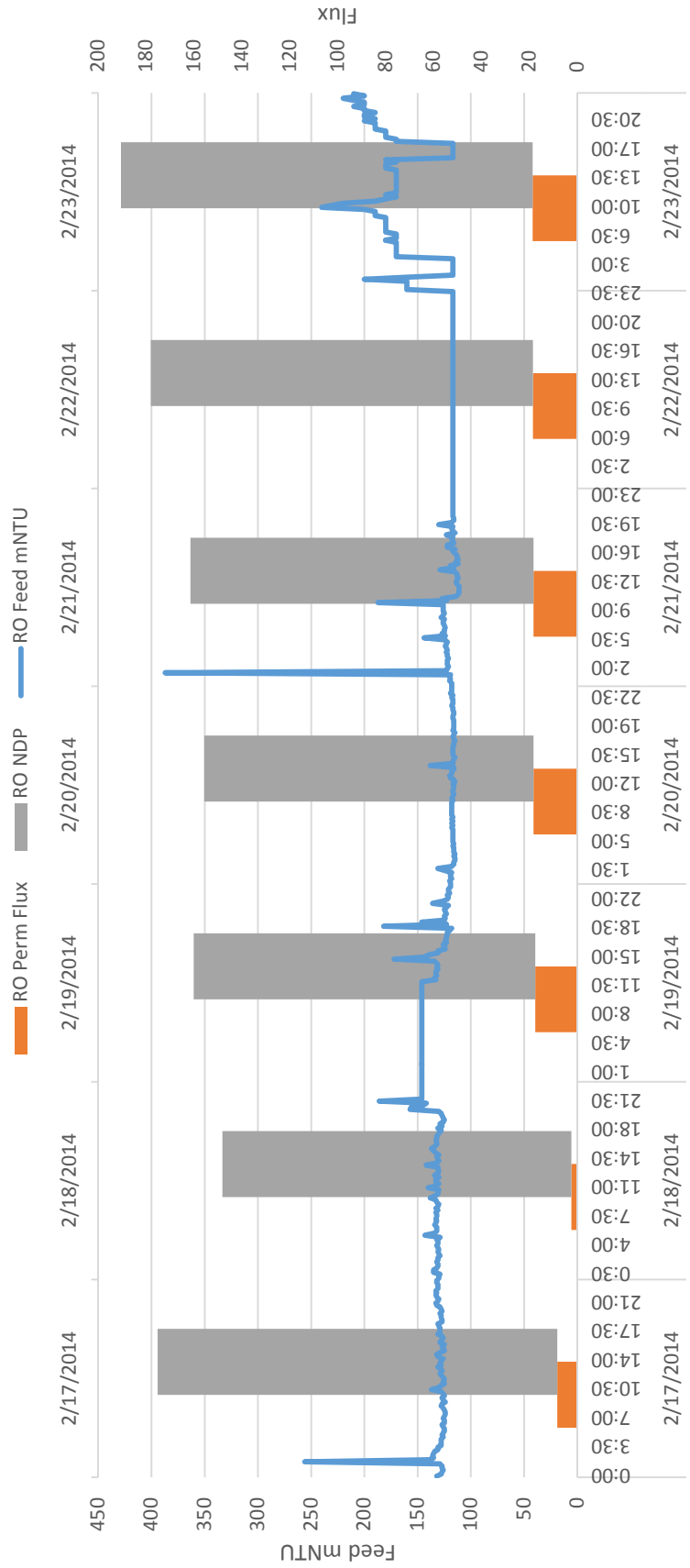
TCEQ-20J RO Train 4 Feed NTU/Flux/NDP



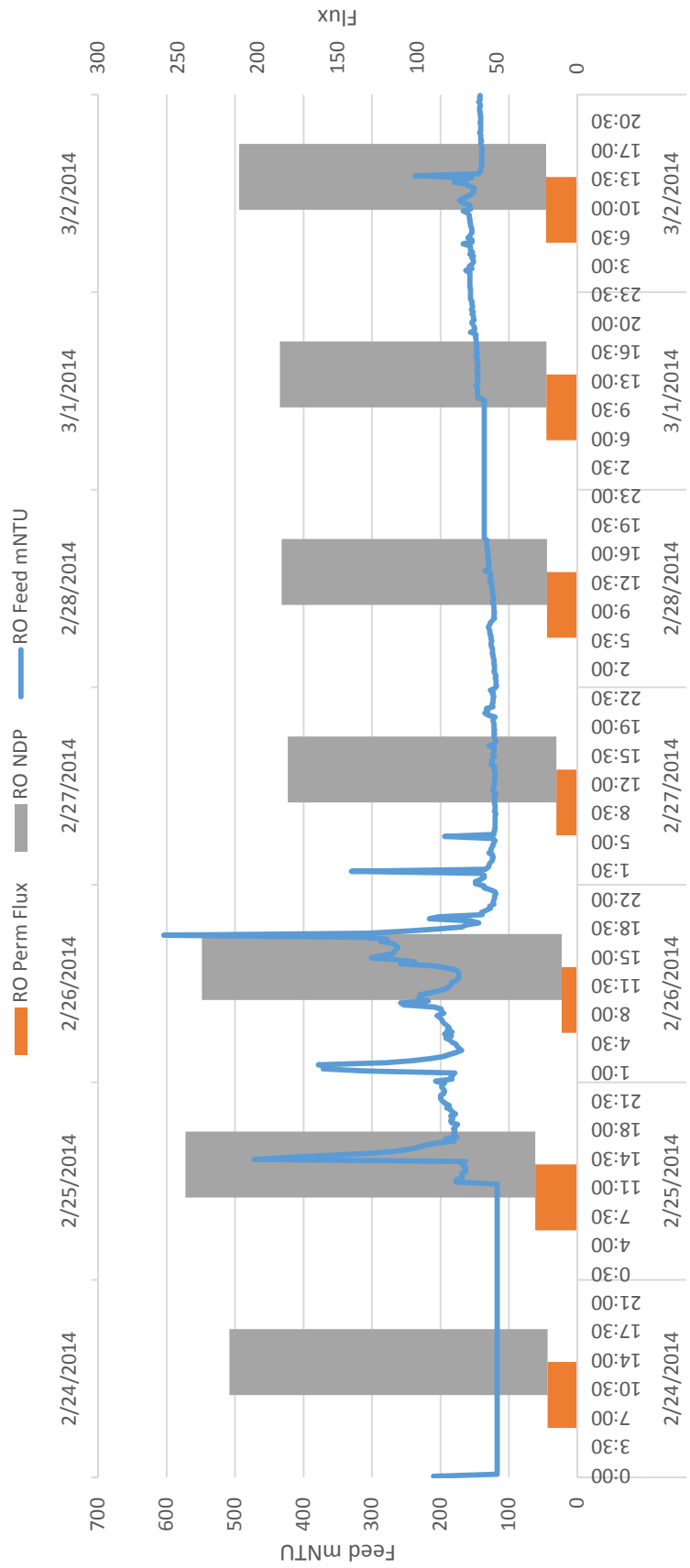
TCEQ-20J RO Train 4 Feed NTU/Flux/NDP



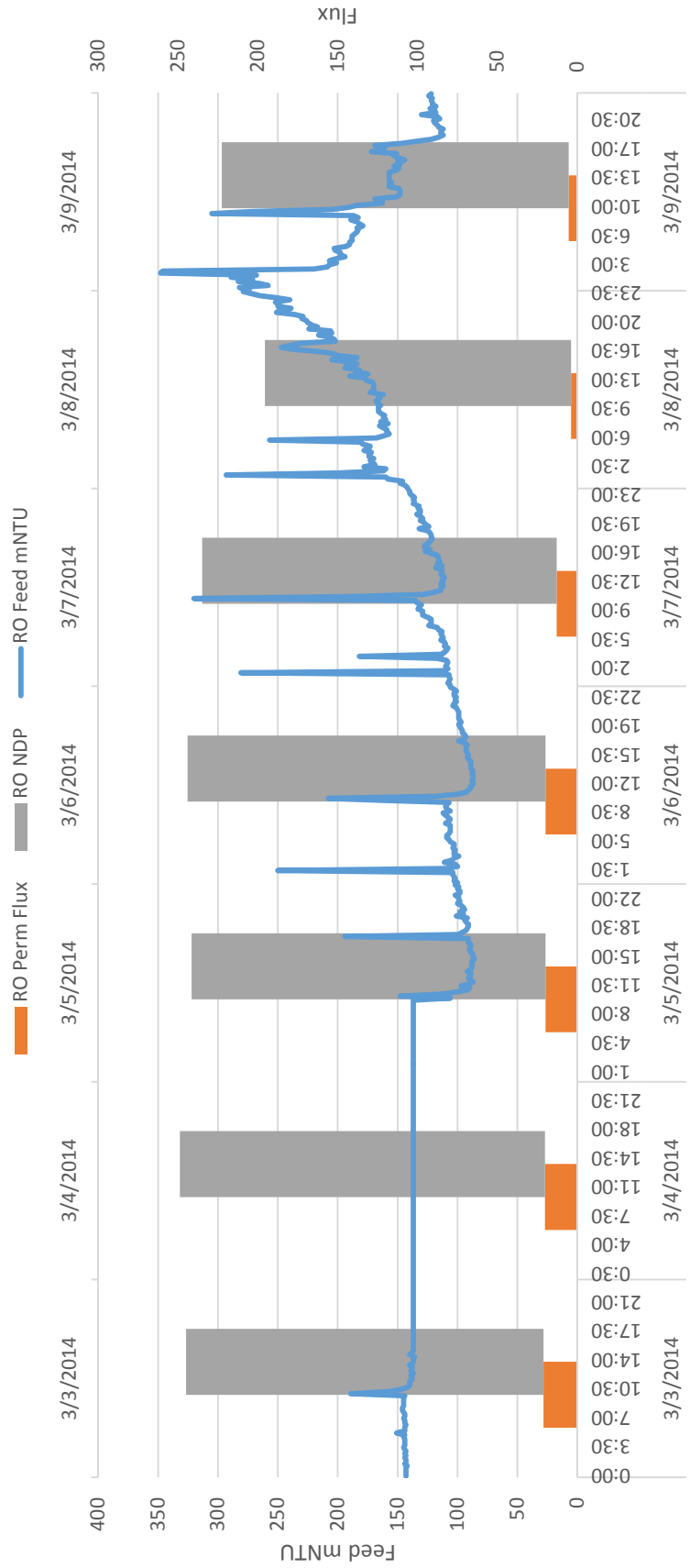
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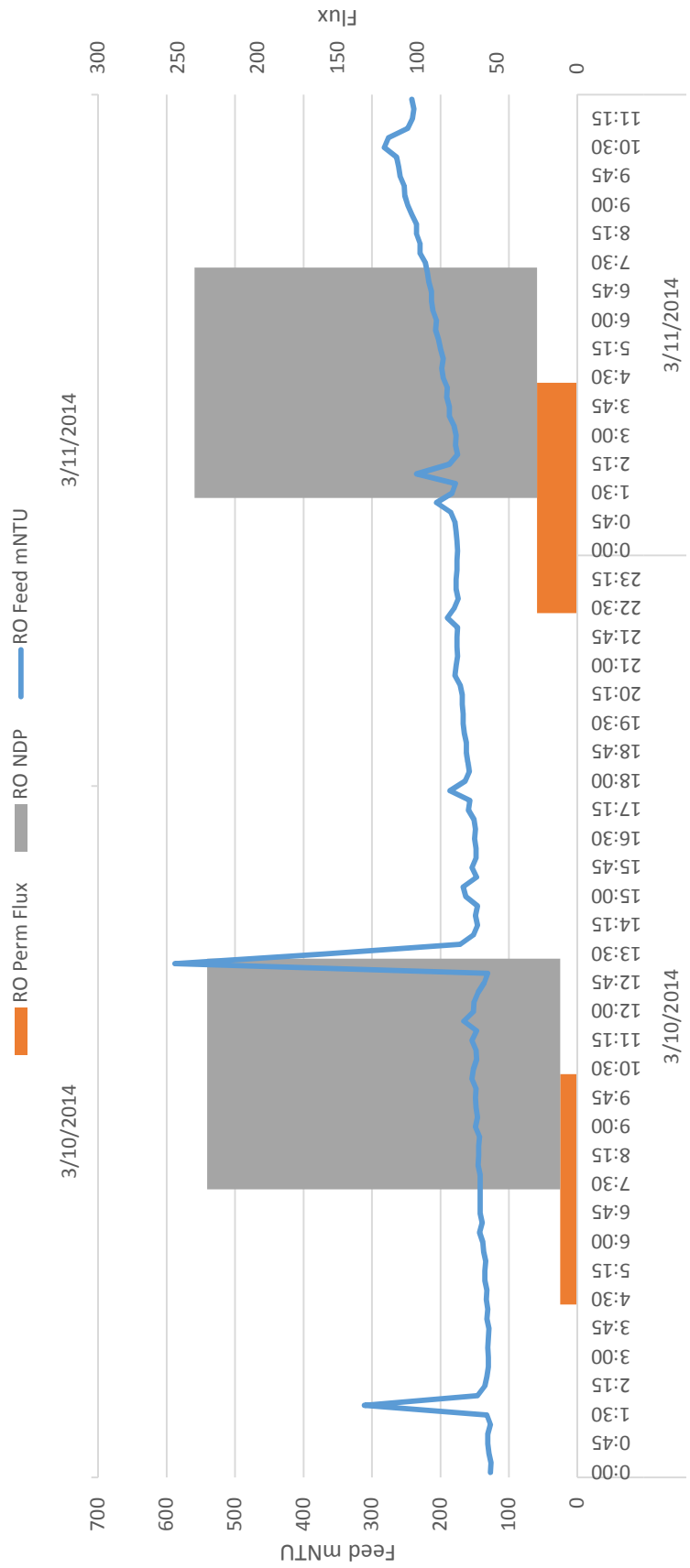
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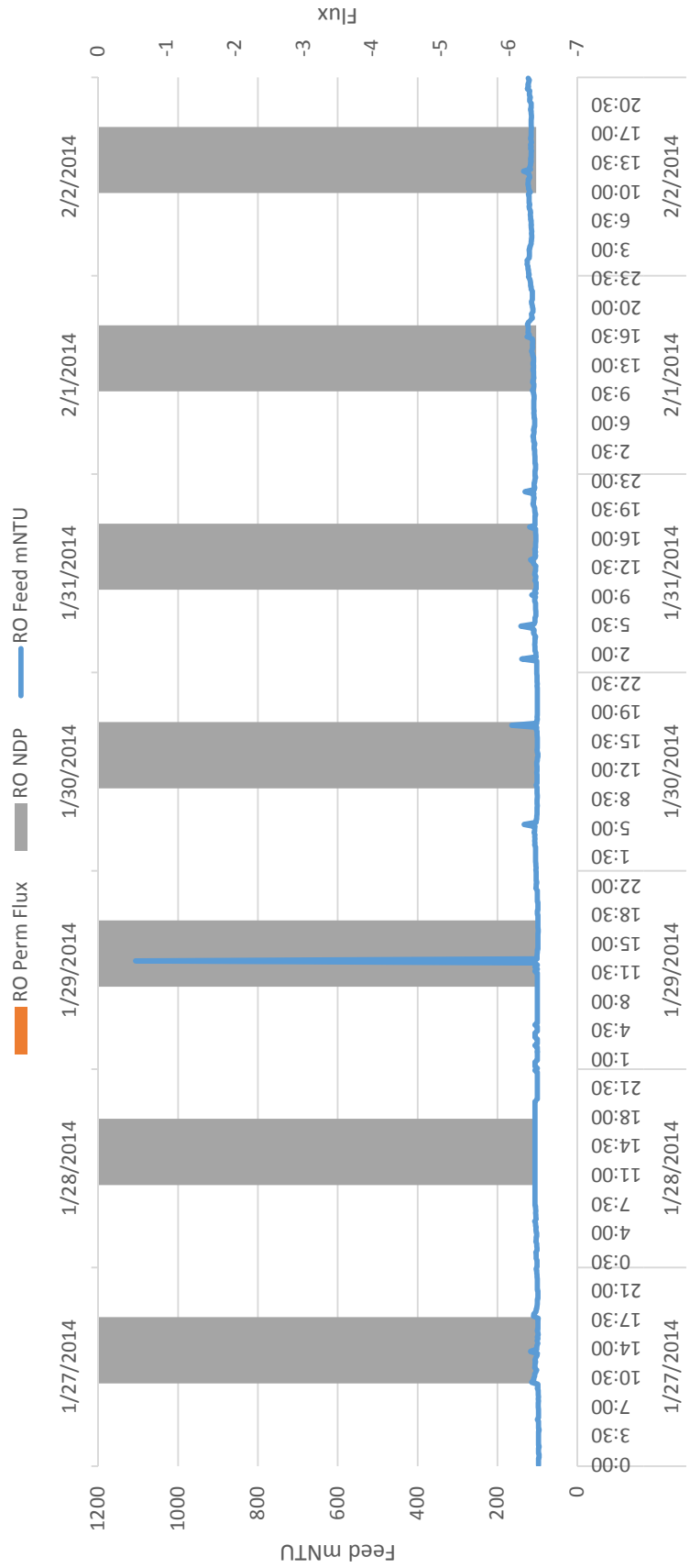
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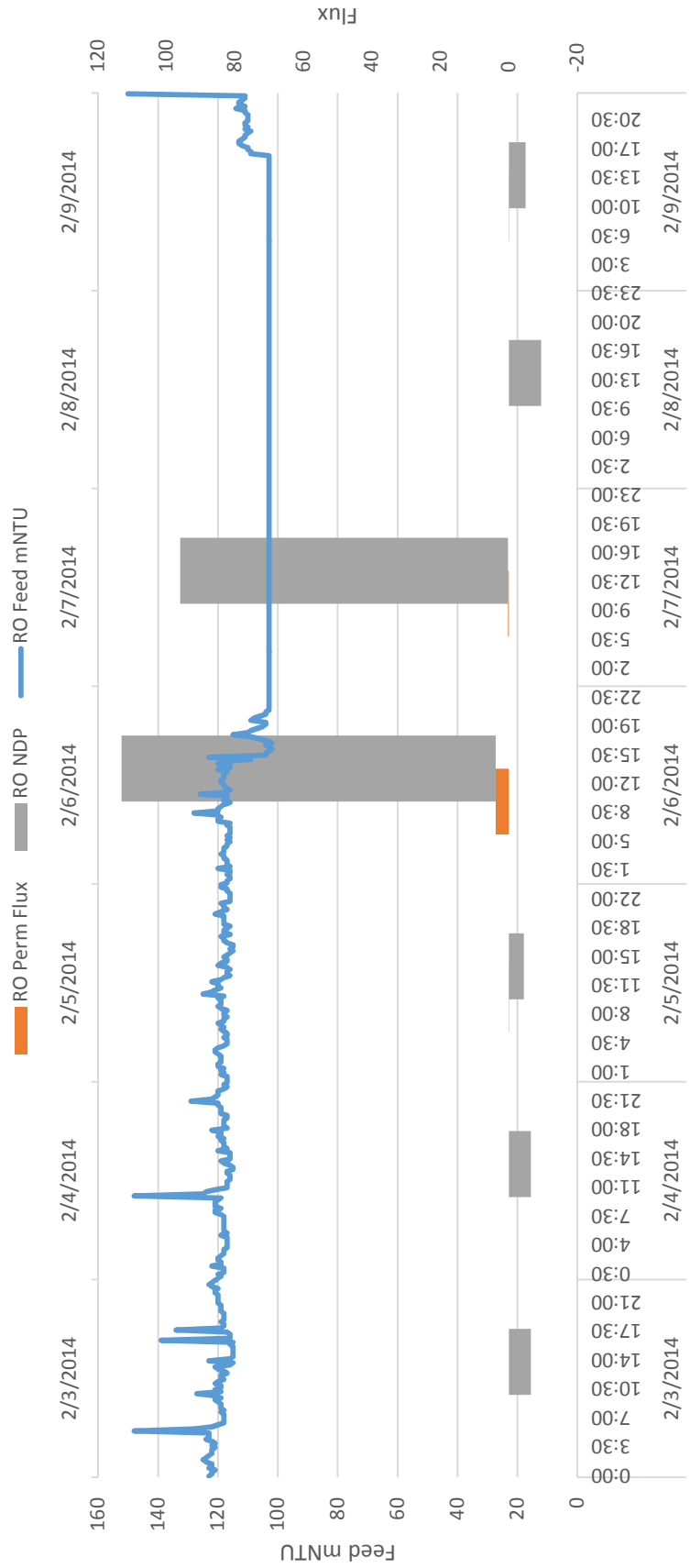
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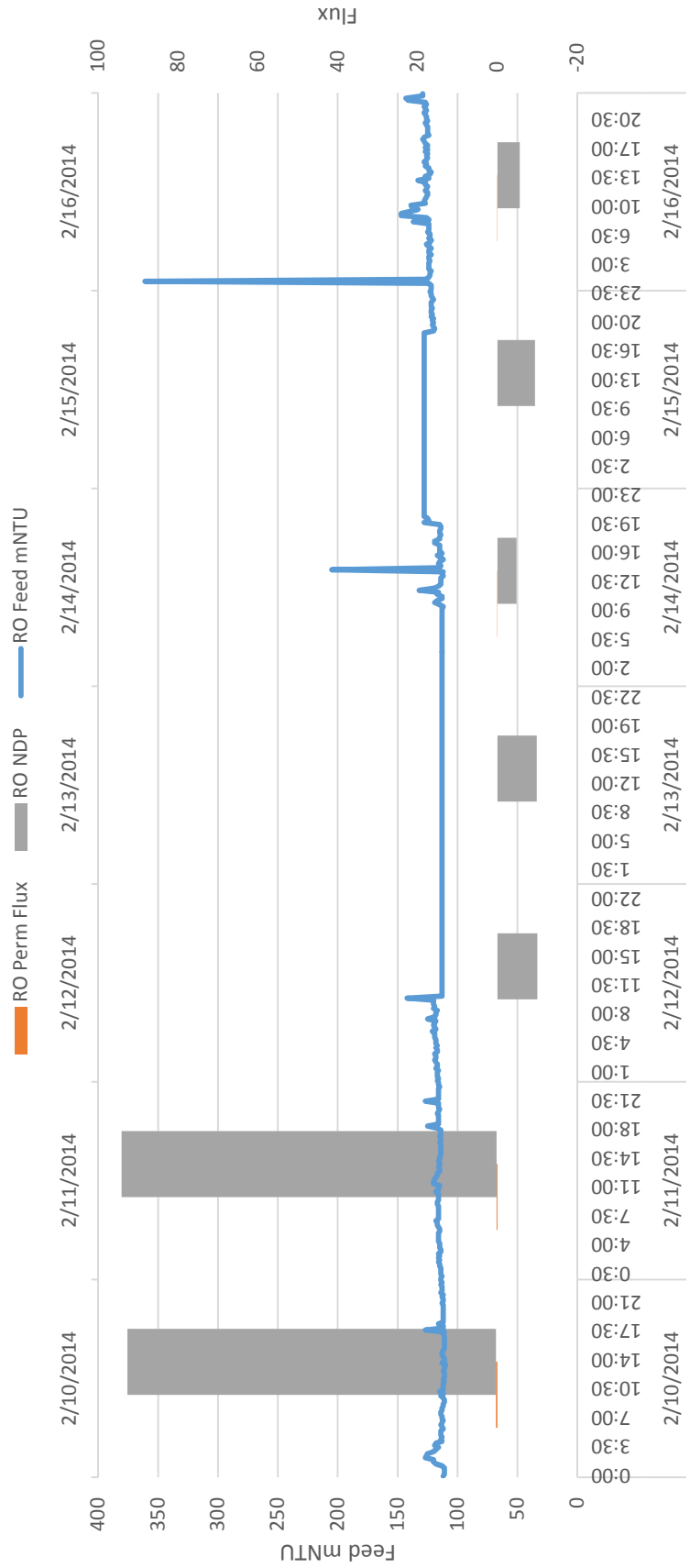
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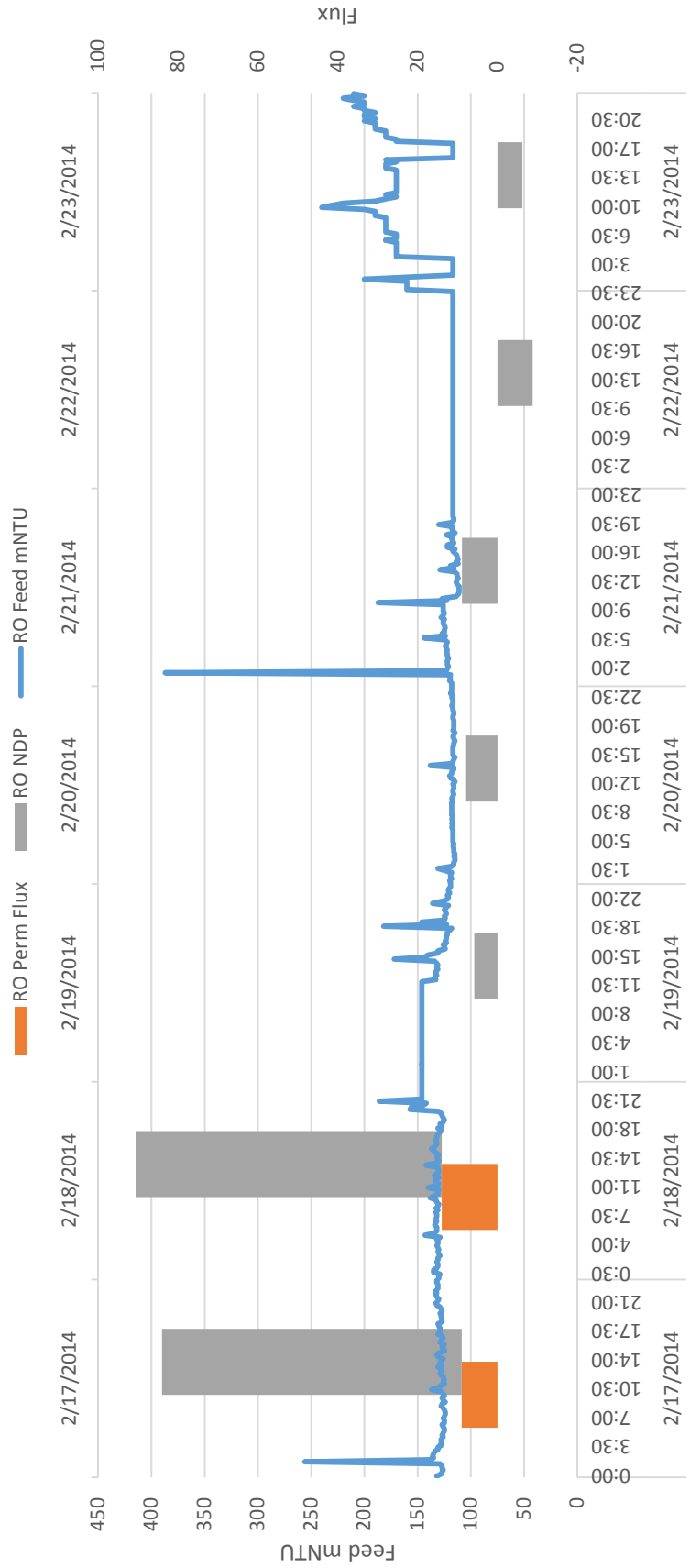
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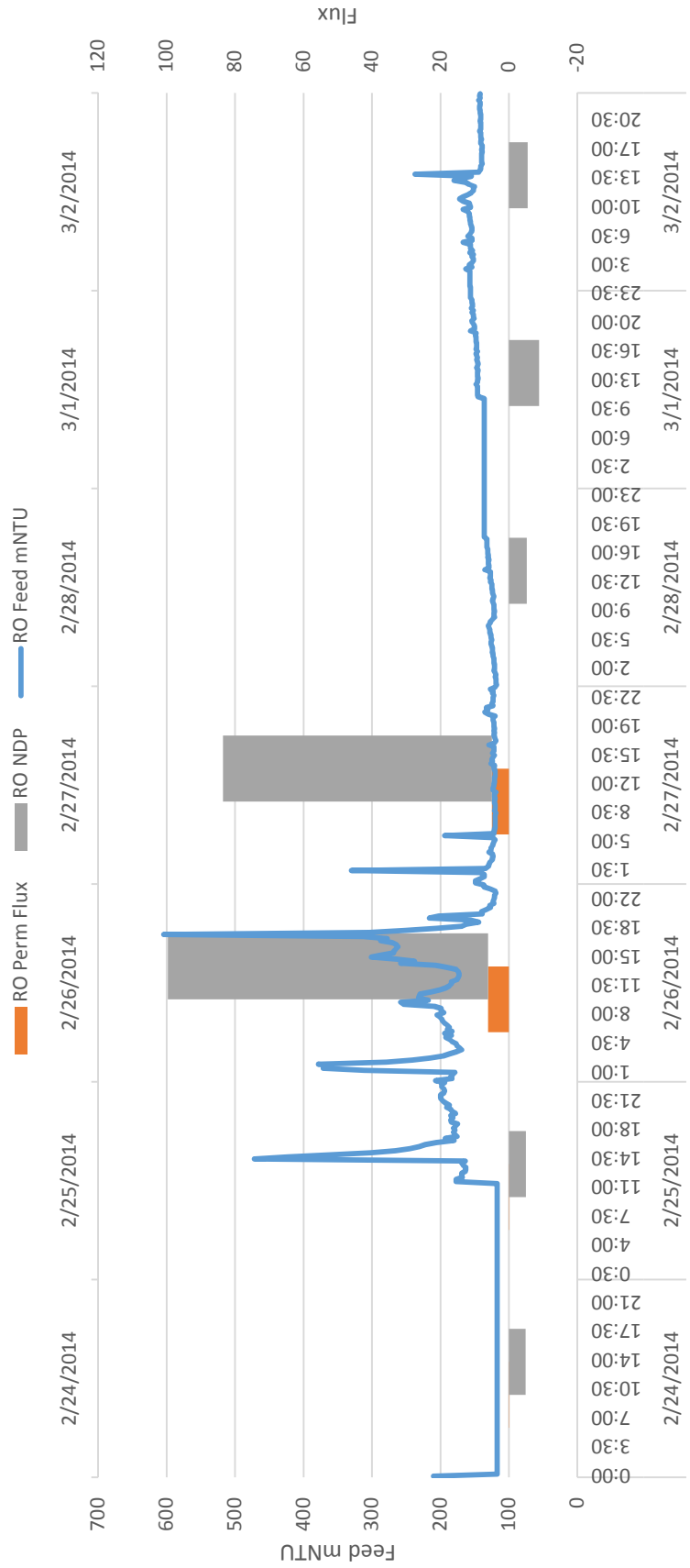
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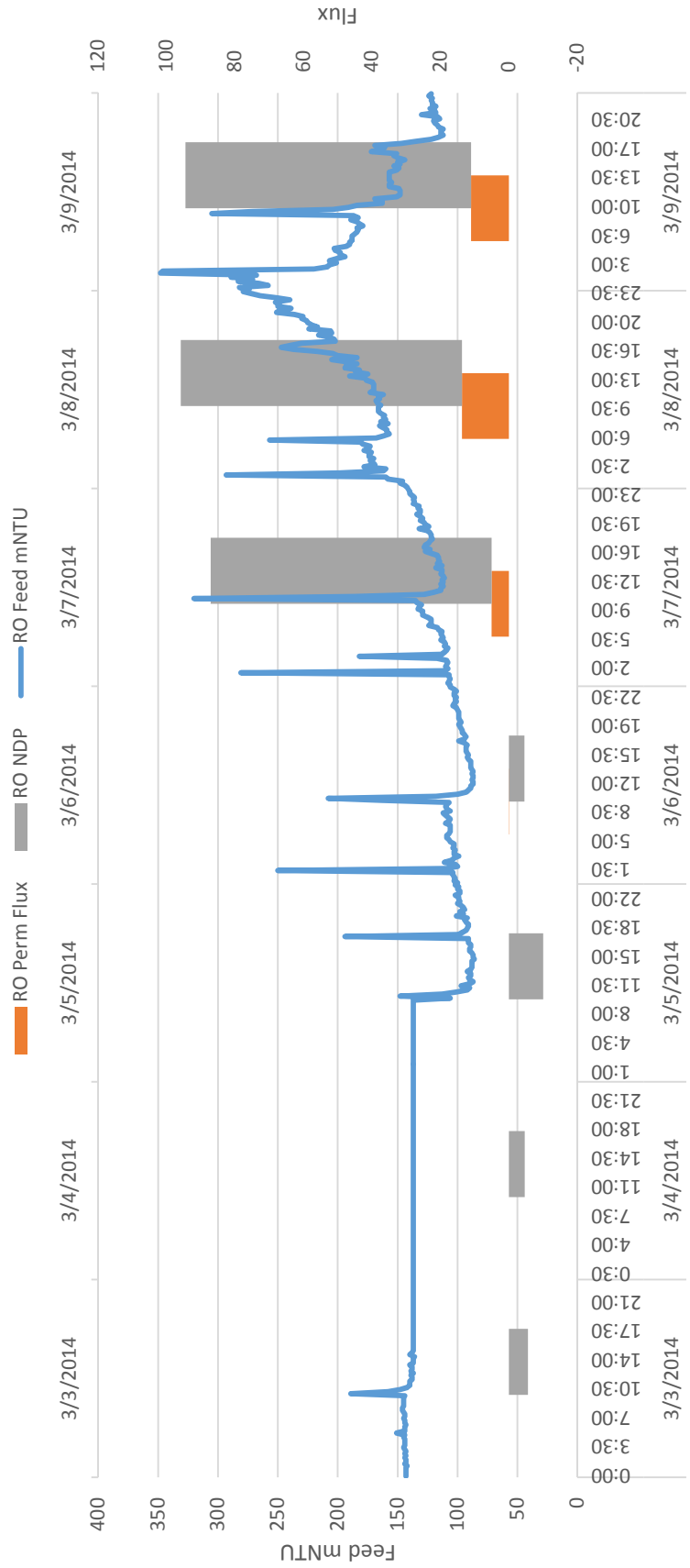
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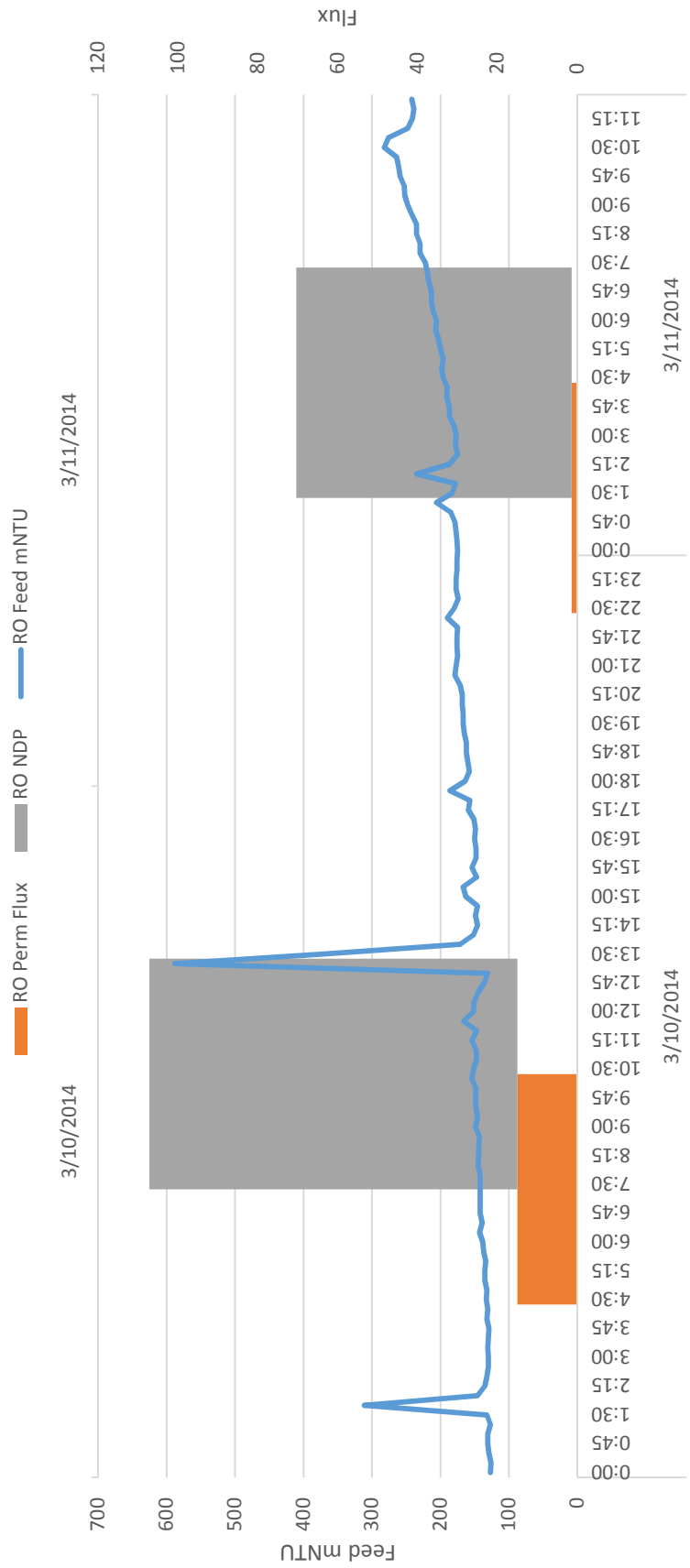
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TCEQ-20J RO Train 6 Feed NTU/Flux/NDP



TCEQ-20J RO Train 6 Feed NTU/Flux/NDP



TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
1/27/2014	0:00	2.01	1392	22.6	15	12.1	0	0	0	0	4
	0:15	2.01	1395	22	15	12.2	0	0	0	0	4
	0:30	1.98	1374	22	15	12.3	0	0	0	0	4
	0:45	2.01	1391	22	15	12.5	0	0	0	0	4
	1:00	2.01	1396	22	15	12	0	0	0	0	4
	1:15	2.01	1392	22	15	8.9	0	0	0	0	4
	1:30	2	1387	22	15	12.3	0	0	0	0	4
	1:45	2	1389	22	15	12.2	0	0	0	0	4
	2:00	2	1386	22	15	12.4	0	0	0	0	4
	2:15	2	1389	22	15	12.3	0	0	0	0	4
	2:30	2.01	1396	22	15	12.2	0	0	0	0	4
	2:45	2	1386	22	15	12.4	0	0	0	0	4
	3:00	2	1388	22	15	12.4	0	0	0	0	4
	3:15	2	1385	22	15	12.1	0	0	0	0	4
	3:30	2	1386	22	15	12.1	0	0	0	0	4
	3:45	2.01	1392	22	15	12.5	0	0	0	0	4
	4:00	2.01	1392	22	15	12.2	0	0	0	0	4
	4:15	2	1386	22	15	12.2	0	0	0	0	4
	4:30	1.99	1382	22	15	12.2	0	0	0	0	4
	4:45	2.01	1394	22.6	15	12.4	0	0	0	0	4
	5:00	2	1385	22	15	12.4	0	0	0	0	4
	5:15	2	1389	22	15	12.5	0	0	0	0	4
	5:30	2.01	1396	22	15	12.4	0	0	0	0	4
	5:45	1.99	1384	22	15	12.3	0	0	0	0	4
	6:00	2.01	1394	22.6	15	12.5	0	0	0	0	4
	6:15	2.02	1400	22	15	12	0	0	0	0	4
	6:30	2	1385	22	15	12.2	0	0	0	0	4
	6:45	2.01	1393	22	15	12.1	0	0	0	0	4
	7:00	2.01	1396	22.6	15	12.2	0	0	0	0	4
	7:15	1.99	1382	22	15	12.3	0	0	0	0	4
	7:30	1.99	1383	22.6	15	12.5	0	0	0	0	4
	7:45	2	1387	22.6	15	12.5	0	0	0	0	4
	8:00	2.01	1394	22	15	12.4	0	0	0	0	4
	8:15	1.99	1378	22	15	12.5	0	0	0	0	4
	8:30	2	1387	22	15	12.1	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	8:45	2	1387	22	15	12.4	0	0	0	0	4
	9:00	2.01	1393	22	15	12.3	0	0	0	0	4.1
	9:15	2	1385	22.6	15	12.3	0	0	0	0	4.1
	9:30	2.01	1393	22	15	12.4	0	0	0	0	4.1
	9:45	2	1386	22.6	15	12.3	0	0	0	0	6.5
	10:00	1.98	1377	22	15	12.2	0	0	0	0	3.9
	10:15	2	1387	22	15	12.2	0	0	0	0	3.9
	10:30	2.01	1392	22.6	15	12.1	0	0	0	0	3.9
	10:45	2	1386	22.6	15	12.5	0	0	0	0	3.9
	11:00	2	1391	19.9	13	12.1	0	0	0	0	3.9
	11:15	2	1388	22.6	15	12.1	0	0	0	0	3.9
	11:30	2	1390	22.6	15	12.3	0	0	0	0	3.9
	11:45	2	1389	22	15	12.2	0	0	0	0	3.9
	12:00	2.01	1392	22	15	12.1	0	0	0	0	3.9
	12:15	2.01	1392	22.6	15	12.5	0	0	0	0	3.9
	12:30	2	1389	22.6	15	12.2	0	0	0	0	3.9
	12:45	2.01	1396	22	15	12.2	0	0	0	0	3.9
	13:00	2.01	1393	22.6	15	12.3	0	0	0	0	3.9
	13:15	1.98	1376	22.6	15	12.1	0	0	0	0	3.9
	13:30	2.01	1393	22.6	15	12.3	0	0	0	0	3.9
	13:45	2.01	1394	22.6	15	12.1	0	0	0	0	3.9
	14:00	1.99	1384	22	15	12.2	0	0	0	0	3.9
	14:15	2	1387	22	15	12.3	0	0	0	0	3.9
	14:30	2	1391	22.6	15	12.4	0	0	0	0	3.9
	14:45	1.99	1382	22	15	12.2	0	0	0	0	3.9
	15:00	2.01	1391	22.6	15	12.2	0	0	0	0	3.9
	15:15	2	1387	22	15	12.2	0	0	0	0	3.9
	15:30	1.99	1381	22.6	15	12.2	0	0	0	0	3.9
	15:45	2.01	1391	22.6	15	12.1	0	0	0	0	3.9
	16:00	2.01	1398	22.6	15	12.3	0	0	0	0	3.9
	16:15	2.01	1394	22.6	15	12.6	0	0	0	0	3.9
	16:30	1.99	1382	22.6	15	12.4	0	0	0	0	3.9
	16:45	2.01	1395	22.6	15	12.1	0	0	0	0	3.9
	17:00	2	1390	19.9	13	12.1	0	0	0	0	3.9
	17:15	2	1386	19.9	13	12.3	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	17:30	2.01	1392	19.9	13	12.3	0	0	0	0	3.9
	17:45	2	1389	19.9	13	12.2	0	0	0	0	3.9
	18:00	2	1386	19.9	13	12.2	0	0	0	0	3.9
	18:15	2	1388	19.9	13	12.2	0	0	0	0	3.9
	18:30	2	1387	20.4	14	12	0	0	0	0	3.9
	18:45	2	1387	19.9	13	12.2	0	0	0	0	3.9
	19:00	2	1386	19.9	13	12.2	0	0	0	0	3.9
	19:15	2.01	1394	19.9	13	12	0	0	0	0	3.9
	19:30	2.01	1394	19.9	13	12.2	0	0	0	0	3.9
	19:45	2	1389	19.9	13	12.2	0	0	0	0	3.9
	20:00	1.99	1384	19.9	13	12.2	0	0	0	0	3.9
	20:15	1.99	1382	19.9	13	12.2	0	0	0	0	3.9
	20:30	2	1385	19.9	13	12.2	0	0	0	0	3.9
	20:45	1.99	1381	19.9	13	12.1	0	0	0	0	3.9
	21:00	2	1385	19.9	13	12.1	0	0	0	0	3.9
	21:15	2.01	1392	19.9	13	12.1	0	0	0	0	3.9
	21:30	2	1385	20.4	14	12.1	0	0	0	0	3.9
	21:45	2	1387	19.9	13	12	0	0	0	0	3.9
	22:00	2	1390	20.4	14	12.1	0	0	0	0	3.9
	22:15	1.98	1373	19.9	13	11.9	0	0	0	0	3.9
	22:30	2	1389	19.9	13	12	0	0	0	0	3.9
	22:45	2	1385	19.9	13	11.9	0	0	0	0	3.9
	23:00	1.99	1380	19.9	13	12.1	0	0	0	0	3.9
	23:15	2.01	1394	19.9	13	12	0	0	0	0	3.9
	23:30	1.99	1382	19.9	13	11.9	0	0	0	0	3.9
	23:45	2.01	1394	19.9	13	11.9	0	0	0	0	3.9
1/28/2014	0:00	2.01	1391	19.9	13	12.1	0	0	0	0	4
	0:15	2	1386	19.9	13	12.5	0	0	0	0	4
	0:30	2.01	1394	19.9	13	12.2	0	0	0	0	4
	0:45	2.01	1394	19.9	13	12.2	0	0	0	0	4
	1:00	2.01	1396	19.9	13	12.3	0	0	0	0	4
	1:15	2	1388	20.4	14	12.1	0	0	0	0	4
	1:30	2.01	1396	19.9	13	12.3	0	0	0	0	4
	1:45	2	1389	20.4	14	12.1	0	0	0	0	4
	2:00	2	1388	19.9	13	12.2	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	2:15	2.01	1392	19.9	13	12.3	0	0	0	0	4
	2:30	2.01	1396	20.4	14	12.4	0	0	0	0	4
	2:45	1.98	1371	19.9	13	12.2	0	0	0	0	4
	3:00	1.99	1382	19.9	13	12.2	0	0	0	0	4
	3:15	1.99	1380	19.9	13	12.2	0	0	0	0	4
	3:30	2.01	1397	19.9	13	12.2	0	0	0	0	4
	3:45	1.99	1380	19.9	13	12.1	0	0	0	0	4
	4:00	2	1387	19.9	13	12.3	0	0	0	0	4
	4:15	2.01	1391	19.9	13	12.6	0	0	0	0	4
	4:30	2.01	1396	19.9	13	12.4	0	0	0	0	4
	4:45	2	1391	20.4	14	12.1	0	0	0	0	4
	5:00	2.01	1394	20.4	14	12.1	0	0	0	0	4
	5:15	2.01	1394	19.9	13	12.3	0	0	0	0	4
	5:30	2.01	1392	20.4	14	12.3	0	0	0	0	4
	5:45	2.01	1393	19.9	13	12.2	0	0	0	0	4
	6:00	2.01	1394	19.9	13	12.2	0	0	0	0	4
	6:15	2.02	1401	19.9	13	12.2	0	0	0	0	4
	6:30	2.02	1399	19.9	13	12	0	0	0	0	4
	6:45	1.99	1382	19.9	13	12.2	0	0	0	0	4
	7:00	2	1387	19.9	13	12.2	0	0	0	0	4
	7:15	2.01	1392	19.9	13	12	0	0	0	0	4
	7:30	2.02	1399	19.9	13	12.2	0	0	0	0	4
	7:45	2.01	1394	17.8	12	12.2	0	0	0	0	4
	8:00	2.01	1395	17.8	12	12.2	0	0	0	0	4
	8:15	2.01	1394	17.8	12	12.2	0	0	0	0	4
	8:30	2	1389	17.8	12	12.2	0	0	0	0	4
	8:45	2.01	1394	17.2	12	12.1	0	0	0	0	4
	9:00	1.99	1382	17.8	12	12.1	0	0	0	0	4.1
	9:15	2.01	1392	17.2	12	12.1	0	0	0	0	4.1
	9:30	2	1387	17.8	12	12.1	0	0	0	0	4.1
	9:45	2.01	1391	17.2	12	12	0	0	0	0	6.5
	10:00	2	1386	17.8	12	12.1	0	0	0	0	3.9
	10:15	2.01	1396	17.8	12	11.9	0	0	0	0	3.9
	10:30	1.99	1382	17.8	12	12	0	0	0	0	3.9
	10:45	2.01	1393	17.8	12	11.9	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	11:00	2	1389	17.8	12	12.1	0	0	0	0	3.9
	11:15	2	1389	17.2	12	12	0	0	0	0	3.9
	11:30	2	1385	17.8	12	11.9	0	0	0	0	3.9
	11:45	2.01	1394	17.8	12	11.9	0	0	0	0	3.9
	12:00	2	1387	17.8	12	12.1	0	0	0	0	3.9
	12:15	2.01	1395	17.8	12	12.5	0	0	0	0	3.9
	12:30	2.01	1393	17.8	12	12.2	0	0	0	0	3.9
	12:45	2	1390	17.8	12	12.2	0	0	0	0	3.9
	13:00	2	1389	17.8	12	12.3	0	0	0	0	3.9
	13:15	2.01	1394	17.8	12	12.1	0	0	0	0	3.9
	13:30	2	1390	17.8	12	12.3	0	0	0	0	3.9
	13:45	2.01	1398	17.8	12	12.1	0	0	0	0	3.9
	14:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	14:15	2	1389	17.2	12	12.3	0	0	0	0	3.9
	14:30	1.99	1382	17.8	12	12.4	0	0	0	0	3.9
	14:45	2	1385	17.2	12	12.2	0	0	0	0	3.9
	15:00	2	1389	17.8	12	12.2	0	0	0	0	3.9
	15:15	2.02	1398	17.2	12	12.2	0	0	0	0	3.9
	15:30	2	1387	17.2	12	12.2	0	0	0	0	3.9
	15:45	2.02	1398	17.8	12	12.1	0	0	0	0	3.9
	16:00	1.99	1380	17.8	12	12.3	0	0	0	0	3.9
	16:15	2	1387	17.2	12	12.6	0	0	0	0	3.9
	16:30	2	1389	17.2	12	12.4	0	0	0	0	3.9
	16:45	2.02	1401	17.8	12	12.1	0	0	0	0	3.9
	17:00	2.01	1398	17.8	12	12.1	0	0	0	0	3.9
	17:15	2.01	1392	17.8	12	12.3	0	0	0	0	3.9
	17:30	2.02	1398	17.8	12	12.1	0	0	0	0	3.9
	17:45	2.01	1394	17.2	12	12.2	0	0	0	0	3.9
	18:00	2	1391	17.8	12	12.2	0	0	0	0	3.9
	18:15	1.98	1374	17.8	12	12.2	0	0	0	0	3.9
	18:30	2	1389	17.8	12	12	0	0	0	0	3.9
	18:45	2.01	1396	17.8	12	12.2	0	0	0	0	3.9
	19:00	2	1387	17.8	12	12.2	0	0	0	0	3.9
	19:15	2	1390	17.8	12	12	0	0	0	0	3.9
	19:30	2.01	1394	17.8	12	12.2	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	19:45	1.99	1384	17.8	12	12.2	0	0	0	0	3.9
	20:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:15	2	1386	17.8	12	12.2	0	0	0	0	3.9
	20:30	1.99	1380	17.8	12	12.2	0	0	0	0	3.9
	20:45	2	1387	17.8	12	12.1	0	0	0	0	3.9
	21:00	2.02	1398	17.8	12	12.1	0	0	0	0	3.9
	21:15	2	1389	17.8	12	12.1	0	0	0	0	3.9
	21:30	2	1387	17.8	12	12.1	0	0	0	0	3.9
	21:45	2.01	1394	17.8	12	12	0	0	0	0	3.9
	22:00	2	1385	17.8	12	12.1	0	0	0	0	3.9
	22:15	2	1388	17.2	12	11.9	0	0	0	0	3.9
	22:30	2	1385	17.2	12	12	0	0	0	0	3.9
	22:45	2	1386	17.2	12	11.9	0	0	0	0	3.9
	23:00	2.01	1394	17.2	12	12.1	0	0	0	0	3.9
	23:15	2	1387	17.8	12	12	0	0	0	0	3.9
	23:30	2	1387	17.8	12	11.9	0	0	0	0	3.9
	23:45	2.01	1398	17.2	12	11.9	0	0	0	0	3.9
1/29/2014	0:00	2.01	1398	22.6	15	12.1	0	0	0	0	4
	0:15	2.01	1392	22	15	12.2	0	0	0	0	4
	0:30	2.01	1395	22	15	12.3	0	0	0	0	4
	0:45	1.98	1374	22	15	12.5	0	0	0	0	4
	1:00	2.01	1391	22	15	12	0	0	0	0	4
	1:15	2.01	1396	22	15	8.9	0	0	0	0	4
	1:30	2.01	1392	22	15	12.3	0	0	0	0	4
	1:45	2	1387	22	15	12.2	0	0	0	0	4
	2:00	2	1389	22	15	12.4	0	0	0	0	4
	2:15	2	1386	22	15	12.3	0	0	0	0	4
	2:30	2	1389	22	15	12.2	0	0	0	0	4
	2:45	2.01	1396	22	15	12.4	0	0	0	0	4
	3:00	2	1386	22	15	12.4	0	0	0	0	4
	3:15	2	1388	22	15	12.1	0	0	0	0	4
	3:30	2	1385	22	15	12.1	0	0	0	0	4
	3:45	2	1386	22	15	12.5	0	0	0	0	4
	4:00	2.01	1392	22	15	12.2	0	0	0	0	4
	4:15	2.01	1392	22	15	12.2	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	4:30	2	1386	22	15	12.2	0	0	0	0	4
	4:45	1.99	1382	22.6	15	12.4	0	0	0	0	4
	5:00	2.01	1394	22	15	12.4	0	0	0	0	4
	5:15	2	1385	22	15	12.5	0	0	0	0	4
	5:30	2	1389	22	15	12.4	0	0	0	0	4
	5:45	2.01	1396	22	15	12.3	0	0	0	0	4
	6:00	1.99	1384	22.6	15	12.5	0	0	0	0	4
	6:15	2.01	1394	22	15	12	0	0	0	0	4
	6:30	2.02	1400	22	15	12.2	0	0	0	0	4
	6:45	2	1385	22	15	12.1	0	0	0	0	4
	7:00	2.01	1393	22.6	15	12.2	0	0	0	0	4
	7:15	2.01	1396	22	15	12.3	0	0	0	0	4
	7:30	1.99	1382	22.6	15	12.5	0	0	0	0	4
	7:45	1.99	1383	22.6	15	12.5	0	0	0	0	4
	8:00	2	1387	22	15	12.4	0	0	0	0	4
	8:15	2.01	1394	22	15	12.5	0	0	0	0	4
	8:30	1.99	1378	22	15	12.1	0	0	0	0	4
	8:45	2	1387	22	15	12.4	0	0	0	0	4
	9:00	2	1387	22	15	12.3	0	0	0	0	4.1
	9:15	2.01	1393	22.6	15	12.3	0	0	0	0	4.1
	9:30	2	1385	22	15	12.4	0	0	0	0	4.1
	9:45	2.01	1393	22.6	15	12.3	0	0	0	0	6.5
	10:00	2	1386	22	15	12.2	0	0	0	0	3.9
	10:15	1.98	1377	22	15	12.2	0	0	0	0	3.9
	10:30	2	1387	22.6	15	12.1	0	0	0	0	3.9
	10:45	2.01	1392	22.6	15	12.5	0	0	0	0	3.9
	11:00	2	1386	19.9	13	12.1	0	0	0	0	3.9
	11:15	2	1391	22.6	15	12.1	0	0	0	0	3.9
	11:30	2	1388	22.6	15	12.3	0	0	0	0	3.9
	11:45	2	1390	22	15	12.2	0	0	0	0	3.9
	12:00	2	1389	22	15	12.1	0	0	0	0	3.9
	12:15	2.01	1392	22.6	15	12.5	0	0	0	0	3.9
	12:30	2.01	1392	22.6	15	12.2	0	0	0	0	3.9
	12:45	2	1389	22	15	12.2	0	0	0	0	3.9
	13:00	2.01	1396	22.6	15	12.3	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	13:15	2.01	1393	22.6	15	12.1	0	0	0	0	3.9
	13:30	1.98	1376	22.6	15	12.3	0	0	0	0	3.9
	13:45	2.01	1393	22.6	15	12.1	0	0	0	0	3.9
	14:00	2.01	1394	22	15	12.2	0	0	0	0	3.9
	14:15	1.99	1384	22	15	12.3	0	0	0	0	3.9
	14:30	2	1387	22.6	15	12.4	0	0	0	0	3.9
	14:45	2	1391	22	15	12.2	0	0	0	0	3.9
	15:00	1.99	1382	22.6	15	12.2	0	0	0	0	3.9
	15:15	2.01	1391	22	15	12.2	0	0	0	0	3.9
	15:30	2	1387	22.6	15	12.2	0	0	0	0	3.9
	15:45	1.99	1381	22.6	15	12.1	0	0	0	0	3.9
	16:00	2.01	1391	22.6	15	12.3	0	0	0	0	3.9
	16:15	2.01	1398	22.6	15	12.6	0	0	0	0	3.9
	16:30	2.01	1394	22.6	15	12.4	0	0	0	0	3.9
	16:45	1.99	1382	22.6	15	12.1	0	0	0	0	3.9
	17:00	2.01	1395	19.9	13	12.1	0	0	0	0	3.9
	17:15	2	1390	19.9	13	12.3	0	0	0	0	3.9
	17:30	2	1386	19.9	13	12.3	0	0	0	0	3.9
	17:45	2.01	1392	19.9	13	12.2	0	0	0	0	3.9
	18:00	2	1389	19.9	13	12.2	0	0	0	0	3.9
	18:15	2	1386	19.9	13	12.2	0	0	0	0	3.9
	18:30	2	1388	20.4	14	12	0	0	0	0	3.9
	18:45	2	1387	19.9	13	12.2	0	0	0	0	3.9
	19:00	2	1387	19.9	13	12.2	0	0	0	0	3.9
	19:15	2	1386	19.9	13	12	0	0	0	0	3.9
	19:30	2.01	1394	19.9	13	12.2	0	0	0	0	3.9
	19:45	2.01	1394	19.9	13	12.2	0	0	0	0	3.9
	20:00	2	1389	19.9	13	12.2	0	0	0	0	3.9
	20:15	1.99	1384	19.9	13	12.2	0	0	0	0	3.9
	20:30	1.99	1382	19.9	13	12.2	0	0	0	0	3.9
	20:45	2	1385	19.9	13	12.1	0	0	0	0	3.9
	21:00	1.99	1381	19.9	13	12.1	0	0	0	0	3.9
	21:15	2	1385	19.9	13	12.1	0	0	0	0	3.9
	21:30	2.01	1392	20.4	14	12.1	0	0	0	0	3.9
	21:45	2	1385	19.9	13	12	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	22:00	2	1387	20.4	14	12.1	0	0	0	0	3.9
	22:15	2	1390	19.9	13	11.9	0	0	0	0	3.9
	22:30	1.98	1373	19.9	13	12	0	0	0	0	3.9
	22:45	2	1389	19.9	13	11.9	0	0	0	0	3.9
	23:00	2	1385	19.9	13	12.1	0	0	0	0	3.9
	23:15	1.99	1380	19.9	13	12	0	0	0	0	3.9
	23:30	2.01	1394	19.9	13	11.9	0	0	0	0	3.9
	23:45	1.99	1382	19.9	13	11.9	0	0	0	0	3.9
1/30/2014	0:00	2.01	1394	19.9	13	12.1	0	0	0	0	4
	0:15	2.01	1391	19.9	13	12.5	0	0	0	0	4
	0:30	2	1386	19.9	13	12.2	0	0	0	0	4
	0:45	2.01	1394	19.9	13	12.2	0	0	0	0	4
	1:00	2.01	1394	19.9	13	12.3	0	0	0	0	4
	1:15	2.01	1396	20.4	14	12.1	0	0	0	0	4
	1:30	2	1388	19.9	13	12.3	0	0	0	0	4
	1:45	2.01	1396	20.4	14	12.1	0	0	0	0	4
	2:00	2	1389	19.9	13	12.2	0	0	0	0	4
	2:15	2	1388	19.9	13	12.3	0	0	0	0	4
	2:30	2.01	1392	20.4	14	12.4	0	0	0	0	4
	2:45	2.01	1396	19.9	13	12.2	0	0	0	0	4
	3:00	1.98	1371	19.9	13	12.2	0	0	0	0	4
	3:15	1.99	1382	19.9	13	12.2	0	0	0	0	4
	3:30	1.99	1380	19.9	13	12.2	0	0	0	0	4
	3:45	2.01	1397	19.9	13	12.1	0	0	0	0	4
	4:00	1.99	1380	19.9	13	12.3	0	0	0	0	4
	4:15	2	1387	19.9	13	12.6	0	0	0	0	4
	4:30	2.01	1391	19.9	13	12.4	0	0	0	0	4
	4:45	2.01	1396	20.4	14	12.1	0	0	0	0	4
	5:00	2	1391	20.4	14	12.1	0	0	0	0	4
	5:15	2.01	1394	19.9	13	12.3	0	0	0	0	4
	5:30	2.01	1394	20.4	14	12.2	0	0	0	0	4
	5:45	2.01	1392	19.9	13	12.2	0	0	0	0	4
	6:00	2.01	1393	19.9	13	12.2	0	0	0	0	4
	6:15	2.01	1394	19.9	13	12.2	0	0	0	0	4
	6:30	2.02	1401	19.9	13	12	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	6:45	2.02	1399	19.9	13	12.2	0	0	0	0	4
	7:00	1.99	1382	19.9	13	12.2	0	0	0	0	4
	7:15	2	1387	19.9	13	12	0	0	0	0	4
	7:30	2.01	1392	19.9	13	12.2	0	0	0	0	4
	7:45	2.02	1399	17.8	12	12.2	0	0	0	0	4
	8:00	2.01	1394	17.8	12	12.2	0	0	0	0	4
	8:15	2.01	1395	17.8	12	12.2	0	0	0	0	4
	8:30	2.01	1394	17.8	12	12.2	0	0	0	0	4
	8:45	2	1389	17.2	12	12.1	0	0	0	0	4
	9:00	2.01	1394	17.8	12	12.1	0	0	0	0	4.1
	9:15	1.99	1382	17.2	12	12.1	0	0	0	0	4.1
	9:30	2.01	1392	17.8	12	12.1	0	0	0	0	4.1
	9:45	2	1387	17.2	12	12	0	0	0	0	6.5
	10:00	2.01	1391	17.8	12	12.1	0	0	0	0	3.9
	10:15	2	1386	17.8	12	11.9	0	0	0	0	3.9
	10:30	2.01	1396	17.8	12	12	0	0	0	0	3.9
	10:45	1.99	1382	17.8	12	11.9	0	0	0	0	3.9
	11:00	2.01	1393	17.8	12	12.1	0	0	0	0	3.9
	11:15	2	1389	17.2	12	12	0	0	0	0	3.9
	11:30	2	1389	17.8	12	11.9	0	0	0	0	3.9
	11:45	2	1385	17.8	12	11.9	0	0	0	0	3.9
	12:00	2.01	1394	17.8	12	12.1	0	0	0	0	3.9
	12:15	2	1387	17.8	12	12.5	0	0	0	0	3.9
	12:30	2.01	1395	17.8	12	12.2	0	0	0	0	3.9
	12:45	2.01	1393	17.8	12	12.2	0	0	0	0	3.9
	13:00	2	1390	17.8	12	12.3	0	0	0	0	3.9
	13:15	2	1389	17.8	12	12.1	0	0	0	0	3.9
	13:30	2.01	1394	17.8	12	12.3	0	0	0	0	3.9
	13:45	2	1390	17.8	12	12.1	0	0	0	0	3.9
	14:00	2.01	1398	17.8	12	12.2	0	0	0	0	3.9
	14:15	2	1385	17.2	12	12.3	0	0	0	0	3.9
	14:30	2	1389	17.8	12	12.4	0	0	0	0	3.9
	14:45	1.99	1382	17.2	12	12.2	0	0	0	0	3.9
	15:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	15:15	2	1389	17.2	12	12.2	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	15:30	2.02	1398	17.2	12	12.2	0	0	0	0	3.9
	15:45	2	1387	17.8	12	12.1	0	0	0	0	3.9
	16:00	2.02	1398	17.8	12	12.3	0	0	0	0	3.9
	16:15	1.99	1380	17.2	12	12.6	0	0	0	0	3.9
	16:30	2	1387	17.2	12	12.4	0	0	0	0	3.9
	16:45	2	1389	17.8	12	12.1	0	0	0	0	3.9
	17:00	2.02	1401	17.8	12	12.1	0	0	0	0	3.9
	17:15	2.01	1398	17.8	12	12.3	0	0	0	0	3.9
	17:30	2.01	1392	17.8	12	12.2	0	0	0	0	3.9
	17:45	2.02	1398	17.2	12	12.2	0	0	0	0	3.9
	18:00	2.01	1394	17.8	12	12.2	0	0	0	0	3.9
	18:15	2	1391	17.8	12	12.2	0	0	0	0	3.9
	18:30	1.98	1374	17.8	12	12	0	0	0	0	3.9
	18:45	2	1389	17.8	12	12.2	0	0	0	0	3.9
	19:00	2.01	1396	17.8	12	12.2	0	0	0	0	3.9
	19:15	2	1387	17.8	12	12	0	0	0	0	3.9
	19:30	2	1390	17.8	12	12.2	0	0	0	0	3.9
	19:45	2.01	1394	17.8	12	12.2	0	0	0	0	3.9
	20:00	1.99	1384	17.8	12	12.2	0	0	0	0	3.9
	20:15	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:30	2	1386	17.8	12	12.2	0	0	0	0	3.9
	20:45	1.99	1380	17.8	12	12.1	0	0	0	0	3.9
	21:00	2	1387	17.8	12	12.1	0	0	0	0	3.9
	21:15	2.02	1398	17.8	12	12.1	0	0	0	0	3.9
	21:30	2	1389	17.8	12	12.1	0	0	0	0	3.9
	21:45	2	1387	17.8	12	12	0	0	0	0	3.9
	22:00	2.01	1394	17.8	12	12.1	0	0	0	0	3.9
	22:15	2	1385	17.2	12	11.9	0	0	0	0	3.9
	22:30	2	1388	17.2	12	12	0	0	0	0	3.9
	22:45	2	1385	17.2	12	11.9	0	0	0	0	3.9
	23:00	2	1386	17.2	12	12.1	0	0	0	0	3.9
	23:15	2.01	1394	17.8	12	12	0	0	0	0	3.9
	23:30	2	1387	17.8	12	11.9	0	0	0	0	3.9
	23:45	2	1387	17.2	12	11.9	0	0	0	0	3.9
1/31/2014	0:00	2.01	1391	19.9	13	12.1	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	0:15	2	1386	19.9	13	12.5	0	0	0	0	4
	0:30	2.01	1394	19.9	13	12.2	0	0	0	0	4
	0:45	2.01	1394	19.9	13	12.2	0	0	0	0	4
	1:00	2.01	1396	19.9	13	12.3	0	0	0	0	4
	1:15	2	1388	19.9	13	12.1	0	0	0	0	4
	1:30	2.01	1396	19.9	13	12.3	0	0	0	0	4
	1:45	2	1389	19.9	13	12.1	0	0	0	0	4
	2:00	2	1388	20.4	14	12.2	0	0	0	0	4
	2:15	2.01	1392	20.4	14	12.3	0	0	0	0	4
	2:30	2.01	1396	19.9	13	12.4	0	0	0	0	4
	2:45	1.98	1371	20.4	14	12.2	0	0	0	0	4
	3:00	1.99	1382	19.9	13	12.2	0	0	0	0	4
	3:15	1.99	1380	19.9	13	12.2	0	0	0	0	4
	3:30	2.01	1397	19.9	13	12.2	0	0	0	0	4
	3:45	1.99	1380	19.9	13	12.1	0	0	0	0	4
	4:00	2	1387	19.9	13	12.3	0	0	0	0	4
	4:15	2.01	1391	19.9	13	12.6	0	0	0	0	4
	4:30	2.01	1396	19.9	13	12.4	0	0	0	0	4
	4:45	2	1391	19.9	13	12.1	0	0	0	0	4
	5:00	2.01	1394	22	15	12.1	0	0	0	0	4
	5:15	2.01	1394	22	15	12.3	0	0	0	0	4
	5:30	2.01	1392	22	15	12.3	0	0	0	0	4
	5:45	2.01	1393	22	15	12.2	0	0	0	0	4
	6:00	2.01	1394	22	15	12.2	0	0	0	0	4
	6:15	2.02	1401	22	15	12.2	0	0	0	0	4
	6:30	2.02	1399	22	15	12	0	0	0	0	4
	6:45	1.99	1382	22	15	12.2	0	0	0	0	4
	7:00	2	1387	22.6	15	12.2	0	0	0	0	4
	7:15	2.01	1392	22	15	12	0	0	0	0	4
	7:30	2.02	1399	22	15	12.2	0	0	0	0	4
	7:45	2.01	1394	22	15	12.2	0	0	0	0	4
	8:00	2.01	1395	22	15	12.2	0	0	0	0	4
	8:15	2.01	1394	22	15	12.2	0	0	0	0	4
	8:30	2	1389	22	15	12.2	0	0	0	0	4
	8:45	2.01	1394	22	15	12.1	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	9:00	1.99	1382	22	15	12.1	0	0	0	0	4.1
	9:15	2.01	1392	22	15	12.1	0	0	0	0	4.1
	9:30	2	1387	22	15	12.1	0	0	0	0	4.1
	9:45	2.01	1391	22	15	12	0	0	0	0	6.5
	10:00	2	1386	22	15	12.1	0	0	0	0	3.9
	10:15	2.01	1396	22	15	11.9	0	0	0	0	3.9
	10:30	1.99	1382	22	15	12	0	0	0	0	3.9
	10:45	2.01	1393	22.6	15	11.9	0	0	0	0	3.9
	11:00	2	1389	22	15	12.1	0	0	0	0	3.9
	11:15	2	1389	22	15	12	0	0	0	0	3.9
	11:30	2	1385	22	15	11.9	0	0	0	0	3.9
	11:45	2.01	1394	22	15	11.9	0	0	0	0	3.9
	12:00	2	1387	22	15	12.1	0	0	0	0	3.9
	12:15	2.01	1395	22	15	12.5	0	0	0	0	3.9
	12:30	2.01	1393	22	15	12.2	0	0	0	0	3.9
	12:45	2	1390	22	15	12.2	0	0	0	0	3.9
	13:00	2	1389	22	15	12.3	0	0	0	0	3.9
	13:15	2.01	1394	22	15	12.1	0	0	0	0	3.9
	13:30	2.01	1391	22	15	12.3	0	0	0	0	3.9
	13:45	1.99	1380	22	15	12.1	0	0	0	0	3.9
	14:00	2	1389	22	15	12.2	0	0	0	0	3.9
	14:15	1.98	1377	22	15	12.3	0	0	0	0	3.9
	14:30	2.01	1393	22	15	12.4	0	0	0	0	3.9
	14:45	2	1391	22	15	12.2	0	0	0	0	3.9
	15:00	1.99	1380	22	15	12.2	0	0	0	0	3.9
	15:15	2	1389	22	15	12.2	0	0	0	0	3.9
	15:30	2	1390	22.6	15	12.2	0	0	0	0	3.9
	15:45	1.99	1378	22	15	12.1	0	0	0	0	3.9
	16:00	2	1387	22	15	12.3	0	0	0	0	3.9
	16:15	2.01	1391	22	15	12.6	0	0	0	0	3.9
	16:30	2	1391	22	15	12.4	0	0	0	0	3.9
	16:45	2.02	1400	22	15	12.1	0	0	0	0	3.9
	17:00	2	1385	22	15	12.1	0	0	0	0	3.9
	17:15	1.99	1384	22.6	15	12.3	0	0	0	0	3.9
	17:30	1.99	1378	22	15	12.3	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	17:45	2.01	1395	22	15	12.2	0	0	0	0	3.9
	18:00	2.01	1396	22	15	12.2	0	0	0	0	3.9
	18:15	2	1385	22	15	12.2	0	0	0	0	3.9
	18:30	1.99	1379	22	15	12	0	0	0	0	3.9
	18:45	2.01	1397	22	15	12.2	0	0	0	0	3.9
	19:00	1.99	1382	22	15	12.2	0	0	0	0	3.9
	19:15	2.02	1399	22	15	12	0	0	0	0	3.9
	19:30	2.01	1392	22	15	12.2	0	0	0	0	3.9
	19:45	2	1387	22	15	12.2	0	0	0	0	3.9
	20:00	2	1386	22	15	12.2	0	0	0	0	3.9
	20:15	2	1388	22	15	12.2	0	0	0	0	3.9
	20:30	1.99	1383	22	15	12.2	0	0	0	0	3.9
	20:45	2	1386	22	15	12.1	0	0	0	0	3.9
	21:00	2.02	1399	22	15	12.1	0	0	0	0	3.9
	21:15	2.01	1393	22	15	12.1	0	0	0	0	3.9
	21:30	2	1386	22	15	12.1	0	0	0	0	3.9
	21:45	2	1387	22	15	12	0	0	0	0	3.9
	22:00	1.99	1378	22.6	15	12.1	0	0	0	0	3.9
	22:15	1.98	1376	22	15	11.9	0	0	0	0	3.9
	22:30	1.99	1383	22	15	12	0	0	0	0	3.9
	22:45	2	1385	22	15	11.9	0	0	0	0	3.9
	23:00	2.01	1394	22	15	12.1	0	0	0	0	3.9
	23:15	2	1391	22	15	12	0	0	0	0	3.9
	23:30	2.01	1391	22	15	11.9	0	0	0	0	3.9
	23:45	2.01	1396	22	15	11.9	0	0	0	0	3.9
2/1/2014	0:00	2.01	1392	22.6	15	12.1	0	0	0	0	4
	0:15	2.01	1395	22	15	12.2	0	0	0	0	4
	0:30	1.98	1374	22	15	12.3	0	0	0	0	4
	0:45	2.01	1391	22	15	12.5	0	0	0	0	4
	1:00	2.01	1396	22	15	12	0	0	0	0	4
	1:15	2.01	1392	22	15	8.9	0	0	0	0	4
	1:30	2	1387	22	15	12.3	0	0	0	0	4
	1:45	2	1389	22	15	12.2	0	0	0	0	4
	2:00	2	1386	22	15	12.4	0	0	0	0	4
	2:15	2	1389	22	15	12.3	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	2:30	2.01	1396	22	15	12.2	0	0	0	0	4
	2:45	2	1386	22	15	12.4	0	0	0	0	4
	3:00	2	1388	22	15	12.4	0	0	0	0	4
	3:15	2	1385	22	15	12.1	0	0	0	0	4
	3:30	2	1386	22	15	12.1	0	0	0	0	4
	3:45	2.01	1392	22	15	12.5	0	0	0	0	4
	4:00	2.01	1392	22	15	12.2	0	0	0	0	4
	4:15	2	1386	22	15	12.2	0	0	0	0	4
	4:30	1.99	1382	22	15	12.2	0	0	0	0	4
	4:45	2.01	1394	22.6	15	12.4	0	0	0	0	4
	5:00	2	1385	22	15	12.4	0	0	0	0	4
	5:15	2	1389	22	15	12.5	0	0	0	0	4
	5:30	2.01	1396	22	15	12.4	0	0	0	0	4
	5:45	1.99	1384	22	15	12.3	0	0	0	0	4
	6:00	2.01	1394	22.6	15	12.5	0	0	0	0	4
	6:15	2.02	1400	22	15	12	0	0	0	0	4
	6:30	2	1385	22	15	12.2	0	0	0	0	4
	6:45	2.01	1393	22	15	12.1	0	0	0	0	4
	7:00	2.01	1396	22.6	15	12.2	0	0	0	0	4
	7:15	1.99	1382	22	15	12.3	0	0	0	0	4
	7:30	1.99	1383	22.6	15	12.5	0	0	0	0	4
	7:45	2	1387	22.6	15	12.5	0	0	0	0	4
	8:00	2.01	1394	22	15	12.4	0	0	0	0	4
	8:15	1.99	1378	22	15	12.5	0	0	0	0	4
	8:30	2	1387	22	15	12.1	0	0	0	0	4
	8:45	2	1387	22	15	12.4	0	0	0	0	4
	9:00	2.01	1393	22	15	12.3	0	0	0	0	4.1
	9:15	2	1385	22.6	15	12.3	0	0	0	0	4.1
	9:30	2.01	1393	22	15	12.4	0	0	0	0	4.1
	9:45	2	1386	22.6	15	12.3	0	0	0	0	6.5
	10:00	1.98	1377	22	15	12.2	0	0	0	0	3.9
	10:15	2	1387	22	15	12.2	0	0	0	0	3.9
	10:30	2.01	1392	22.6	15	12.1	0	0	0	0	3.9
	10:45	2	1386	22.6	15	12.5	0	0	0	0	3.9
	11:00	2	1391	19.9	13	12.1	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	11:15	2	1388	22.6	15	12.1	0	0	0	0	3.9
	11:30	2	1390	22.6	15	12.3	0	0	0	0	3.9
	11:45	2	1389	22	15	12.2	0	0	0	0	3.9
	12:00	2.01	1392	22	15	12.1	0	0	0	0	3.9
	12:15	2.01	1392	22.6	15	12.5	0	0	0	0	3.9
	12:30	2	1389	22.6	15	12.2	0	0	0	0	3.9
	12:45	2.01	1396	22	15	12.2	0	0	0	0	3.9
	13:00	2.01	1393	22.6	15	12.3	0	0	0	0	3.9
	13:15	1.98	1376	22.6	15	12.1	0	0	0	0	3.9
	13:30	2.01	1393	22.6	15	12.3	0	0	0	0	3.9
	13:45	2.01	1394	22.6	15	12.1	0	0	0	0	3.9
	14:00	1.99	1384	22	15	12.2	0	0	0	0	3.9
	14:15	2	1387	22	15	12.3	0	0	0	0	3.9
	14:30	2	1391	22.6	15	12.4	0	0	0	0	3.9
	14:45	1.99	1382	22	15	12.2	0	0	0	0	3.9
	15:00	2.01	1391	22.6	15	12.2	0	0	0	0	3.9
	15:15	2	1387	22	15	12.2	0	0	0	0	3.9
	15:30	1.99	1381	22.6	15	12.2	0	0	0	0	3.9
	15:45	2.01	1391	22.6	15	12.1	0	0	0	0	3.9
	16:00	2.01	1398	22.6	15	12.3	0	0	0	0	3.9
	16:15	2.01	1394	22.6	15	12.6	0	0	0	0	3.9
	16:30	1.99	1382	22.6	15	12.4	0	0	0	0	3.9
	16:45	2.01	1395	22.6	15	12.1	0	0	0	0	3.9
	17:00	2	1390	19.9	13	12.1	0	0	0	0	3.9
	17:15	2	1386	19.9	13	12.3	0	0	0	0	3.9
	17:30	2.01	1392	19.9	13	12.3	0	0	0	0	3.9
	17:45	2	1389	19.9	13	12.2	0	0	0	0	3.9
	18:00	2	1386	19.9	13	12.2	0	0	0	0	3.9
	18:15	2	1388	19.9	13	12.2	0	0	0	0	3.9
	18:30	2	1387	20.4	14	12	0	0	0	0	3.9
	18:45	2	1387	19.9	13	12.2	0	0	0	0	3.9
	19:00	2	1386	19.9	13	12.2	0	0	0	0	3.9
	19:15	2.01	1394	19.9	13	12	0	0	0	0	3.9
	19:30	2.01	1394	19.9	13	12.2	0	0	0	0	3.9
	19:45	2	1389	19.9	13	12.2	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	20:00	1.99	1384	19.9	13	12.2	0	0	0	0	3.9
	20:15	1.99	1382	19.9	13	12.2	0	0	0	0	3.9
	20:30	2	1385	19.9	13	12.2	0	0	0	0	3.9
	20:45	1.99	1381	19.9	13	12.1	0	0	0	0	3.9
	21:00	2	1385	19.9	13	12.1	0	0	0	0	3.9
	21:15	2.01	1392	19.9	13	12.1	0	0	0	0	3.9
	21:30	2	1385	20.4	14	12.1	0	0	0	0	3.9
	21:45	2	1387	19.9	13	12	0	0	0	0	3.9
	22:00	2	1390	20.4	14	12.1	0	0	0	0	3.9
	22:15	1.98	1373	19.9	13	11.9	0	0	0	0	3.9
	22:30	2	1389	19.9	13	12	0	0	0	0	3.9
	22:45	2	1385	19.9	13	11.9	0	0	0	0	3.9
	23:00	1.99	1380	19.9	13	12.1	0	0	0	0	3.9
	23:15	2.01	1394	19.9	13	12	0	0	0	0	3.9
	23:30	1.99	1382	19.9	13	11.9	0	0	0	0	3.9
	23:45	2.01	1394	19.9	13	11.9	0	0	0	0	3.9
2/2/2014	0:00	2.01	1391	19.9	13	12.1	0	0	0	0	4
	0:15	2	1386	19.9	13	12.5	0	0	0	0	4
	0:30	2.01	1394	19.9	13	12.2	0	0	0	0	4
	0:45	2.01	1394	19.9	13	12.2	0	0	0	0	4
	1:00	2.01	1396	19.9	13	12.3	0	0	0	0	4
	1:15	2	1388	20.4	14	12.1	0	0	0	0	4
	1:30	2.01	1396	19.9	13	12.3	0	0	0	0	4
	1:45	2	1389	20.4	14	12.1	0	0	0	0	4
	2:00	2	1388	19.9	13	12.2	0	0	0	0	4
	2:15	2.01	1392	19.9	13	12.3	0	0	0	0	4
	2:30	2.01	1396	20.4	14	12.4	0	0	0	0	4
	2:45	1.98	1371	19.9	13	12.2	0	0	0	0	4
	3:00	1.99	1382	19.9	13	12.2	0	0	0	0	4
	3:15	1.99	1380	19.9	13	12.2	0	0	0	0	4
	3:30	2.01	1397	19.9	13	12.2	0	0	0	0	4
	3:45	1.99	1380	19.9	13	12.1	0	0	0	0	4
	4:00	2	1387	19.9	13	12.3	0	0	0	0	4
	4:15	2.01	1391	19.9	13	12.6	0	0	0	0	4
	4:30	2.01	1396	19.9	13	12.4	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	4:45	2	1391	20.4	14	12.1	0	0	0	0	4
	5:00	2.01	1394	20.4	14	12.1	0	0	0	0	4
	5:15	2.01	1394	19.9	13	12.3	0	0	0	0	4
	5:30	2.01	1392	20.4	14	12.2	0	0	0	0	4
	5:45	2.01	1393	19.9	13	12.2	0	0	0	0	4
	6:00	2.01	1394	19.9	13	12.2	0	0	0	0	4
	6:15	2.02	1401	19.9	13	12.2	0	0	0	0	4
	6:30	2.02	1399	19.9	13	12	0	0	0	0	4
	6:45	1.99	1382	19.9	13	12.2	0	0	0	0	4
	7:00	2	1387	19.9	13	12.2	0	0	0	0	4
	7:15	2.01	1392	19.9	13	12	0	0	0	0	4
	7:30	2.02	1399	19.9	13	12.2	0	0	0	0	4
	7:45	2.01	1394	17.8	12	12.2	0	0	0	0	4
	8:00	2.01	1395	17.8	12	12.2	0	0	0	0	4
	8:15	2.01	1394	17.8	12	12.2	0	0	0	0	4
	8:30	2	1389	17.8	12	12.2	0	0	0	0	4
	8:45	2.01	1394	17.2	12	12.1	0	0	0	0	4
	9:00	1.99	1382	17.8	12	12.1	0	0	0	0	4.1
	9:15	2.01	1392	17.2	12	12.1	0	0	0	0	4.1
	9:30	2	1387	17.8	12	12.1	0	0	0	0	4.1
	9:45	2.01	1391	17.2	12	12	0	0	0	0	6.5
	10:00	2	1386	17.8	12	12.1	0	0	0	0	3.9
	10:15	2.01	1396	17.8	12	11.9	0	0	0	0	3.9
	10:30	1.99	1382	17.8	12	12	0	0	0	0	3.9
	10:45	2.01	1393	17.8	12	11.9	0	0	0	0	3.9
	11:00	2	1389	17.8	12	12.1	0	0	0	0	3.9
	11:15	2	1389	17.2	12	12	0	0	0	0	3.9
	11:30	2	1385	17.8	12	11.9	0	0	0	0	3.9
	11:45	2.01	1394	17.8	12	11.9	0	0	0	0	3.9
	12:00	2	1387	17.8	12	12.1	0	0	0	0	3.9
	12:15	2.01	1395	17.8	12	12.5	0	0	0	0	3.9
	12:30	2.01	1393	17.8	12	12.2	0	0	0	0	3.9
	12:45	2	1390	17.8	12	12.2	0	0	0	0	3.9
	13:00	2	1389	17.8	12	12.3	0	0	0	0	3.9
	13:15	2.01	1394	17.8	12	12.1	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	13:30	2	1390	17.8	12	12.3	0	0	0	0	3.9
	13:45	2.01	1398	17.8	12	12.1	0	0	0	0	3.9
	14:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	14:15	2	1389	17.2	12	12.3	0	0	0	0	3.9
	14:30	1.99	1382	17.8	12	12.4	0	0	0	0	3.9
	14:45	2	1385	17.2	12	12.2	0	0	0	0	3.9
	15:00	2	1389	17.8	12	12.2	0	0	0	0	3.9
	15:15	2.02	1398	17.2	12	12.2	0	0	0	0	3.9
	15:30	2	1387	17.2	12	12.2	0	0	0	0	3.9
	15:45	2.02	1398	17.8	12	12.1	0	0	0	0	3.9
	16:00	1.99	1380	17.8	12	12.3	0	0	0	0	3.9
	16:15	2	1387	17.2	12	12.6	0	0	0	0	3.9
	16:30	2	1389	17.2	12	12.4	0	0	0	0	3.9
	16:45	2.02	1401	17.8	12	12.1	0	0	0	0	3.9
	17:00	2.01	1398	17.8	12	12.1	0	0	0	0	3.9
	17:15	2.01	1392	17.8	12	12.3	0	0	0	0	3.9
	17:30	2.02	1398	17.8	12	12.2	0	0	0	0	3.9
	17:45	2.01	1394	17.2	12	12.2	0	0	0	0	3.9
	18:00	2	1391	17.8	12	12.2	0	0	0	0	3.9
	18:15	1.98	1374	17.8	12	12.2	0	0	0	0	3.9
	18:30	2	1389	17.8	12	12	0	0	0	0	3.9
	18:45	2.01	1396	17.8	12	12.2	0	0	0	0	3.9
	19:00	2	1387	17.8	12	12.2	0	0	0	0	3.9
	19:15	2	1390	17.8	12	12	0	0	0	0	3.9
	19:30	2.01	1394	17.8	12	12.2	0	0	0	0	3.9
	19:45	1.99	1384	17.8	12	12.2	0	0	0	0	3.9
	20:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:15	2	1386	17.8	12	12.2	0	0	0	0	3.9
	20:30	1.99	1380	17.8	12	12.2	0	0	0	0	3.9
	20:45	2	1387	17.8	12	12.1	0	0	0	0	3.9
	21:00	2.02	1398	17.8	12	12.1	0	0	0	0	3.9
	21:15	2	1389	17.8	12	12.1	0	0	0	0	3.9
	21:30	2	1387	17.8	12	12.1	0	0	0	0	3.9
	21:45	2.01	1394	17.8	12	12	0	0	0	0	3.9
	22:00	2	1385	17.8	12	12.1	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	22:15	2	1388	17.2	12	11.9	0	0	0	0	3.9
	22:30	2	1385	17.2	12	12	0	0	0	0	3.9
	22:45	2	1386	17.2	12	11.9	0	0	0	0	3.9
	23:00	2.01	1394	17.2	12	12.1	0	0	0	0	3.9
	23:15	2	1387	17.8	12	12	0	0	0	0	3.9
	23:30	2	1387	17.8	12	11.9	0	0	0	0	3.9
	23:45	2.01	1398	17.2	12	11.9	0	0	0	0	3.9
2/3/2014	0:00	1.99	1384	17.8	12	12.1	0	0	0	0	4
	0:15	2	1388	17.8	12	12.5	0	0	0	0	4
	0:30	2	1385	17.2	12	12.2	0	0	0	0	4
	0:45	2.01	1396	17.8	12	12.2	0	0	0	0	4
	1:00	2.01	1391	17.8	12	12.3	0	0	0	0	4
	1:15	2	1385	17.8	12	12.1	0	0	0	0	4
	1:30	2	1388	17.8	12	12.3	0	0	0	0	4
	1:45	1.99	1381	17.8	12	12.1	0	0	0	0	4
	2:00	2	1385	17.8	12	12.2	0	0	0	0	4
	2:15	2	1387	17.2	12	12.3	0	0	0	0	4
	2:30	1.99	1382	17.8	12	12.4	0	0	0	0	4
	2:45	2	1387	17.8	12	12.2	0	0	0	0	4
	3:00	2.01	1394	17.8	12	12.2	0	0	0	0	4
	3:15	2	1385	17.8	12	12.2	0	0	0	0	4
	3:30	1.99	1380	17.8	12	12.2	0	0	0	0	4
	3:45	2	1388	17.8	12	12.1	0	0	0	0	4
	4:00	2	1386	17.8	12	12.3	0	0	0	0	4
	4:15	2.01	1396	17.8	12	12.6	0	0	0	0	4
	4:30	2	1388	17.2	12	12.4	0	0	0	0	4
	4:45	2	1387	17.8	12	12.1	0	0	0	0	4
	5:00	2.02	1399	17.8	12	12.1	0	0	0	0	4
	5:15	2	1391	17.2	12	12.3	0	0	0	0	4
	5:30	2	1389	17.8	12	12.3	0	0	0	0	4
	5:45	2	1389	17.8	12	12.2	0	0	0	0	4
	6:00	2	1389	17.8	12	12.2	0	0	0	0	4
	6:15	1.99	1382	17.8	12	12.2	0	0	0	0	4
	6:30	2.01	1397	17.2	12	12	0	0	0	0	4
	6:45	1.99	1384	17.8	12	12.2	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	7:00	2	1389	17.8	12	12.2	0	0	0	0	4
	7:15	1.99	1383	17.8	12	12	0	0	0	0	4
	7:30	2	1385	17.8	12	12.2	0	0	0	0	4
	7:45	1.99	1381	17.2	12	12.2	0	0	0	0	4
	8:00	2.01	1394	17.2	12	12.2	0	0	0	0	4
	8:15	2.01	1391	17.2	12	12.2	0	0	0	0	4
	8:30	1.98	1372	17.8	12	12.2	0	0	0	0	4
	8:45	2	1385	17.2	12	12.1	0	0	0	0	4
	9:00	1.99	1381	17.2	12	12.1	0	0	0	0	4.1
	9:15	2.01	1392	17.8	12	12.1	0	0	0	0	4.1
	9:30	1.99	1383	17.2	12	12.1	0	0	0	0	4.1
	9:45	1.99	1384	17.2	12	12	0	0	0	0	6.5
	10:00	2	1387	17.2	12	12.1	0	0	0	0	3.9
	10:15	1.99	1383	17.2	12	11.9	0	0	0	0	3.9
	10:30	1.99	1384	17.2	12	12	0	0	0	0	3.9
	10:45	2.01	1393	17.2	12	11.9	0	0	0	0	3.9
	11:00	2	1389	17.2	12	12.1	0	0	0	0	3.9
	11:15	2.01	1394	17.2	12	12	0	0	0	0	3.9
	11:30	1.98	1377	17.2	12	11.9	0	0	0	0	3.9
	11:45	2.01	1393	17.2	12	11.9	0	0	0	0	3.9
	12:00	1.99	1384	17.2	12	12.1	0	0	0	0	3.9
	12:15	2	1386	17.2	12	12.5	0	0	0	0	3.9
	12:30	1.99	1378	17.2	12	12.2	0	0	0	0	3.9
	12:45	1.98	1376	17.2	12	12.2	0	0	0	0	3.9
	13:00	2.01	1391	17.8	12	12.3	0	0	0	0	3.9
	13:15	2.01	1392	17.2	12	12.1	0	0	0	0	3.9
	13:30	2	1385	17.2	12	12.3	0	0	0	0	3.9
	13:45	2	1389	17.8	12	12.1	0	0	0	0	3.9
	14:00	2	1387	17.2	12	12.2	0	0	0	0	3.9
	14:15	2	1388	17.2	12	12.3	0	0	0	0	3.9
	14:30	2	1390	17.2	12	12.4	0	0	0	0	3.9
	14:45	2	1387	17.2	12	12.2	0	0	0	0	3.9
	15:00	2.01	1391	17.2	12	12.2	0	0	0	0	3.9
	15:15	2	1387	17.2	12	12.2	0	0	0	0	3.9
	15:30	2.01	1394	17.8	12	12.2	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	15:45	0	0	19.9	13	12.1	0	0	0	0	3.9
	16:00	2	1389	17.8	12	12.3	0	0	0	0	3.9
	16:15	1.79	1242	12.9	8.7	12.6	0	0	0	0	3.9
	16:30	0.27	188	54.1	36	12.4	0	0	0	0	3.9
	16:45	2	1385	17.8	12	12.1	0	0	0	0	3.9
	17:00	1.99	1382	17.2	12	12.1	0	0	0	0	3.9
	17:15	2.01	1396	17.8	12	12.3	0	0	0	0	3.9
	17:30	1.99	1379	17.8	12	12.3	0	0	0	0	3.9
	17:45	2	1390	17.8	12	12.2	0	0	0	0	3.9
	18:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	18:15	2	1385	17.8	12	12.2	0	0	0	0	3.9
	18:30	2	1385	17.8	12	12	0	0	0	0	3.9
	18:45	2	1385	17.8	12	12.2	0	0	0	0	3.9
	19:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	19:15	2	1385	17.8	12	12	0	0	0	0	3.9
	19:30	2	1385	17.8	12	12.2	0	0	0	0	3.9
	19:45	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:00	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:15	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:30	2	1385	17.8	12	12.2	0	0	0	0	3.9
	20:45	2	1385	17.8	12	12.1	0	0	0	0	3.9
	21:00	2	1385	17.8	12	12.1	0	0	0	0	3.9
	21:15	2	1385	17.8	12	12.1	0	0	0	0	3.9
	21:30	2	1385	17.8	12	12.1	0	0	0	0	3.9
	21:45	2	1385	17.8	12	12	0	0	0	0	3.9
	22:00	2	1385	17.8	12	12.1	0	0	0	0	3.9
	22:15	2	1385	17.8	12	11.9	0	0	0	0	3.9
	22:30	2	1385	17.8	12	12	0	0	0	0	3.9
	22:45	2	1385	17.8	12	11.9	0	0	0	0	3.9
	23:00	2	1385	17.8	12	12.1	0	0	0	0	3.9
	23:15	2	1385	17.8	12	12	0	0	0	0	3.9
	23:30	2	1385	17.8	12	11.9	0	0	0	0	3.9
	23:45	2	1385	17.8	12	11.9	0	0	0	0	3.9
2/4/2014	0:00	2	1388	17.8	12	12.1	0	0	0	0	4
	0:15	1.99	1381	17.8	12	12.2	0	0	0	0	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	0:30	2.01	1395	17.8	12	12.3	0	0	0	0	4
	0:45	2	1388	17.8	12	12.5	0	0	0	0	4
	1:00	1.99	1381	17.8	12	12	0	0	0	0	4
	1:15	2.01	1395	17.8	12	8.9	0	0	0	0	4
	1:30	2	1388	17.2	12	12.3	0	0	0	0	4
	1:45	1.98	1374	17.8	12	12.2	0	0	0	0	4
	2:00	2.02	1402	17.8	12	12.4	0	0	0	0	4
	2:15	1.99	1381	17.2	12	12.3	0	0	0	0	4
	2:30	2	1388	17.2	12	12.2	0	0	0	0	4
	2:45	2	1388	17.8	12	12.4	0	0	0	0	4
	3:00	2	1388	17.8	12	12.4	0	0	0	0	4
	3:15	1.99	1381	17.8	12	12.1	0	0	0	0	4
	3:30	2	1388	17.8	12	12.1	0	0	0	0	4
	3:45	2	1388	17.2	12	12.5	0	0	0	0	4
	4:00	1.99	1381	17.8	12	12.2	0	0	0	0	4
	4:15	2	1388	17.2	12	12.2	0	0	0	0	4
	4:30	2	1388	17.8	12	12.2	0	0	0	0	4
	4:45	2	1388	17.8	12	12.4	0	0	0	0	4
	5:00	2.01	1395	17.8	12	12.4	0	0	0	0	4
	5:15	2	1388	17.8	12	12.5	0	0	0	0	4
	5:30	1.99	1381	17.8	12	12.4	0	0	0	0	4
	5:45	2	1388	17.8	12	12.3	0	0	0	0	4
	6:00	2	1388	17.8	12	12.5	0	0	0	0	4
	6:15	2	1388	17.8	12	12	0	0	0	0	4
	6:30	2	1388	17.8	12	12.2	0	0	0	0	4
	6:45	2	1388	17.8	12	12.1	0	0	0	0	4
	7:00	2	1388	17.8	12	12.2	0	0	0	0	4
	7:15	1.99	1381	17.8	12	12.3	0	0	0	0	4
	7:30	2	1388	17.8	12	12.5	0	0	0	0	4
	7:45	2	1388	17.8	12	12.5	0	0	0	0	4
	8:00	2	1388	17.8	12	12.4	0	0	0	0	4
	8:15	2	1388	17.8	12	12.5	0	0	0	0	4
	8:30	1.99	1381	17.8	12	12.1	0	0	0	0	4
	8:45	2	1388	17.8	12	12.4	0	0	0	0	4
	9:00	2.01	1395	17.8	12	12.3	0	0	0	0	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	9:15	1.99	1381	17.8	12	4.1	0	0	0	0	4.1
	9:30	1.99	1381	17.8	12	12.4	0	0	0	0	4.1
	9:45	2.01	1395	17.2	12	12.3	0	0	0	0	6.5
	10:00	1.99	1381	17.2	12	12.2	0	0	0	0	3.9
	10:15	2	1388	17.8	12	12.2	0	0	0	0	3.9
	10:30	2	1388	17.8	12	12.1	0	0	0	0	3.9
	10:45	2	1388	17.8	12	12.5	0	0	0	0	3.9
	11:00	2	1388	17.8	12	12.1	0	0	0	0	3.9
	11:15	1.99	1381	17.8	12	12.1	0	0	0	0	3.9
	11:30	2	1388	17.8	12	12.3	0	0	0	0	3.9
	11:45	2	1388	17.8	12	12.2	0	0	0	0	3.9
	12:00	2	1388	17.8	12	12.1	0	0	0	0	3.9
	12:15	2	1388	17.8	12	12.5	0	0	0	0	3.9
	12:30	2	1388	17.8	12	12.2	0	0	0	0	3.9
	12:45	2	1388	17.2	12	12.2	0	0	0	0	3.9
	13:00	2.01	1395	17.8	12	12.3	0	0	0	0	3.9
	13:15	2	1388	17.8	12	12.1	0	0	0	0	3.9
	13:30	2.01	1395	17.8	12	12.3	0	0	0	0	3.9
	13:45	1.99	1381	17.8	12	12.1	0	0	0	0	3.9
	14:00	2	1388	17.8	12	12.2	0	0	0	0	3.9
	14:15	2	1388	17.2	12	12.3	0	0	0	0	3.9
	14:30	2	1388	17.8	12	12.4	0	0	0	0	3.9
	14:45	2	1388	17.2	12	12.2	0	0	0	0	3.9
	15:00	2	1388	17.8	12	12.2	0	0	0	0	3.9
	15:15	2	1388	17.8	12	12.2	0	0	0	0	3.9
	15:30	2	1388	17.2	12	12.2	0	0	0	0	3.9
	15:45	1.99	1381	17.8	12	12.1	0	0	0	0	3.9
	16:00	2	1388	17.8	12	12.3	0	0	0	0	3.9
	16:15	1.37	951	22.6	15	12.6	0	0	0	0	3.9
	16:30	1.19	826	24.2	16	12.4	0	0	0	0	3.9
	16:45	2.01	1395	17.8	12	12.1	0	0	0	0	3.9
	17:00	1.99	1381	17.2	12	12.1	0	0	0	0	3.9
	17:15	1.99	1381	17.8	12	12.3	0	0	0	0	3.9
	17:30	2	1388	17.8	12	4	0	0	0	0	3.9
	17:45	2	1388	17.8	12	12.2	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	18:00	2	1388	17.8	12	12.2	0	0	0	0	3.9
	18:15	1.99	1381	17.8	12	12.2	0	0	0	0	3.9
	18:30	1.99	1381	17.8	12	12	0	0	0	0	3.9
	18:45	2	1388	17.8	12	12.2	0	0	0	0	3.9
	19:00	1.99	1381	17.8	12	12.2	0	0	0	0	3.9
	19:15	1.99	1381	17.8	12	12	0	0	0	0	3.9
	19:30	1.99	1381	17.8	12	12.2	0	0	0	0	3.9
	19:45	1.99	1381	17.8	12	12.2	0	0	0	0	3.9
	20:00	1.99	1381	17.8	12	12.2	0	0	0	0	3.9
	20:15	1.98	1374	17.2	12	12.2	0	0	0	0	3.9
	20:30	1.99	1381	17.2	12	12.2	0	0	0	0	3.9
	20:45	1.99	1381	17.8	12	12.1	0	0	0	0	3.9
	21:00	1.99	1381	17.8	12	12.1	0	0	0	0	3.9
	21:15	1.98	1374	17.8	12	12.1	0	0	0	0	3.9
	21:30	1.98	1374	17.8	12	12.1	0	0	0	0	3.9
	21:45	1.98	1374	17.8	12	12	0	0	0	0	3.9
	22:00	1.97	1367	17.8	12	12.1	0	0	0	0	3.9
	22:15	1.98	1374	17.8	12	11.9	0	0	0	0	3.9
	22:30	1.97	1367	17.8	12	12	0	0	0	0	3.9
	22:45	1.97	1367	17.8	12	11.9	0	0	0	0	3.9
	23:00	1.97	1367	17.8	12	12.1	0	0	0	0	3.9
	23:15	1.97	1367	17.8	12	12	0	0	0	0	3.9
	23:30	1.96	1360	17.8	12	11.9	0	0	0	0	3.9
	23:45	1.96	1360	17.8	12	11.9	0	0	0	0	3.9
2/5/2014	0:00	1.96	1360	17.8	12	12	0	0	0	0	3.9
	0:15	1.95	1353	17.8	12	11.9	0	0	0	0	3.9
	0:30	1.96	1360	17.2	12	11.9	0	0	0	0	3.9
	0:45	1.96	1360	17.2	12	6.3	0	0	0	0	3.9
	1:00	1.96	1360	17.8	12	11.7	0	0	0	0	3.9
	1:15	1.95	1353	17.8	12	11.9	0	0	0	0	3.9
	1:30	1.95	1353	17.8	12	11.6	0	0	0	0	3.9
	1:45	1.95	1353	17.8	12	11.8	0	0	0	0	3.9
	2:00	1.94	1346	17.8	12	11.7	0	0	0	0	3.9
	2:15	1.94	1346	17.8	12	11.9	0	0	0	0	3.9
	2:30	1.94	1346	17.2	12	11.8	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	2:45	1.95	1353	17.2	12	11.9	0	0	0	0	3.9
	3:00	1.93	1339	17.8	12	11.5	0	0	0	0	3.9
	3:15	1.94	1346	17.8	12	11.7	0	0	0	0	3.9
	3:30	1.94	1346	17.2	12	11.9	0	0	0	0	3.9
	3:45	1.94	1346	17.8	12	11.7	0	0	0	0	3.9
	4:00	1.93	1339	17.8	12	11.7	0	0	0	0	3.9
	4:15	1.93	1339	17.8	12	11.7	0	0	0	0	3.9
	4:30	1.92	1332	17.8	12	11.7	0	0	0	0	3.9
	4:45	1.91	1326	17.8	12	11.7	0	0	0	0	3.9
	5:00	1.91	1326	17.8	12	11.6	0	0	0	0	3.9
	5:15	1.92	1332	17.2	12	11.6	0	0	0	0	3.9
	5:30	1.92	1332	17.8	12	11.6	0	0	0	0	3.9
	5:45	1.91	1326	17.8	12	11.7	0	0	0	0	3.9
	6:00	1.91	1326	17.8	12	11.6	0	0	0	0	3.9
	6:15	1.91	1326	17.8	12	11.6	0	0	0	0	3.9
	6:30	1.9	1319	17.8	12	11.5	0	0	0	0	3.9
	6:45	1.91	1326	17.8	12	11.5	0	0	0	0	3.9
	7:00	1.91	1326	17.8	12	11.5	0	0	0	0	3.9
	7:15	1.89	1312	17.2	12	11.4	0	0	0	0	3.9
	7:30	1.9	1319	17.8	12	11.6	0	0	0	0	3.9
	7:45	1.89	1312	17.8	12	11.4	0	0	0	0	3.9
	8:00	1.89	1312	17.2	12	11.5	0	0	0	0	3.9
	8:15	1.88	1305	17.2	12	11.5	0	0	0	0	3.9
	8:30	1.88	1305	17.2	12	11.5	0	0	0	0	3.9
	8:45	1.88	1305	17.8	12	11.5	0	0	0	0	3.9
	9:00	1.88	1305	17.8	12	11.4	0	0	0	0	3.9
	9:15	1.88	1305	17.8	12	3.7	0	0	0	0	4
	9:30	1.88	1305	17.2	12	3.7	0	0	0	0	4.1
	9:45	1.87	1298	17.8	12	11.4	0	0	0	0	4
	10:00	1.88	1305	17.2	12	11.3	0.18	125	0	0	5.4
	10:15	1.88	1305	17.2	12	11.1	0	0	0	0	3.9
	10:30	1.86	1291	17.2	12	11.4	0	0	0	0	3.9
	10:45	1.88	1305	17.8	12	11.5	0	0	0	0	3.9
	11:00	1.86	1291	17.2	12	11.4	0	0	0	0	3.9
	11:15	1.87	1298	17.2	12	11.3	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	11:30	1.87	1298	17.2	12	11.4	0	0	0	0	3.9
	11:45	1.87	1298	17.8	12	11.3	0	0	0	0	3.9
	12:00	1.87	1298	17.8	12	11.1	0	0	0	0	3.9
	12:15	1.86	1291	17.2	12	11.3	0	0	0	0	3.9
	12:30	1.87	1298	17.2	12	11.3	0	0	0	0	3.9
	12:45	1.86	1291	17.2	12	11.3	0	0	0	0	3.9
	13:00	1.86	1291	17.2	12	11.4	0	0	0	0	3.9
	13:15	1.85	1284	17.8	12	11.2	0	0	0	0	3.9
	13:30	1.85	1284	17.2	12	11.3	0	0	0	0	3.9
	13:45	1.88	1305	17.2	12	11.5	0	0	0	0	3.9
	14:00	1.86	1291	17.8	12	11.3	0	0	0	0	3.9
	14:15	1.86	1291	17.2	12	11.2	0	0	0	0	4
	14:30	1.86	1291	17.2	12	11.3	0	0	0	0	4
	14:45	1.86	1291	17.2	12	11.3	0	0	0	0	3.9
	15:00	1.99	1381	17.8	12	12.3	0	0	0	0	4
	15:15	1.86	1291	16.7	11	11.3	0	0	0	0	3.9
	15:30	1.85	1284	16.7	11	11.3	0	0	0	0	3.9
	15:45	1.84	1277	16.7	11	11.3	0	0	0	0	3.9
	16:00	1.85	1284	16.7	11	11.3	0	0	0	0	3.8
	16:15	1.85	1284	16.7	11	11.2	0	0	0	0	3.8
	16:30	1.8	1249	16.7	11	11.2	0	0	0	0	3.8
	16:45	1.81	1256	16.7	11	11.1	0	0	0	0	3.8
	17:00	1.81	1256	16.7	11	10.9	0	0	0	0	3.8
	17:15	1.8	1249	17.2	12	11.1	0	0	0	0	3.8
	17:30	1.81	1256	17.2	12	11	0	0	0	0	3.8
	17:45	1.8	1249	17.2	12	10.8	0	0	0	0	3.8
	18:00	1.8	1249	16.7	11	10.9	0	0	0	0	3.8
	18:15	1.8	1249	17.2	12	10.9	0	0	0	0	3.8
	18:30	1.8	1249	17.2	12	10.9	0	0	0	0	3.8
	18:45	1.8	1249	17.8	12	10.6	0	0	0	0	3.8
	19:00	1.8	1249	17.2	12	10.8	0	0	0	0	3.8
	19:15	1.8	1249	17.2	12	11	0	0	0	0	3.8
	19:30	1.81	1256	17.2	12	11	0	0	0	0	3.8
	19:45	1.79	1242	17.8	12	10.7	0	0	0	0	3.8
	20:00	1.78	1235	17.2	12	10.7	0	0	0	0	3.8

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	20:15	1.79	1242	17.2	12	10.7	0	0	0	0	3.8
	20:30	1.8	1249	17.2	12	11	0	0	0	0	3.8
	20:45	1.8	1249	17.2	12	10.8	0	0	0	0	3.8
	21:00	1.8	1249	17.2	12	10.8	0	0	0	0	3.8
	21:15	1.8	1249	17.8	12	10.7	0	0	0	0	3.8
	21:30	1.81	1256	17.2	12	11.1	0	0	0	0	3.8
	21:45	1.8	1249	17.2	12	10.8	0	0	0	0	3.9
	22:00	1.8	1249	17.2	12	10.8	0	0	0	0	3.9
	22:15	1.79	1242	17.8	12	10.9	0	0	0	0	3.9
	22:30	1.79	1242	17.2	12	10.8	0	0	0	0	3.9
	22:45	1.8	1249	17.8	12	11	0	0	0	0	3.9
	23:00	1.8	1249	17.8	12	11	0	0	0	0	3.9
	23:15	1.79	1242	17.8	12	10.9	0	0	0	0	3.9
	23:30	1.79	1242	17.2	12	10.8	0	0	0	0	3.9
	23:45	1.79	1242	17.8	12	10.8	0	0	0	0	3.9
2/6/2014	0:00	1.78	1235	17.2	12	10.8	0	0	0	0	3.9
	0:15	1.77	1228	17.2	12	10.7	0	0	0	0	3.9
	0:30	1.79	1242	17.2	12	10.6	0	0	0	0	3.9
	0:45	1.77	1228	17.8	12	10.8	0	0	0	0	3.9
	1:00	1.78	1235	17.2	12	10.6	0	0	0	0	3.9
	1:15	1.78	1235	17.2	12	10.7	0	0	0	0	3.9
	1:30	1.77	1228	17.2	12	10.6	0	0	0	0	3.9
	1:45	1.78	1235	17.2	12	10.7	0	0	0	0	3.9
	2:00	1.77	1228	17.2	12	10.5	0	0	0	0	3.9
	2:15	1.77	1228	17.2	12	10.8	0	0	0	0	3.9
	2:30	1.77	1228	17.8	12	10.6	0	0	0	0	3.9
	2:45	1.77	1228	17.2	12	10.8	0	0	0	0	3.9
	3:00	1.76	1221	17.2	12	10.8	0	0	0	0	3.9
	3:15	1.76	1221	17.2	12	10.8	0	0	0	0	3.9
	3:30	1.76	1221	17.2	12	10.6	0	0	0	0	4
	3:45	1.76	1221	17.8	12	10.6	0	0	0	0	4
	4:00	1.75	1215	17.2	12	10.7	0	0	0	0	3.9
	4:15	1.76	1221	17.8	12	10.6	0	0	0	0	3.9
	4:30	1.75	1215	17.2	12	10.7	0	0	0	0	3.9
	4:45	1.76	1221	17.2	12	10.7	0	0	0	0	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	5:00	1.74	1208	17.2	12	10.5	0	0	0	0	3.9
	5:15	1.75	1215	17.2	12	10.6	0	0	0	0	3.9
	5:30	1.74	1208	17.2	12	10.5	0	0	0	0	3.9
	5:45	1.75	1215	17.2	12	10.5	0	0	0	0	3.9
	6:00	1.75	1215	17.2	12	10.5	0	0	0	0	4
	6:15	1.73	1201	17.2	12	10.3	0	0	0	0	3.9
	6:30	1.72	1194	17.2	12	10.4	0	0	0	0	3.9
	6:45	1.73	1201	17.2	12	10.5	0	0	0	0	3.9
	7:00	1.73	1201	17.2	12	10.5	0	0	0	0	3.9
	7:15	1.73	1201	17.2	12	10.3	0	0	0	0	3.9
	7:30	1.73	1201	17.2	12	10.4	0	0	0	0	3.9
	7:45	1.73	1201	17.2	12	10.5	0	0	0	0	3.9
	8:00	1.72	1194	17.2	12	10.5	0	0	0	0	3.9
	8:15	1.73	1201	17.2	12	10.4	0	0	0	0	3.9
	8:30	0	0	17.2	12	3.9	0	0	0	0	4.1
	8:45	0	0	17.2	12	3.2	0	0	0	0	4
	9:00	0	0	17.2	12	3.3	0	0	0	0	4.9
	9:15	0	0	17.2	12	3.3	1.57	1090	0	0	9.9
	9:30	0	0	17.2	12	3.6	1.72	1194	0	0	11
	9:45	0	0	17.2	12	3.5	1.69	1173	0	0	10.9
	10:00	0	0	17.2	12	3.6	1.7	1180	0	0	2.7
	10:15	0	0	17.2	12	3.5	1.7	1180	0	0	2.7
	10:30	0	0	17.2	12	3.3	1.69	1173	4.4	2.73	11
	10:45	0	0	0	0	3.2	1.69	1173	4.9	3.04	10.8
	11:00	0	0	0	0	3	1.69	1173	0	0	10.8
	11:15	0	0	0	0	2.9	1.7	1180	0	0	11
	11:30	0	0	0	0	2.7	1.69	1173	4.9	3.04	10.8
	11:45	0	0	0	0	2.6	1.7	1180	4.9	3.04	11
	12:00	0	0	0	0	2.5	1.7	1180	4.9	3.04	10.9
	12:15	0	0	0	0	2.4	1.7	1180	4.9	3.04	10.8
	12:30	0	0	0	0	2.3	1.7	1180	4.9	3.04	10.9
	12:45	0	0	0	0	2.3	1.69	1173	4.9	3.04	10.9
	13:00	0	0	0	0	2.2	1.7	1180	4.9	3.04	10.7
	13:15	0	0	0	0	2.1	1.71	1187	4.9	3.04	10.8
	13:30	0	0	0	0	2.1	1.69	1173	4.9	3.04	10.7

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	13:45	0	0	174	116	0.8	0	0	4.9	3.04	4.9
	14:00	0	0	46.7	31	1.4	1.7	1180	4.9	3.04	11.4
	14:15	1.7	1180	19.9	13	6.1	0	0	4.9	3.04	3.3
	14:30	2.01	1395	17.2	12	12.2	0	0	4.9	3.04	4
	14:45	1.99	1381	17.2	12	11.8	0	0	4.9	3.04	4.2
	15:00	2.01	1395	17.2	12	12.3	0	0	4.9	3.04	4.3
	15:15	1.99	1381	17.2	12	12	0	0	4.9	3.04	4.3
	15:30	2	1388	17.2	12	12	0	0	5.5	3.41	4.3
	15:45	2	1388	17.2	12	12.1	0	0	4.9	3.04	4.3
	16:00	2	1388	17.2	12	12.2	0	0	4.9	3.04	4.3
	16:15	2	1388	17.2	12	12	0	0	4.9	3.04	4.3
	16:30	1.98	1374	17.2	12	12	0	0	4.9	3.04	4.3
	16:45	2	1388	17.2	12	11.9	0	0	4.9	3.04	4.3
	17:00	2.01	1395	17.8	12	12.2	0	0	4.9	3.04	4.3
	17:15	0	0	17.2	12	4.4	0	0	5.5	3.41	4.4
	17:30	1.48	1027	15.1	10	7.8	0	0	4.9	3.04	4.3
	17:45	0.72	500	15.1	10	4.8	0	0	4.9	3.04	4.4
	18:00	1.39	965	32.2	22	7.4	0	0	4.9	3.04	3.9
	18:15	2	1388	17.2	12	10.1	0	0	4.9	3.04	4.1
	18:30	2.01	1395	17.2	12	10.2	0	0	4.9	3.04	4.1
	18:45	1.99	1381	17.2	12	9.8	0	0	4.9	3.04	4.2
	19:00	1.99	1381	17.2	12	9.7	0	0	5.5	3.41	4.2
	19:15	1.98	1374	17.2	12	9.6	0	0	5.5	3.41	4.2
	19:30	0.5	347	26.9	18	5.2	0	0	4.9	3.04	4.2
	19:45	0	0	15.1	10	2.9	0	0	4.9	3.04	4.2
	20:00	2.01	1395	17.2	12	9.6	0	0	4.9	3.04	4
	20:15	2	1388	17.2	12	9.1	0	0	4.9	3.04	4.1
	20:30	1.99	1381	17.2	12	8.9	0	0	5.5	3.41	4.2
	20:45	2	1388	17.8	12	9	0	0	4.9	3.04	4.2
	21:00	2	1388	17.2	12	8.7	0	0	4.9	3.04	4.2
	21:15	2	1388	17.8	12	8.7	0	0	4.9	3.04	4.2
	21:30	1.99	1381	17.2	12	5.9	0	0	5.5	3.41	4.2
	21:45	2.01	1395	17.2	12	12.1	0	0	4.9	3.04	4.2
	22:00	1.99	1381	17.8	12	12.1	0	0	5.5	3.41	4.2
	22:15	2	1388	17.2	12	12.3	0	0	5.5	3.41	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	22:30	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	22:45	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	23:00	2	1388	17.2	12	12.5	0	0	5.5	3.41	4.2
	23:15	2	1388	17.2	12	12.4	0	0	5.5	3.41	4.2
	23:30	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.2
	23:45	1.99	1381	17.2	12	12.3	0	0	5.5	3.41	4.2
2/7/2014	0:00	2.01	1395	17.2	12	12.3	0	0	4.9	3.04	4.2
	0:15	2.01	1395	17.2	12	12.3	0	0	5.5	3.41	4.2
	0:30	1.99	1381	17.2	12	12.3	0	0	5.5	3.41	4.2
	0:45	2.01	1395	17.2	12	12.2	0	0	5.5	3.41	4.2
	1:00	1.99	1381	17.2	12	12.1	0	0	5.5	3.41	4.2
	1:15	2.01	1395	17.2	12	9.3	0	0	5.5	3.41	4.2
	1:30	2.01	1395	17.2	12	9.4	0	0	5.5	3.41	4.2
	1:45	1.99	1381	17.2	12	12.1	0	0	5.5	3.41	4.2
	2:00	2.01	1395	17.2	12	12.3	0	0	5.5	3.41	4.2
	2:15	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	2:30	2	1388	17.2	12	12.3	0	0	5.5	3.41	4.2
	2:45	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.2
	3:00	2.01	1395	17.2	12	12.4	0	0	5.5	3.41	4.2
	3:15	2.01	1395	17.2	12	12.2	0	0	5.5	3.41	4.2
	3:30	2.02	1402	17.2	12	12.3	0	0	5.5	3.41	4.2
	3:45	2	1388	17.2	12	12.3	0	0	5.5	3.41	4.2
	4:00	2	1388	17.2	12	12.4	0	0	4.9	3.04	4.2
	4:15	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	4:30	2.01	1395	16.7	11	12.3	0	0	5.5	3.41	4.2
	4:45	2	1388	17.2	12	12.3	0	0	5.5	3.41	4.2
	5:00	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	5:15	2	1388	17.2	12	12.4	0	0	5.5	3.41	4.2
	5:30	2.01	1395	17.2	12	12.4	0	0	5.5	3.41	4.2
	5:45	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.2
	6:00	1.98	1374	17.2	12	12	0	0	5.5	3.41	4.2
	6:15	1.98	1374	17.2	12	12.4	0	0	5.5	3.41	4.2
	6:30	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	6:45	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.2
	7:00	1.99	1381	17.2	12	12.2	0	0	4.9	3.04	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	7:15	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.2
	7:30	2	1388	17.2	12	12.1	0	0	5.5	3.41	4.2
	7:45	1.98	1374	17.2	12	12	0	0	5.5	3.41	4.2
	8:00	1.98	1374	17.2	12	12.2	0	0	5.5	3.41	4.2
	8:15	1.98	1374	17.2	12	12.2	0	0	5.5	3.41	4.2
	8:30	1.98	1374	17.2	12	12.1	0	0	5.5	3.41	4.2
	8:45	1.99	1381	17.2	12	3.9	0	0	5.5	3.41	4.2
	9:00	1.99	1381	15.1	10	4	0	0	5.5	3.41	4.2
	9:15	1.98	1374	17.2	12	3.9	0	0	5.5	3.41	4.2
	9:30	1.97	1367	17.2	12	11.9	0	0	5.5	3.41	4.2
	9:45	1.98	1374	17.2	12	12.1	0	0	5.5	3.41	4.2
	10:00	1.97	1367	17.2	12	12.1	0	0	5.5	3.41	4.5
	10:15	1.98	1374	17.2	12	11.9	0	0	5.5	3.41	4.3
	10:30	1.97	1367	17.2	12	12.1	0	0	5.5	3.41	4.2
	10:45	1.95	1353	17.2	12	12	0	0	5.5	3.41	4.2
	11:00	1.98	1374	17.2	12	11.9	0	0	5.5	3.41	4.1
	11:15	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.1
	11:30	1.95	1353	17.2	12	12	0	0	4.9	3.04	4.1
	11:45	1.95	1353	17.2	12	12	0	0	5.5	3.41	4.1
	12:00	1.95	1353	17.2	12	12	0	0	5.5	3.41	4.1
	12:15	1.95	1353	17.2	12	12	0	0	5.5	3.41	4.1
	12:30	1.96	1360	17.2	12	11.9	0	0	5.5	3.41	4.1
	12:45	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.1
	13:00	1.95	1353	17.2	12	11.9	0	0	5.5	3.41	4.1
	13:15	1.95	1353	17.2	12	11.9	0	0	5.5	3.41	4.1
	13:30	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.1
	13:45	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.1
	14:00	1.93	1339	17.2	12	11.8	0	0	5.5	3.41	4.1
	14:15	1.95	1353	17.2	12	11.9	0	0	5.5	3.41	4.1
	14:30	1.94	1346	17.2	12	12	0	0	5.5	3.41	4.1
	14:45	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.1
	15:00	1.94	1346	17.2	12	11.8	0	0	4.9	3.04	4.1
	15:15	1.94	1346	17.2	12	11.7	0	0	5.5	3.41	4.1
	15:30	1.94	1346	17.2	12	11.8	0	0	5.5	3.41	4.1
	15:45	1.93	1339	17.2	12	11.7	0	0	5.5	3.41	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	16:00	1.93	1339	17.2	12	11.8	0	0	5.5	3.41	4.1
	16:15	1.92	1332	17.2	12	11.7	0	0	5.5	3.41	4.1
	16:30	1.93	1339	17.2	12	11.6	0	0	5.5	3.41	4.1
	16:45	1.93	1339	17.2	12	11.7	0	0	5.5	3.41	4.1
	17:00	1.92	1332	17.2	12	11.6	0	0	5.5	3.41	4.1
	17:15	1.93	1339	17.2	12	11.8	0	0	5.5	3.41	4.1
	17:30	1.92	1332	17.2	12	11.7	0	0	5.5	3.41	4.1
	17:45	1.92	1332	17.2	12	11.7	0	0	5.5	3.41	4.1
	18:00	1.92	1332	17.2	12	11.6	0	0	5.5	3.41	4.1
	18:15	0.43	298	19.4	13	6.5	0	0	5.5	3.41	4.1
	18:30	0.05	34.7	24.2	16	9	0	0	5.5	3.41	3.7
	18:45	2	1388	17.2	12	11.7	0	0	5.5	3.41	4.1
	19:00	1.99	1381	17.2	12	11.5	0	0	5.5	3.41	4.1
	19:15	0.45	312	22	15	6.7	0	0	5.5	3.41	4.2
	19:30	0	0	15.6	10	6.1	0.68	472	5.5	3.41	8
	19:45	0	0	19.9	13	4.5	1.8	1249	5.5	3.41	11.6
	20:00	1.99	1381	17.8	12	10.7	0	0	5.5	3.41	3.8
	20:15	2.01	1395	17.8	12	10.3	0	0	5.5	3.41	4.2
	20:30	2.03	1409	17.8	12	10.1	0	0	5.5	3.41	4.3
	20:45	1.99	1381	17.2	12	9.5	0	0	5.5	3.41	4.3
	21:00	2.01	1395	17.2	12	9.1	0	0	5.5	3.41	4.3
	21:15	2	1388	17.2	12	8.5	0	0	5.5	3.41	4.3
	21:30	2	1388	17.2	12	8.3	0	0	5.5	3.41	4.3
	21:45	2.01	1395	17.2	12	12.2	0	0	5.5	3.41	4.3
	22:00	1.99	1381	17.8	12	12	0	0	5.5	3.41	4.3
	22:15	2	1388	17.8	12	12.2	0	0	5.5	3.41	4.3
	22:30	1.99	1381	17.2	12	11.9	0	0	5.5	3.41	4.3
	22:45	2	1388	17.2	12	12.3	0	0	5.5	3.41	4.3
	23:00	2	1388	17.8	12	12.3	0	0	5.5	3.41	4.3
	23:15	2	1388	17.8	12	12.1	0	0	5.5	3.41	4.3
	23:30	2	1388	17.8	12	12.1	0	0	5.5	3.41	4.3
	23:45	1.99	1381	17.2	12	12.3	0	0	5.5	3.41	4.3
2/8/2014	0:00	2	1388	17.2	12	12.4	0	0	5.5	3.41	4.3
	0:15	2	1388	17.8	12	12.1	0	0	5.5	3.41	4.3
	0:30	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	0:45	2.01	1395	17.2	12	12.3	0	0	5.5	3.41	4.3
	1:00	1.99	1381	17.2	12	11.9	0	0	5.5	3.41	4.3
	1:15	1.99	1381	17.2	12	7.2	0	0	5.5	3.41	4.3
	1:30	2.01	1395	17.2	12	12.4	0	0	5.5	3.41	4.3
	1:45	1.99	1381	17.2	12	12.1	0	0	5.5	3.41	4.3
	2:00	2	1388	17.2	12	12	0	0	5.5	3.41	4.3
	2:15	2	1388	17.2	12	12	0	0	5.5	3.41	4.3
	2:30	2	1388	17.2	12	12.2	0	0	5.5	3.41	4.3
	2:45	1.99	1381	17.2	12	12.1	0	0	5.5	3.41	4.3
	3:00	2	1388	17.2	12	12.3	0	0	5.5	3.41	4.3
	3:15	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.3
	3:30	1.99	1381	17.2	12	12.2	0	0	5.5	3.41	4.3
	3:45	1.99	1381	17.2	12	12	0	0	5.5	3.41	4.3
	4:00	2	1388	17.2	12	12.1	0	0	5.5	3.41	4.3
	4:15	1.98	1374	17.2	12	12.1	0	0	5.5	3.41	4.3
	4:30	1.99	1381	17.2	12	12	0	0	5.5	3.41	4.3
	4:45	1.99	1381	17.2	12	11.9	0	0	5.5	3.41	4.3
	5:00	1.97	1367	17.2	12	12.1	0	0	5.5	3.41	4.2
	5:15	1.99	1381	17.2	12	12.3	0	0	5.5	3.41	4.3
	5:30	1.97	1367	17.2	12	11.9	0	0	5.5	3.41	4.2
	5:45	1.97	1367	17.2	12	11.9	0	0	5.5	3.41	4.2
	6:00	1.98	1374	17.2	12	11.9	0	0	5.5	3.41	4.2
	6:15	1.96	1360	17.2	12	11.9	0	0	5.5	3.41	4.2
	6:30	1.98	1374	17.2	12	11.9	0	0	5.5	3.41	4.2
	6:45	1.97	1367	17.2	12	12.1	0	0	5.5	3.41	4.2
	7:00	1.98	1374	17.2	12	12.1	0	0	5.5	3.41	4.2
	7:15	1.97	1367	17.2	12	11.9	0	0	5.5	3.41	4.2
	7:30	1.96	1360	17.2	12	11.9	0	0	6	3.72	4.2
	7:45	1.96	1360	17.2	12	11.9	0	0	5.5	3.41	4.2
	8:00	1.97	1367	17.2	12	11.7	0	0	5.5	3.41	4.2
	8:15	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.2
	8:30	1.96	1360	17.2	12	11.7	0	0	5.5	3.41	4.2
	8:45	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.2
	9:00	1.94	1346	17.2	12	11.9	0	0	5.5	3.41	4.2
	9:15	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	9:30	1.94	1346	17.2	12	12.1	0	0	5.5	3.41	4.2
	9:45	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.2
	10:00	1.95	1353	17.2	12	11.7	0	0	5.5	3.41	4.2
	10:15	1.93	1339	17.2	12	11.8	0	0	6	3.72	4.2
	10:30	1.95	1353	17.8	12	11.7	0	0	5.5	3.41	4.2
	10:45	1.94	1346	17.2	12	11.5	0	0	5.5	3.41	4.2
	11:00	1.94	1346	17.2	12	11.7	0	0	6	3.72	4.2
	11:15	1.93	1339	17.2	12	11.6	0	0	6	3.72	4.2
	11:30	1.93	1339	17.2	12	11.6	0	0	5.5	3.41	4.2
	11:45	1.93	1339	17.2	12	11.7	0	0	6	3.72	4.2
	12:00	1.93	1339	17.2	12	11.6	0	0	6	3.72	4.2
	12:15	1.94	1346	17.8	12	11.7	0	0	6	3.72	4.2
	12:30	1.93	1339	17.2	12	11.7	0	0	6	3.72	4.2
	12:45	1.92	1332	17.2	12	11.5	0	0	6	3.72	4.2
	13:00	1.92	1332	17.8	12	11.8	0	0	6	3.72	4.2
	13:15	1.92	1332	17.2	12	11.7	0	0	6	3.72	4.2
	13:30	1.93	1339	17.2	12	11.8	0	0	6	3.72	4.2
	13:45	1.93	1339	17.8	12	11.6	0	0	6	3.72	4.2
	14:00	1.94	1346	17.8	12	11.6	0	0	6	3.72	4.2
	14:15	1.94	1346	17.8	12	11.8	0	0	6	3.72	4.2
	14:30	1.94	1346	17.2	12	11.8	0	0	6	3.72	4.2
	14:45	1.94	1346	17.2	12	11.8	0	0	6	3.72	4.2
	15:00	1.94	1346	17.2	12	11.9	0	0	6	3.72	4.2
	15:15	1.95	1353	17.2	12	11.8	0	0	6	3.72	4.2
	15:30	1.96	1360	17.2	12	12	0	0	6	3.72	4.2
	15:45	1.94	1346	17.2	12	11.8	0	0	6	3.72	4.2
	16:00	1.95	1353	17.2	12	11.8	0	0	6	3.72	4.2
	16:15	1.95	1353	17.8	12	11.8	0	0	6.5	4.03	4.2
	16:30	1.95	1353	17.2	12	11.9	0	0	6.5	4.03	4.2
	16:45	1.95	1353	17.8	12	11.7	0	0	6.5	4.03	4.2
	17:00	1.95	1353	17.8	12	11.7	0	0	6.5	4.03	4.2
	17:15	1.94	1346	17.8	12	3.8	0	0	6.5	4.03	4.2
	17:30	1.94	1346	17.8	12	11.7	0	0	6	3.72	4.2
	17:45	1.94	1346	17.8	12	11.5	0	0	6.5	4.03	4.2
	18:00	1.94	1346	17.8	12	11.5	0	0	6.5	4.03	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	18:15	1.93	1339	17.8	12	11.6	0	0	6.5	4.03	4.2
	18:30	1.93	1339	17.2	12	11.7	0	0	6.5	4.03	4.2
	18:45	1.92	1332	17.2	12	11.6	0	0	6.5	4.03	4.2
	19:00	1.92	1332	17.8	12	11.6	0	0	6	3.72	4.2
	19:15	1.92	1332	17.8	12	11.5	0	0	6.5	4.03	4.2
	19:30	1.91	1326	17.8	12	11.6	0	0	6	3.72	4.2
	19:45	1.9	1319	17.8	12	11.6	0	0	6.5	4.03	4.2
	20:00	1.91	1326	17.2	12	11.6	0	0	6.5	4.03	4.2
	20:15	1.93	1339	17.8	12	11.5	0	0	6.5	4.03	4.2
	20:30	1.92	1332	17.8	12	11.6	0	0	6.5	4.03	4.2
	20:45	1.91	1326	17.8	12	11.5	0	0	6.5	4.03	4.2
	21:00	1.91	1326	17.8	12	11.4	0	0	6.5	4.03	4.2
	21:15	1.89	1312	17.8	12	11.5	0	0	6.5	4.03	4.2
	21:30	1.9	1319	17.8	12	11.4	0	0	6	3.72	4.2
	21:45	1.91	1326	17.8	12	11.5	0	0	6.5	4.03	4.2
	22:00	1.9	1319	17.8	12	11.4	0	0	6.5	4.03	4.2
	22:15	1.92	1332	17.8	12	11.4	0	0	6.5	4.03	4.2
	22:30	1.91	1326	17.8	12	11.6	0	0	6.5	4.03	4.2
	22:45	1.91	1326	17.2	12	11.5	0	0	6.5	4.03	4.2
	23:00	1.91	1326	17.8	12	11.7	0	0	6.5	4.03	4.2
	23:15	1.91	1326	17.8	12	11.7	0	0	6.5	4.03	4.2
	23:30	1.9	1319	17.8	12	11.5	0	0	6	3.72	4.2
	23:45	1.9	1319	17.2	12	11.6	0	0	6	3.72	4.2
2/9/2014	0:00	1.9	1319	17.8	12	11.5	0	0	6.5	4.03	4.2
	0:15	1.9	1319	17.8	12	11.5	0	0	6.5	4.03	4.2
	0:30	1.89	1312	17.8	12	11.6	0	0	6	3.72	4.2
	0:45	1.9	1319	17.8	12	11.6	0	0	6.5	4.03	4.2
	1:00	1.89	1312	17.8	12	11.3	0	0	6.5	4.03	4.2
	1:15	1.9	1319	17.8	12	11.4	0	0	6	3.72	4.2
	1:30	1.9	1319	17.2	12	11.6	0	0	6.5	4.03	4.2
	1:45	1.9	1319	17.2	12	11.5	0	0	6.5	4.03	4.2
	2:00	1.91	1326	17.2	12	11.5	0	0	6	3.72	4.2
	2:15	1.9	1319	17.8	12	11.4	0	0	6	3.72	4.2
	2:30	1.91	1326	17.8	12	11.4	0	0	6.5	4.03	4.2
	2:45	1.89	1312	17.8	12	11.6	0	0	6	3.72	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	3:00	1.9	1319	17.8	12	11.3	0	0	6.5	4.03	4.2
	3:15	1.91	1326	17.8	12	11.6	0	0	6	3.72	4.2
	3:30	1.89	1312	17.8	12	11.5	0	0	6	3.72	4.2
	3:45	1.9	1319	17.8	12	11.5	0	0	6	3.72	4.2
	4:00	1.89	1312	17.8	12	11.5	0	0	6	3.72	4.2
	4:15	1.9	1319	17.8	12	11.4	0	0	6.5	4.03	4.2
	4:30	1.9	1319	17.8	12	11.4	0	0	6	3.72	4.2
	4:45	1.89	1312	17.8	12	11.3	0	0	6.5	4.03	4.2
	5:00	1.89	1312	17.8	12	11.4	0	0	6	3.72	4.2
	5:15	1.9	1319	17.8	12	11.6	0	0	6	3.72	4.2
	5:30	1.9	1319	17.8	12	11.4	0	0	6	3.72	4.2
	5:45	1.89	1312	19.9	13	11.3	0	0	6	3.72	4.2
	6:00	1.88	1305	19.9	13	11.2	0	0	6.5	4.03	4.2
	6:15	1.89	1312	19.9	13	11.3	0	0	6	3.72	4.2
	6:30	1.88	1305	19.9	13	11.4	0	0	6	3.72	4.2
	6:45	1.9	1319	19.9	13	11.4	0	0	6	3.72	4.2
	7:00	1.89	1312	17.8	12	11.5	0	0	6	3.72	4.2
	7:15	1.89	1312	19.9	13	11.3	0	0	6.5	4.03	4.2
	7:30	1.91	1326	19.9	13	11.4	0	0	6	3.72	4.2
	7:45	1.89	1312	17.8	12	11.4	0	0	6	3.72	4.2
	8:00	1.88	1305	19.9	13	11.4	0	0	6	3.72	4.2
	8:15	1.9	1319	17.8	12	11.6	0	0	6	3.72	4.2
	8:30	1.89	1312	17.2	12	11.4	0	0	6	3.72	4.2
	8:45	1.9	1319	17.8	12	11.5	0	0	6.5	4.03	4.2
	9:00	1.9	1319	17.8	12	11.5	0	0	6.5	4.03	4.2
	9:15	1.9	1319	17.2	12	11.5	0	0	6	3.72	4.2
	9:30	1.89	1312	19.9	13	11.7	0	0	6.5	4.03	4.2
	9:45	1.88	1305	17.8	12	11.5	0.17	118	6	3.72	5.6
	10:00	1.88	1305	17.8	12	11.3	0	0	6.5	4.03	4.2
	10:15	1.9	1319	19.9	13	11.4	0	0	6.5	4.03	4.1
	10:30	1.89	1312	17.8	12	11.2	0	0	6.5	4.03	4.1
	10:45	1.89	1312	17.2	12	11.2	0	0	6	3.72	4.3
	11:00	1.88	1305	17.8	12	11.3	0	0	6	3.72	4.1
	11:15	1.88	1305	19.9	13	11.5	0	0	6	3.72	4.1
	11:30	1.9	1319	19.9	13	11.4	0	0	6.5	4.03	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	11:45	1.89	1312	19.9	13	11.4	0	0	6.5	4.03	4.1
	12:00	1.9	1319	19.9	13	11.4	0	0	6	3.72	4.1
	12:15	1.89	1312	19.9	13	11.3	0	0	6	3.72	4.1
	12:30	1.89	1312	19.9	13	11.5	0	0	6	3.72	4.1
	12:45	1.9	1319	19.9	13	11.5	0	0	6	3.72	4.1
	13:00	1.89	1312	19.9	13	11.4	0	0	6	3.72	4.1
	13:15	1.87	1298	19.9	13	11.3	0	0	6.5	4.03	4.1
	13:30	1.89	1312	19.9	13	11.2	0	0	6	3.72	4.1
	13:45	1.88	1305	17.8	12	11.3	0	0	6	3.72	4.1
	14:00	1.88	1305	19.9	13	11.3	0	0	6	3.72	4.1
	14:15	1.88	1305	19.9	13	11.4	0	0	6	3.72	4.1
	14:30	1.87	1298	19.9	13	11.2	0	0	6	3.72	4.1
	14:45	1.88	1305	19.9	13	11.3	0	0	6	3.72	4.1
	15:00	1.87	1298	19.9	13	11.1	0	0	6	3.72	4.3
	15:15	1.87	1298	19.9	13	11.3	0	0	6.5	4.03	4.1
	15:30	1.86	1291	19.9	13	11.3	0	0	6.5	4.03	4.1
	15:45	1.87	1298	19.9	13	11.3	0	0	6	3.72	4.1
	16:00	1.86	1291	19.9	13	11.3	0	0	6	3.72	4.1
	16:15	1.87	1298	19.9	13	11.2	0	0	6	3.72	4.1
	16:30	1.85	1284	19.9	13	11.2	0	0	6	3.72	4.1
	16:45	1.87	1298	17.8	12	11.3	0	0	6.5	4.03	4.1
	17:00	1.85	1284	17.8	12	11.1	0	0	6.5	4.03	4.1
	17:15	1.86	1291	17.8	12	11.1	0	0	6.5	4.03	4.1
	17:30	1.84	1277	17.8	12	7.7	0	0	6.5	4.03	4.1
	17:45	1.86	1291	17.8	12	11.3	0	0	6.5	4.03	4.1
	18:00	1.85	1284	17.8	12	11.2	0	0	6.5	4.03	4.1
	18:15	1.86	1291	17.8	12	11.1	0	0	6.5	4.03	4.1
	18:30	1.87	1298	17.8	12	11.1	0	0	6.5	4.03	4.1
	18:45	1.86	1291	17.8	12	11.2	0	0	6.5	4.03	4.2
	19:00	1.85	1284	17.8	12	11.1	0	0	6.5	4.03	4.1
	19:15	1.86	1291	17.8	12	11.2	0	0	6.5	4.03	4.1
	19:30	1.85	1284	17.8	12	11.1	0	0	6	3.72	4.1
	19:45	1.86	1291	17.8	12	11.2	0	0	6.5	4.03	4.1
	20:00	1.84	1277	17.8	12	11.1	0	0	6.5	4.03	4.1
	20:15	1.85	1284	17.8	12	11	0	0	6.5	4.03	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	20:30	1.85	1284	17.8	12	10.9	0	0	6.5	4.03	4.1
	20:45	1.85	1284	17.8	12	11.1	0	0	6.5	4.03	4.1
	21:00	1.85	1284	17.8	12	11.1	0	0	6.5	4.03	4.1
	21:15	1.84	1277	17.8	12	11	0	0	6.5	4.03	4.1
	21:30	1.85	1284	17.8	12	11	0	0	6.5	4.03	4.1
	21:45	1.84	1277	17.2	12	11.1	0	0	6.5	4.03	4.1
	22:00	1.85	1284	17.8	12	11.2	0	0	6.5	4.03	4.1
	22:15	1.85	1284	17.8	12	11	0	0	6.5	4.03	4.1
	22:30	1.85	1284	17.8	12	11.1	0	0	6.5	4.03	4.1
	22:45	1.84	1277	17.2	12	11	0	0	6.5	4.03	4.2
	23:00	1.85	1284	17.8	12	11.1	0	0	6	3.72	4.1
	23:15	1.84	1277	17.8	12	11.2	0	0	6.5	4.03	4.1
	23:30	1.84	1277	17.8	12	11	0	0	6.5	4.03	4.1
	23:45	1.83	1270	17.8	12	11.1	0	0	6	3.72	4.1
2/10/2014	0:00	1.84	1277	17.8	12	11.2	0	0	6	3.72	4.1
	0:15	1.83	1270	17.8	12	10.8	0	0	6.5	4.03	4.1
	0:30	1.83	1270	17.8	12	11	0	0	6.5	4.03	4.1
	0:45	1.84	1277	17.8	12	11.1	0	0	6.5	4.03	4.1
	1:00	1.82	1263	17.8	12	11	0	0	6.5	4.03	4.1
	1:15	1.83	1270	17.8	12	10.9	0	0	6.5	4.03	4.1
	1:30	1.83	1270	17.8	12	10.8	0	0	6.5	4.03	4.1
	1:45	1.82	1263	17.8	12	11	0	0	6.5	4.03	4.1
	2:00	1.83	1270	17.2	12	10.9	0	0	6.5	4.03	4.1
	2:15	1.82	1263	17.8	12	10.8	0	0	6	3.72	4.1
	2:30	1.83	1270	17.2	12	11	0	0	6.5	4.03	4.1
	2:45	1.82	1263	17.8	12	10.9	0	0	6.5	4.03	4.1
	3:00	1.81	1256	17.8	12	10.9	0	0	6.5	4.03	4.1
	3:15	1.82	1263	17.8	12	10.9	0	0	6.5	4.03	4.1
	3:30	1.82	1263	17.8	12	10.8	0	0	6.5	4.03	4.1
	3:45	1.81	1256	17.8	12	11	0	0	6.5	4.03	4.1
	4:00	1.82	1263	17.8	12	11	0	0	6.5	4.03	4.2
	4:15	1.81	1256	17.8	12	10.9	0	0	6.5	4.03	4.1
	4:30	1.8	1249	17.8	12	10.8	0	0	6.5	4.03	4.1
	4:45	1.81	1256	17.8	12	10.9	0	0	6.5	4.03	4.1
	5:00	1.81	1256	17.8	12	10.8	0	0	6.5	4.03	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	5:15	1.81	1256	17.8	12	10.8	0	0	6.5	4.03	4.2
	5:30	1.8	1249	17.8	12	10.8	0	0	6.5	4.03	4.2
	5:45	1.8	1249	17.8	12	10.8	0	0	6.5	4.03	4.2
	6:00	1.81	1256	17.8	12	10.7	0	0	6	3.72	4.2
	6:15	1.8	1249	17.8	12	10.8	0	0	6.5	4.03	4.1
	6:30	1.8	1249	17.8	12	10.8	0	0	6	3.72	4.1
	6:45	1.8	1249	17.8	12	10.9	0	0	6.5	4.03	4.2
	7:00	1.8	1249	17.8	12	10.9	0	0	6	3.72	4.2
	7:15	1.79	1242	17.8	12	10.7	0	0	6.5	4.03	4.1
	7:30	1.8	1249	17.8	12	10.8	0	0	6.5	4.03	4.2
	7:45	1.8	1249	17.8	12	10.8	0	0	6.5	4.03	4.1
	8:00	1.8	1249	17.8	12	10.8	0	0	6	3.72	4.2
	8:15	1.8	1249	17.8	12	10.7	0	0	6.5	4.03	4.2
	8:30	1.79	1242	17.2	12	10.7	0	0	6.5	4.03	3.9
	8:45	1.79	1242	17.8	12	3.4	0	0	6.5	4.03	4.2
	9:00	1.79	1242	17.8	12	10.7	0	0	6.5	4.03	4.2
	9:15	1.79	1242	17.2	12	10.7	0	0	6	3.72	4.2
	9:30	1.79	1242	17.8	12	10.7	0	0	6	3.72	4.2
	9:45	0	0	17.2	12	3.7	0	0	6.5	4.03	4.8
	10:00	0.19	132	29	19	6.4	0	0	6	3.72	4.4
	10:15	1.83	1270	17.8	12	10.8	0	0	6	3.72	4
	10:30	2	1388	17.8	12	11.7	0	0	6	3.72	4
	10:45	1.99	1381	17.8	12	11.2	0	0	6	3.72	4.1
	11:00	2	1388	17.8	12	10.4	0	0	6	3.72	4.1
	11:15	2	1388	17.8	12	9.8	0	0	6	3.72	4.1
	11:30	2	1388	17.8	12	9.4	0	0	6	3.72	4.1
	11:45	2.01	1395	17.2	12	8.9	0	0	6	3.72	4.1
	12:00	2.01	1395	17.8	12	8.7	0	0	6	3.72	4.1
	12:15	1.99	1381	17.8	12	9	0	0	6	3.72	4.1
	12:30	2	1388	17.8	12	8.8	0	0	6	3.72	4.1
	12:45	2.01	1395	17.8	12	9	0	0	6	3.72	4.1
	13:00	1.99	1381	17.8	12	8.8	0	0	6	3.72	4.1
	13:15	2.01	1395	17.8	12	8.8	0	0	6	3.72	4.1
	13:30	2	1388	17.8	12	8.8	0	0	6	3.72	4.1
	13:45	2	1388	17.8	12	8.9	0	0	6	3.72	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	14:00	2.01	1395	17.8	12	8.9	0	0	6	3.72	4.1
	14:15	1.98	1374	17.8	12	8.8	0	0	6	3.72	4.1
	14:30	2	1388	17.8	12	8.8	0	0	6	3.72	4.1
	14:45	2	1388	17.8	12	8.6	0	0	6	3.72	4.1
	15:00	1.99	1381	17.8	12	8.7	0	0	6	3.72	4.1
	15:15	2	1388	17.8	12	8.5	0	0	6	3.72	4.1
	15:30	1.99	1381	17.2	12	8.5	0	0	6	3.72	4.1
	15:45	1.98	1374	17.8	12	8.7	0	0	6	3.72	4.1
	16:00	1.98	1374	17.8	12	8.7	0	0	6	3.72	4.1
	16:15	1.97	1367	17.2	12	8.5	0	0	6	3.72	4.1
	16:30	1.97	1367	17.8	12	8.5	0	0	6	3.72	4.1
	16:45	1.96	1360	17.8	12	8.4	0	0	6	3.72	4.1
	17:00	1.97	1367	17.8	12	3.9	0	0	6	3.72	4.1
	17:15	1.97	1367	17.2	12	11.9	0	0	6	3.72	4.1
	17:30	1.97	1367	17.8	12	12.1	0	0	6	3.72	4.1
	17:45	1.95	1353	17.2	12	11.9	0	0	6	3.72	4.1
	18:00	0	0	29	19	6.9	1.8	1249	6	3.72	11.8
	18:15	0	0	17.8	12	5.4	1.8	1249	6	3.72	11.6
	18:30	0.87	604	17.8	12	6.8	0	0	6	3.72	3.7
	18:45	2.01	1395	17.8	12	11.9	0	0	5.5	3.41	3.9
	19:00	1.99	1381	17.8	12	11.1	0	0	6	3.72	4.1
	19:15	1.99	1381	17.8	12	10.6	0	0	6	3.72	4.2
	19:30	2	1388	17.8	12	10	0	0	6	3.72	4.3
	19:45	2	1388	17.8	12	9.6	0	0	6	3.72	4.3
	20:00	2	1388	17.2	12	8.9	0	0	5.5	3.41	4.3
	20:15	1.99	1381	17.8	12	8.5	0	0	6	3.72	4.3
	20:30	1.99	1381	17.8	12	8.5	0	0	5.5	3.41	4.3
	20:45	1.99	1381	17.8	12	8.3	0	0	5.5	3.41	4.3
	21:00	2.01	1395	17.8	12	8.7	0	0	6	3.72	4.3
	21:15	1.99	1381	17.2	12	8.7	0	0	6	3.72	4.3
	21:30	2	1388	17.2	12	8.6	0	0	6	3.72	4.3
	21:45	2.01	1395	17.8	12	8.6	0	0	6	3.72	4.3
	22:00	2	1388	17.8	12	8.4	0	0	6	3.72	4.3
	22:15	2	1388	17.8	12	8.6	0	0	5.5	3.41	4.2
	22:30	1.99	1381	17.2	12	8.5	0	0	6	3.72	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	22:45	1.99	1381	17.2	12	8.6	0	0	5.5	3.41	4.3
	23:00	2	1388	17.8	12	8.5	0	0	5.5	3.41	4.3
	23:15	1.99	1381	17.2	12	8.3	0	0	5.5	3.41	4.2
	23:30	1.99	1381	17.8	12	8.4	0	0	6	3.72	4.2
	23:45	1.98	1374	17.8	12	8.4	0	0	6	3.72	4.2
2/11/2014	0:00	1.98	1374	17.2	12	8.4	0	0	6	3.72	4.2
	0:15	1.98	1374	17.8	12	8.3	0	0	5.5	3.41	4.2
	0:30	1.98	1374	17.8	12	8.2	0	0	6	3.72	4.2
	0:45	1.97	1367	17.8	12	8.2	0	0	5.5	3.41	4.2
	1:00	1.97	1367	17.8	12	8.3	0	0	5.5	3.41	4.2
	1:15	1.97	1367	17.8	12	5.3	0	0	5.5	3.41	4.2
	1:30	1.97	1367	17.8	12	11.9	0	0	6	3.72	4.2
	1:45	1.95	1353	17.8	12	11.9	0	0	6	3.72	4.2
	2:00	1.96	1360	17.8	12	11.9	0	0	5.5	3.41	4.2
	2:15	1.95	1353	17.2	12	11.9	0	0	6	3.72	4.2
	2:30	1.95	1353	17.8	12	11.9	0	0	6	3.72	4.2
	2:45	1.95	1353	17.2	12	11.8	0	0	5.5	3.41	4.2
	3:00	1.94	1346	17.8	12	11.9	0	0	5.5	3.41	4.2
	3:15	1.94	1346	17.2	12	11.8	0	0	5.5	3.41	4.2
	3:30	1.93	1339	17.2	12	11.7	0	0	6	3.72	4.2
	3:45	1.94	1346	17.8	12	11.7	0	0	6	3.72	4.2
	4:00	1.94	1346	17.2	12	11.8	0	0	5.5	3.41	4.2
	4:15	1.93	1339	17.2	12	11.8	0	0	5.5	3.41	4.2
	4:30	1.93	1339	17.2	12	11.7	0	0	6	3.72	4.3
	4:45	1.92	1332	17.8	12	11.7	0	0	5.5	3.41	4.3
	5:00	1.93	1339	17.2	12	11.7	0	0	5.5	3.41	4.2
	5:15	1.92	1332	17.8	12	11.7	0	0	6	3.72	4.2
	5:30	1.91	1326	17.2	12	11.5	0	0	5.5	3.41	4.2
	5:45	1.92	1332	17.8	12	11.5	0	0	5.5	3.41	4.2
	6:00	1.92	1332	17.8	12	11.6	0	0	5.5	3.41	4.2
	6:15	1.91	1326	17.2	12	11.6	0	0	5.5	3.41	4.2
	6:30	1.91	1326	17.2	12	11.5	0	0	6	3.72	4.2
	6:45	1.9	1319	17.8	12	11.5	0	0	5.5	3.41	4.2
	7:00	1.91	1326	17.2	12	11.6	0	0	5.5	3.41	4.2
	7:15	1.91	1326	17.2	12	11.5	0	0	6	3.72	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	7:30	1.89	1312	17.8	12	11.5	0	0	5.5	3.41	4.2
	7:45	1.9	1319	17.8	12	11.4	0	0	5.5	3.41	4.2
	8:00	1.89	1312	17.8	12	11.4	0	0	6	3.72	4.2
	8:15	1.9	1319	17.8	12	11.4	0	0	5.5	3.41	4.2
	8:30	1.89	1312	17.8	12	11.6	0	0	5.5	3.41	4.2
	8:45	1.9	1319	17.2	12	11.4	0	0	6	3.72	4.2
	9:00	1.89	1312	17.2	12	11.5	0	0	5.5	3.41	4.2
	9:15	1.89	1312	17.2	12	3.6	0	0	5.5	3.41	4.2
	9:30	1.89	1312	17.2	12	11.4	0	0	5.5	3.41	4.2
	9:45	1.87	1298	17.2	12	11.3	0	0	5.5	3.41	4.2
	10:00	1.88	1305	17.8	12	11.5	0	0	5.5	3.41	4.2
	10:15	0.05	34.7	40.2	27	7.8	0	0	5.5	3.41	4.7
	10:30	0	0	17.8	12	5.8	0	0	5.5	3.41	4.6
	10:45	1.99	1381	17.2	12	11.7	0	0	5.5	3.41	4.1
	11:00	1.98	1374	17.2	12	11.4	0	0	5.5	3.41	4.1
	11:15	2.01	1395	17.8	12	11.2	0	0	5.5	3.41	4.1
	11:30	2	1388	17.8	12	10.5	0	0	5.5	3.41	4.1
	11:45	1.99	1381	17.2	12	9.7	0	0	5.5	3.41	4.1
	12:00	2	1388	17.2	12	9.8	0	0	5.5	3.41	4.1
	12:15	2	1388	17.2	12	9.1	0	0	6	3.72	4.1
	12:30	2	1388	17.2	12	8.8	0	0	5.5	3.41	4.1
	12:45	2	1388	17.2	12	8.6	0	0	5.5	3.41	4.1
	13:00	2	1388	17.8	12	8.8	0	0	5.5	3.41	4.1
	13:15	1.99	1381	17.8	12	8.8	0	0	5.5	3.41	4.1
	13:30	1.98	1374	17.8	12	8.4	0	0	5.5	3.41	4.1
	13:45	2.01	1395	17.8	12	9	0	0	5.5	3.41	4.1
	14:00	1.99	1381	17.2	12	8.7	0	0	6	3.72	4.1
	14:15	2	1388	17.8	12	8.8	0	0	5.5	3.41	4.1
	14:30	1.98	1374	17.2	12	8.6	0	0	5.5	3.41	4.1
	14:45	1.99	1381	17.2	12	8.4	0	0	5.5	3.41	4.1
	15:00	1.98	1374	17.2	12	8.5	0	0	5.5	3.41	4.1
	15:15	1.97	1367	17.2	12	8.6	0	0	5.5	3.41	4.1
	15:30	1.97	1367	17.2	12	8.6	0	0	6	3.72	4.1
	15:45	1.98	1374	17.2	12	8.6	0	0	6	3.72	4.1
	16:00	1.97	1367	17.2	12	8.6	0	0	5.5	3.41	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	16:15	1.97	1367	17.8	12	8.6	0	0	5.5	3.41	4.1
	16:30	1.97	1367	17.8	12	8.4	0	0	5.5	3.41	4.1
	16:45	1.97	1367	17.2	12	8.4	0	0	5.5	3.41	4.1
	17:00	1.98	1374	17.2	12	8.4	0	0	6	3.72	4.1
	17:15	1.96	1360	17.2	12	9.8	0	0	5.5	3.41	4.1
	17:30	1.96	1360	17.2	12	11.8	0	0	5.5	3.41	4.1
	17:45	1.94	1346	17.2	12	11.9	0	0	5.5	3.41	4.1
	18:00	1.95	1353	17.2	12	11.9	0	0	6	3.72	4.1
	18:15	0.23	160	26.9	18	6.8	1.8	1249	6	3.72	11.9
	18:30	0.3	208	17.2	12	5.1	0	0	5.5	3.41	3.6
	18:45	2	1388	17.8	12	11.6	0	0	5.5	3.41	4.1
	19:00	2	1388	17.8	12	11.6	0	0	5.5	3.41	4.3
	19:15	1.99	1381	17.2	12	10.9	0	0	5.5	3.41	4.3
	19:30	2.01	1395	17.8	12	10.5	0	0	5.5	3.41	4.3
	19:45	2	1388	17.2	12	9.8	0	0	5.5	3.41	4.3
	20:00	1.99	1381	17.2	12	9.1	0	0	5.5	3.41	4.3
	20:15	2.02	1402	17.2	12	9	0	0	5.5	3.41	4.3
	20:30	1.98	1374	17.2	12	8.6	0	0	5.5	3.41	4.3
	20:45	1.99	1381	17.2	12	8.7	0	0	6	3.72	4.3
	21:00	2	1388	17.8	12	8.7	0	0	5.5	3.41	4.3
	21:15	2	1388	17.2	12	8.6	0	0	5.5	3.41	4.3
	21:30	2	1388	17.2	12	8.5	0	0	5.5	3.41	4.3
	21:45	1.99	1381	17.2	12	8.7	0	0	5.5	3.41	4.3
	22:00	1.99	1381	17.2	12	8.5	0	0	6	3.72	4.3
	22:15	1.99	1381	17.2	12	8.7	0	0	5.5	3.41	4.3
	22:30	1.99	1381	17.2	12	8.5	0	0	5.5	3.41	4.3
	22:45	1.98	1374	17.8	12	8.6	0	0	6	3.72	4.3
	23:00	1.98	1374	17.2	12	8.3	0	0	6	3.72	4.3
	23:15	1.98	1374	17.2	12	8.5	0	0	5.5	3.41	4.3
	23:30	1.97	1367	17.2	12	8.4	0	0	5.5	3.41	4.3
	23:45	1.98	1374	17.8	12	8.4	0	0	5.5	3.41	4.3
2/12/2014	0:00	1.97	1367	17.2	12	8.2	0	0	5.5	3.41	4.3
	0:15	1.97	1367	17.2	12	8.4	0	0	5.5	3.41	4.3
	0:30	1.97	1367	17.8	12	8.4	0	0	5.5	3.41	4.3
	0:45	1.97	1367	17.2	12	8.3	0	0	6	3.72	4.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	1:00	1.97	1367	17.8	12	8.3	0	0	5.5	3.41	4.3
	1:15	1.97	1367	17.2	12	8.4	0	0	5.5	3.41	4.3
	1:30	1.95	1353	17.2	12	8.2	0	0	6	3.72	4.3
	1:45	1.95	1353	17.2	12	11.9	0	0	6	3.72	4.3
	2:00	1.96	1360	17.2	12	11.7	0	0	5.5	3.41	4.3
	2:15	1.95	1353	17.2	12	11.7	0	0	6	3.72	4.3
	2:30	1.94	1346	17.8	12	11.8	0	0	6	3.72	4.3
	2:45	1.95	1353	17.8	12	11.6	0	0	6	3.72	4.3
	3:00	1.95	1353	17.8	12	11.6	0	0	6	3.72	4.3
	3:15	1.94	1346	17.8	12	11.6	0	0	5.5	3.41	4.2
	3:30	1.95	1353	17.8	12	11.7	0	0	6	3.72	4.3
	3:45	1.93	1339	17.2	12	11.4	0	0	5.5	3.41	4.3
	4:00	1.95	1353	17.8	12	11.5	0	0	6	3.72	4.3
	4:15	1.93	1339	17.2	12	11.5	0	0	5.5	3.41	4.2
	4:30	1.95	1353	17.2	12	11.5	0	0	6	3.72	4.3
	4:45	1.92	1332	17.2	12	11.6	0	0	6	3.72	4.3
	5:00	1.93	1339	17.2	12	11.4	0	0	6	3.72	4.3
	5:15	1.93	1339	17.8	12	11.8	0	0	6	3.72	4.2
	5:30	1.94	1346	17.2	12	11.5	0	0	5.5	3.41	4.2
	5:45	1.93	1339	17.2	12	11.6	0	0	6	3.72	4.3
	6:00	1.92	1332	17.2	12	11.4	0	0	6	3.72	4.2
	6:15	1.94	1346	17.8	12	11.4	0	0	5.5	3.41	4.2
	6:30	1.93	1339	17.8	12	11.5	0	0	6	3.72	4.2
	6:45	1.92	1332	17.2	12	11.5	0	0	6	3.72	4.2
	7:00	1.92	1332	17.8	12	11.6	0	0	6	3.72	4.2
	7:15	1.91	1326	17.2	12	11.5	0	0	5.5	3.41	4.2
	7:30	1.92	1332	17.8	12	11.3	0	0	6	3.72	4.2
	7:45	1.91	1326	17.2	12	11.4	0	0	6	3.72	4.2
	8:00	1.91	1326	17.2	12	11.3	0	0	6	3.72	4.2
	8:15	1.92	1332	17.2	12	11.6	0	0	5.5	3.41	4.2
	8:30	1.9	1319	17.8	12	11.5	0	0	6	3.72	4.3
	8:45	1.91	1326	17.2	12	11.4	0	0	6	3.72	4.2
	9:00	1.9	1319	17.2	12	3.7	0	0	6	3.72	4.2
	9:15	1.9	1319	17.8	12	11.3	0	0	5.5	3.41	4.2
	9:30	1.9	1319	17.2	12	11.3	0	0	6	3.72	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	9:45	1.9	1319	17.2	12	11.5	0	0	6	3.72	4.8
	10:00	0	0	39.7	27	7.8	0	0	6	3.72	4.6
	10:15	0	0	19.9	13	5.7	0	0	6	3.72	4.3
	10:30	1.98	1374	17.2	12	11.6	0	0	5.5	3.41	4
	10:45	1.99	1381	17.8	12	11.8	0	0	6	3.72	4.1
	11:00	1.99	1381	17.2	12	11.3	0	0	6	3.72	4.1
	11:15	2.01	1395	17.8	12	11	0	0	6	3.72	4.1
	11:30	1.99	1381	17.2	12	10.4	0	0	6	3.72	4.1
	11:45	2.01	1395	17.8	12	10.1	0	0	5.5	3.41	4.1
	12:00	2.01	1395	17.8	12	9.3	0	0	5.5	3.41	4.1
	12:15	2.01	1395	17.8	12	8.9	0	0	6	3.72	4.1
	12:30	2	1388	17.2	12	8.9	0	0	6	3.72	4.1
	12:45	1.99	1381	17.8	12	8.9	0	0	6	3.72	4.1
	13:00	2	1388	17.2	12	8.9	0	0	5.5	3.41	4.1
	13:15	2	1388	17.8	12	9	0	0	6	3.72	4.1
	13:30	2	1388	17.8	12	8.9	0	0	6	3.72	4.1
	13:45	1.99	1381	17.8	12	8.8	0	0	6	3.72	4.1
	14:00	2	1388	17.8	12	8.9	0	0	6	3.72	4.1
	14:15	1.98	1374	17.2	12	8.9	0	0	6	3.72	4.1
	14:30	1.99	1381	17.8	12	8.9	0	0	5.5	3.41	4.1
	14:45	2	1388	17.2	12	8.9	0	0	6	3.72	4.1
	15:00	1.99	1381	17.8	12	8.9	0	0	6	3.72	4.1
	15:15	1.99	1381	17.8	12	9	0	0	6	3.72	4.1
	15:30	1.99	1381	17.8	12	8.7	0	0	6	3.72	4.1
	15:45	1.99	1381	17.8	12	8.7	0	0	6	3.72	4.1
	16:00	1.99	1381	17.8	12	8.8	0	0	6	3.72	4.1
	16:15	1.98	1374	17.8	12	8.8	0	0	6	3.72	4.1
	16:30	1.98	1374	17.8	12	8.7	0	0	6	3.72	4.1
	16:45	1.98	1374	17.8	12	8.8	0	0	6	3.72	4.1
	17:00	1.97	1367	17.8	12	8.5	0	0	6	3.72	4.1
	17:15	1.97	1367	17.8	12	8.7	0	0	6.5	4.03	4.1
	17:30	1.97	1367	17.8	12	8.7	0	0	6	3.72	4.1
	17:45	1.98	1374	17.8	12	8.7	0	0	6	3.72	4.1
	18:00	1.97	1367	17.8	12	8.6	0	0	6.5	4.03	4.1
	18:15	1.97	1367	17.8	12	8.8	0	0	6	3.72	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	18:30	1.97	1367	17.2	12	8.7	0	0	6	3.72	4.1
	18:45	1.95	1353	17.8	12	8.5	0	0	6	3.72	4.1
	19:00	0	0	12.9	8.6	3.5	0	0	6.5	4.03	4.1
	19:15	0	0	19.9	13	2.4	0	0	6	3.72	4.3
	19:30	1.35	937	22.6	15	5	0	0	6	3.72	4
	19:45	2	1388	17.8	12	9	0	0	6	3.72	4.1
	20:00	2	1388	17.8	12	9	0	0	6	3.72	4.1
	20:15	1.99	1381	17.2	12	8.4	0	0	6	3.72	4.2
	20:30	2	1388	17.8	12	8.2	0	0	6.5	4.03	4.1
	20:45	2	1388	17.8	12	8	0	0	6	3.72	4.2
	21:00	2.01	1395	17.8	12	8.2	0	0	6.5	4.03	4.2
	21:15	1.99	1381	17.8	12	7.9	0	0	6	3.72	4.2
	21:30	2	1388	17.8	12	8.1	0	0	6	3.72	4.2
	21:45	1.99	1381	17.8	12	8.3	0	0	6.5	4.03	4.2
	22:00	2.01	1395	17.2	12	7.8	0	0	6	3.72	4.2
	22:15	2	1388	17.8	12	8	0	0	6	3.72	4.2
	22:30	1.99	1381	17.8	12	7.9	0	0	6	3.72	4.2
	22:45	2	1388	17.8	12	7.8	0	0	6.5	4.03	4.2
	23:00	1.99	1381	17.8	12	7.7	0	0	6	3.72	4.2
	23:15	2.01	1395	17.8	12	8.2	0	0	6.5	4.03	4.2
	23:30	2.01	1395	17.8	12	7.8	0	0	6	3.72	4.2
	23:45	1.99	1381	17.8	12	7.8	0	0	6.5	4.03	4.2
2/13/2014	0:00	2.01	1395	17.8	12	8.2	0	0	6	3.72	4.2
	0:15	2	1388	17.8	12	8.3	0	0	6	3.72	4.2
	0:30	2.01	1395	17.8	12	8.4	0	0	6	3.72	4.2
	0:45	1.98	1374	17.8	12	8.3	0	0	6.5	4.03	4.2
	1:00	2	1388	17.8	12	8.5	0	0	6.5	4.03	4.2
	1:15	2	1388	17.8	12	8.3	0	0	6	3.72	4.2
	1:30	2.01	1395	17.8	12	12.1	0	0	6	3.72	4.2
	1:45	2.01	1395	17.8	12	12.1	0	0	6	3.72	4.2
	2:00	1.99	1381	17.8	12	12.2	0	0	6.5	4.03	4.2
	2:15	2	1388	17.8	12	12.1	0	0	6	3.72	4.2
	2:30	2.02	1402	17.8	12	12.1	0	0	6.5	4.03	4.2
	2:45	1.98	1374	17.8	12	12.2	0	0	6.5	4.03	4.2
	3:00	1.99	1381	17.8	12	11.9	0	0	6	3.72	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	3:15	1.99	1381	17.2	12	12	0	0	6.5	4.03	4.2
	3:30	2	1388	17.8	12	12.3	0	0	6	3.72	4.2
	3:45	1.99	1381	17.8	12	12.1	0	0	6	3.72	4.2
	4:00	2	1388	17.2	12	11.9	0	0	6	3.72	4.2
	4:15	1.99	1381	17.8	12	11.9	0	0	6	3.72	4.2
	4:30	1.99	1381	17.8	12	12.2	0	0	6	3.72	4.2
	4:45	1.99	1381	17.8	12	12	0	0	6.5	4.03	4.2
	5:00	2	1388	17.2	12	11.9	0	0	6	3.72	4.2
	5:15	1.99	1381	17.8	12	11.9	0	0	6.5	4.03	4.2
	5:30	2	1388	17.8	12	12.1	0	0	6	3.72	4.2
	5:45	1.99	1381	17.8	12	12.1	0	0	6	3.72	4.2
	6:00	1.99	1381	17.8	12	12	0	0	6	3.72	4.2
	6:15	1.99	1381	17.8	12	12.1	0	0	6	3.72	4.2
	6:30	1.99	1381	17.2	12	12	0	0	6	3.72	4.2
	6:45	2	1388	17.8	12	12.1	0	0	6.5	4.03	4.2
	7:00	1.99	1381	17.8	12	12.1	0	0	6.5	4.03	4.2
	7:15	1.99	1381	17.2	12	12	0	0	6	3.72	4.2
	7:30	1.99	1381	17.8	12	11.9	0	0	6	3.72	4.2
	7:45	1.98	1374	17.2	12	11.9	0	0	6	3.72	4.2
	8:00	1.99	1381	17.8	12	11.9	0	0	6	3.72	4.2
	8:15	1.99	1381	17.8	12	12.1	0	0	6	3.72	4.2
	8:30	1.99	1381	17.2	12	11.9	0	0	6	3.72	4.2
	8:45	1.99	1381	17.2	12	11.9	0	0	6	3.72	4.2
	9:00	1.99	1381	17.2	12	12.1	0	0	6	3.72	4.2
	9:15	1.98	1374	17.8	12	3.8	0	0	6	3.72	4.2
	9:30	1.98	1374	17.8	12	11.8	0	0	6	3.72	4.2
	9:45	1.97	1367	17.2	12	11.9	0	0	6	3.72	4.2
	10:00	1.97	1367	17.2	12	11.6	0	0	6	3.72	4.2
	10:15	0	0	31.1	21	8	0	0	6.5	4.03	4.4
	10:30	0	0	15.1	10	4.4	0	0	6	3.72	4.3
	10:45	2	1388	17.8	12	11.8	0	0	6	3.72	4.1
	11:00	2	1388	17.2	12	11.6	0	0	6	3.72	4.1
	11:15	2.01	1395	17.8	12	11.6	0	0	6	3.72	4.1
	11:30	2.01	1395	17.8	12	11.2	0	0	6	3.72	4.1
	11:45	1.99	1381	17.8	12	10.6	0	0	6	3.72	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	12:00	2	1388	17.8	12	10.4	0	0	6	3.72	4.1
	12:15	2.01	1395	17.8	12	10.1	0	0	6	3.72	4.1
	12:30	1.98	1374	17.8	12	9.3	0	0	6.5	4.03	4.1
	12:45	1.99	1381	17.8	12	9.1	0	0	6.5	4.03	4.1
	13:00	2.01	1395	17.8	12	9.1	0	0	6	3.72	4
	13:15	2	1388	17.8	12	8.9	0	0	6.5	4.03	4.1
	13:30	1.99	1381	18.3	12	8.8	0	0	6.5	4.03	4.1
	13:45	1.99	1381	17.8	12	8.9	0	0	6.5	4.03	4.1
	14:00	2.01	1395	17.8	12	8.9	0	0	6.5	4.03	4.1
	14:15	2	1388	17.8	12	9	0	0	6.5	4.03	4.1
	14:30	2.01	1395	17.8	12	9	0	0	6.5	4.03	4.1
	14:45	1.99	1381	17.8	12	8.7	0	0	6.5	4.03	4.1
	15:00	1.99	1381	17.8	12	8.7	0	0	6.5	4.03	4.1
	15:15	2	1388	17.8	12	9	0	0	6.5	4.03	4.1
	15:30	2.02	1402	17.8	12	9	0	0	6.5	4.03	4.1
	15:45	2.01	1395	17.8	12	8.9	0	0	6.5	4.03	4.1
	16:00	2.01	1395	17.8	12	8.8	0	0	6	3.72	4.1
	16:15	2	1388	17.8	12	8.7	0	0	6.5	4.03	4.1
	16:30	1.99	1381	17.8	12	8.7	0	0	6.5	4.03	4.1
	16:45	2	1388	17.8	12	8.9	0	0	6	3.72	4.1
	17:00	2	1388	17.8	12	8.7	0	0	6.5	4.03	4.1
	17:15	2	1388	17.8	12	8.8	0	0	6	3.72	4.1
	17:30	2	1388	17.8	12	8.7	0	0	6	3.72	4.1
	17:45	2	1388	17.8	12	8.9	0	0	6.5	4.03	4.1
	18:00	2	1388	17.8	12	8.8	0	0	6	3.72	4.1
	18:15	2	1388	17.8	12	8.8	0	0	6.5	4.03	4.1
	18:30	2.01	1395	17.8	12	9	0	0	6.5	4.03	4.1
	18:45	1.99	1381	17.2	12	8.8	0	0	6.5	4.03	4.1
	19:00	2.01	1395	17.8	12	8.8	0	0	6	3.72	4.1
	19:15	2	1388	17.8	12	9	0	0	6	3.72	4.1
	19:30	1.99	1381	17.8	12	4	0	0	6	3.72	4.1
	19:45	2	1388	17.8	12	12	0	0	6.5	4.03	4.1
	20:00	2.01	1395	17.8	12	12	0	0	6.5	4.03	4.1
	20:15	2	1388	17.8	12	12.1	0	0	6.5	4.03	4.1
	20:30	2.01	1395	17.8	12	12.3	0	0	6.5	4.03	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	20:45	2	1388	17.8	12	12.2	0	0	6.5	4.03	4.1
	21:00	2.01	1395	17.8	12	12.3	0	0	6.5	4.03	4.1
	21:15	2	1388	17.8	12	12	0	0	6.5	4.03	4.1
	21:30	2	1388	17.8	12	12.2	0	0	6.5	4.03	4.1
	21:45	0	0	17.8	12	2.9	0	0	7.1	4.4	4.1
	22:00	0	0	29	19	6.3	0	0	6.5	4.03	4.3
	22:15	1.75	1215	17.8	12	10.2	0	0	7.1	4.4	3.8
	22:30	2	1388	20.4	14	11.9	0	0	6.5	4.03	4
	22:45	2.01	1395	17.8	12	11.8	0	0	7.1	4.4	4.1
	23:00	2	1388	17.8	12	11.6	0	0	7.1	4.4	4.1
	23:15	1.99	1381	17.2	12	11.2	0	0	7.1	4.4	4.2
	23:30	2	1388	17.8	12	10.6	0	0	7.1	4.4	4.2
	23:45	2.01	1395	17.8	12	10.4	0	0	7.1	4.4	4.2
2/14/2014	0:00	2	1388	18.3	12	10.2	0	0	7.1	4.4	4.2
	0:15	2	1388	17.8	12	9.8	0	0	7.1	4.4	4.2
	0:30	2	1388	17.8	12	9.3	0	0	7.1	4.4	4.2
	0:45	2	1388	17.8	12	9.1	0	0	7.1	4.4	4.2
	1:00	1.99	1381	17.8	12	9.1	0	0	7.1	4.4	4.2
	1:15	1.99	1381	17.8	12	9	0	0	7.1	4.4	4.2
	1:30	2.01	1395	17.8	12	12.3	0	0	7.1	4.4	4.2
	1:45	1.99	1381	17.8	12	11.9	0	0	7.1	4.4	4.2
	2:00	1.99	1381	17.8	12	12.1	0	0	6.5	4.03	4.2
	2:15	2.02	1402	17.8	12	12.3	0	0	6.5	4.03	4.2
	2:30	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	2:45	2	1388	18.3	12	12	0	0	7.1	4.4	4.2
	3:00	1.99	1381	18.3	12	12	0	0	7.1	4.4	4.2
	3:15	1.97	1367	17.8	12	12.2	0	0	6.5	4.03	4.2
	3:30	2.02	1402	17.8	12	12.3	0	0	7.1	4.4	4.2
	3:45	2.01	1395	17.8	12	12.3	0	0	6.5	4.03	4.2
	4:00	2	1388	17.8	12	12.1	0	0	6.5	4.03	4.2
	4:15	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	4:30	2	1388	18.3	12	12	0	0	6.5	4.03	4.2
	4:45	2	1388	17.8	12	11.9	0	0	7.1	4.4	4.2
	5:00	1.99	1381	17.8	12	11.9	0	0	7.1	4.4	4.2
	5:15	2.01	1395	17.8	12	12.3	0	0	7.1	4.4	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	5:30	2	1388	17.8	12	12.2	0	0	7.1	4.4	4.2
	5:45	1.98	1374	17.8	12	11.9	0	0	7.1	4.4	4.2
	6:00	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	6:15	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	6:30	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	6:45	2.01	1395	17.8	12	12.3	0	0	7.1	4.4	4.2
	7:00	2.01	1395	17.8	12	12.4	0	0	7.1	4.4	4.2
	7:15	1.99	1381	17.8	12	12.2	0	0	6.5	4.03	4.2
	7:30	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	7:45	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	8:00	2.01	1395	17.8	12	12.4	0	0	7.1	4.4	4.2
	8:15	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	8:30	2	1388	18.3	12	12.1	0	0	7.1	4.4	4.2
	8:45	1.99	1381	18.3	12	12.1	0	0	7.1	4.4	4.2
	9:00	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	9:15	2.01	1395	17.8	12	12.1	0.18	125	7.1	4.4	5.6
	9:30	1.99	1381	17.8	12	12.2	0	0	6.5	4.03	4.3
	9:45	0	0	42.9	29	8.5	0	0	7.1	4.4	4
	10:00	0	0	24.7	17	4.7	0	0	6.5	4.03	4
	10:15	1.99	1381	17.8	12	12.1	0	0	6.5	4.03	4.1
	10:30	1.99	1381	17.8	12	11.6	0	0	6.5	4.03	4.1
	10:45	1.99	1381	17.8	12	11.6	0	0	6.5	4.03	4.1
	11:00	1.99	1381	17.8	12	11.4	0	0	6.5	4.03	4.1
	11:15	2	1388	17.8	12	11	0	0	7.1	4.4	4.1
	11:30	2	1388	17.8	12	10.5	0	0	7.1	4.4	4.1
	11:45	1.99	1381	17.8	12	10	0	0	6.5	4.03	4.1
	12:00	1.99	1381	17.8	12	9.9	0	0	7.1	4.4	4.1
	12:15	2	1388	17.8	12	9.5	0	0	6.5	4.03	4.1
	12:30	2.01	1395	17.8	12	9.3	0	0	6.5	4.03	4.1
	12:45	2.01	1395	17.8	12	9.1	0	0	7.1	4.4	4.1
	13:00	2.01	1395	18.3	12	8.9	0	0	7.1	4.4	4.1
	13:15	1.99	1381	17.8	12	8.9	0	0	7.1	4.4	4.1
	13:30	1.98	1374	17.8	12	8.9	0	0	7.1	4.4	4.1
	13:45	1.98	1374	17.8	12	9.2	0	0	7.1	4.4	4.1
	14:00	2	1388	18.3	12	9.1	0	0	6.5	4.03	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	14:15	2	1388	17.8	12	9.2	0	0	6.5	4.03	4.1
	14:30	2	1388	17.8	12	9.1	0	0	6.5	4.03	4.1
	14:45	1.99	1381	17.8	12	8.9	0	0	6.5	4.03	4.1
	15:00	2	1388	17.8	12	8.7	0	0	7.1	4.4	4.1
	15:15	2.01	1395	17.8	12	9.1	0	0	6.5	4.03	4.1
	15:30	2	1388	17.8	12	8.9	0	0	6.5	4.03	4.1
	15:45	2	1388	17.8	12	8.7	0	0	6.5	4.03	4.1
	16:00	1.99	1381	17.8	12	9	0	0	6.5	4.03	4.1
	16:15	2	1388	17.8	12	8.8	0	0	6.5	4.03	4.1
	16:30	2.01	1395	17.8	12	9	0	0	6.5	4.03	4.1
	16:45	2	1388	17.8	12	9	0	0	6.5	4.03	4.1
	17:00	2.01	1395	17.8	12	8.9	0	0	6.5	4.03	4.1
	17:15	2.01	1395	17.8	12	8.9	0	0	6.5	4.03	4.1
	17:30	2	1388	17.8	12	9.2	0	0	6.5	4.03	4.1
	17:45	2	1388	17.8	12	9	0	0	6.5	4.03	4.1
	18:00	1.99	1381	17.8	12	8.9	0	0	7.1	4.4	4.1
	18:15	1.99	1381	17.8	12	9	0	0	7.1	4.4	4.1
	18:30	2	1388	17.8	12	9	0	0	7.1	4.4	4.1
	18:45	1.99	1381	17.8	12	8.8	0	0	7.1	4.4	4.1
	19:00	2	1388	17.8	12	8.7	0	0	7.1	4.4	4.1
	19:15	2.01	1395	17.8	12	8.9	0	0	7.1	4.4	4.1
	19:30	2.02	1402	17.8	12	12.4	0	0	7.1	4.4	4.1
	19:45	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.1
	20:00	2	1388	17.8	12	12.3	0	0	7.1	4.4	4.1
	20:15	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.1
	20:30	0	0	17.8	12	3.4	0	0	7.1	4.4	4.1
	20:45	0	0	29	19	7.6	0	0	7.1	4.4	4.1
	21:00	0	0	13.5	9	4.9	0	0	7.1	4.4	3.9
	21:15	0	0	11.3	7.6	4.2	0	0	6.5	4.03	3.6
	21:30	0	0	8.7	5.8	4	0	0	7.6	4.71	4.6
	21:45	2	1388	20.4	14	10.7	0	0	7.1	4.4	4.2
	22:00	1.99	1381	19.9	13	11.7	0	0	7.1	4.4	4.2
	22:15	2.01	1395	19.9	13	11.6	0	0	7.1	4.4	4.2
	22:30	2.01	1395	19.9	13	11.2	0	0	7.1	4.4	4.2
	22:45	1.98	1374	20.4	14	10.9	0	0	7.1	4.4	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	23:00	1.99	1381	19.9	13	10.7	0	0	7.6	4.71	4.2
	23:15	2	1388	19.9	13	10.1	0	0	7.6	4.71	4.2
	23:30	1.99	1381	20.4	14	9.8	0	0	7.6	4.71	4.2
	23:45	1.99	1381	20.4	14	9.6	0	0	7.6	4.71	4.2
2/15/2014	0:00	2	1388	20.4	14	9.3	0	0	7.1	4.4	4.2
	0:15	1.99	1381	19.9	13	8.6	0	0	7.1	4.4	4.2
	0:30	2	1388	19.9	13	9	0	0	7.1	4.4	4.2
	0:45	2	1388	20.4	14	9	0	0	7.1	4.4	4.2
	1:00	1.99	1381	19.9	13	9	0	0	7.1	4.4	4.2
	1:15	2.01	1395	20.4	14	9.2	0	0	7.1	4.4	4.2
	1:30	2	1388	19.9	13	12.2	0	0	7.1	4.4	4.2
	1:45	2.01	1395	20.4	14	12.1	0	0	7.1	4.4	4.2
	2:00	2	1388	19.9	13	12.2	0	0	7.1	4.4	4.2
	2:15	2	1388	19.9	13	12	0	0	7.1	4.4	4.2
	2:30	2.02	1402	19.9	13	12.1	0	0	7.1	4.4	4.2
	2:45	2	1388	19.9	13	11.9	0	0	7.1	4.4	4.2
	3:00	2	1388	19.9	13	12.3	0	0	7.1	4.4	4.2
	3:15	2.01	1395	20.4	14	12.2	0	0	7.6	4.71	4.2
	3:30	2	1388	19.9	13	12.4	0	0	7.1	4.4	4.2
	3:45	2	1388	19.9	13	12.2	0	0	7.6	4.71	4.2
	4:00	1.99	1381	19.9	13	12	0	0	7.1	4.4	4.2
	4:15	2.02	1402	19.9	13	12.1	0	0	7.1	4.4	4.2
	4:30	2	1388	19.9	13	12.1	0	0	7.1	4.4	4.2
	4:45	2	1388	19.9	13	12	0	0	7.1	4.4	4.2
	5:00	2	1388	20.4	14	12.1	0	0	7.1	4.4	4.2
	5:15	1.99	1381	17.8	12	12	0	0	7.1	4.4	4.2
	5:30	2	1388	17.8	12	11.9	0	0	7.1	4.4	4.2
	5:45	2	1388	20.4	14	12.2	0	0	7.1	4.4	4.2
	6:00	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	6:15	2	1388	17.8	12	12	0	0	7.1	4.4	4.2
	6:30	2	1388	17.8	12	11.9	0	0	7.1	4.4	4.2
	6:45	2	1388	17.8	12	12.2	0	0	7.1	4.4	4.2
	7:00	2	1388	17.8	12	11.9	0	0	7.1	4.4	4.2
	7:15	1.98	1374	17.8	12	11.9	0	0	7.1	4.4	4.2
	7:30	2.01	1395	17.8	12	12.3	0	0	7.1	4.4	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	7:45	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	8:00	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	8:15	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	8:30	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	8:45	1.99	1381	17.8	12	12	0	0	7.1	4.4	4.2
	9:00	2	1388	18.3	12	12.1	0	0	6.5	4.03	4.2
	9:15	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	9:30	2	1388	18.3	12	12.2	0	0	6.5	4.03	4.2
	9:45	2	1388	17.8	12	11.9	0	0	7.1	4.4	4.2
	10:00	2	1388	17.8	12	12	0	0	7.1	4.4	4.2
	10:15	2.01	1395	17.8	12	12.3	0	0	7.1	4.4	4.2
	10:30	1.99	1381	17.8	12	12.1	0	0	7.1	4.4	4.2
	10:45	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	11:00	2.01	1395	18.3	12	12.3	0	0	7.1	4.4	4.2
	11:15	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	11:30	1.99	1381	18.3	12	12	0	0	7.1	4.4	4.2
	11:45	2.02	1402	17.8	12	12.3	0	0	7.1	4.4	4.2
	12:00	2	1388	18.3	12	12.2	0	0	7.6	4.71	4.2
	12:15	2	1388	18.3	12	11.9	0	0	7.6	4.71	4.2
	12:30	2.01	1395	18.3	12	12.2	0	0	7.1	4.4	4.2
	12:45	2	1388	18.3	12	12.1	0	0	7.6	4.71	4.2
	13:00	2	1388	18.3	12	12.3	0	0	7.6	4.71	4.2
	13:15	2	1388	17.8	12	11.9	0	0	7.6	4.71	4.2
	13:30	1.99	1381	17.8	12	12.2	0	0	7.6	4.71	4.2
	13:45	2.02	1402	17.8	12	12.2	0	0	7.1	4.4	4.2
	14:00	1.99	1381	18.3	12	12.1	0	0	7.1	4.4	4.2
	14:15	2	1388	17.8	12	12.3	0	0	7.1	4.4	4.2
	14:30	2	1388	17.8	12	12.2	0	0	7.1	4.4	4.2
	14:45	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	15:00	2	1388	17.8	12	11.9	0	0	7.1	4.4	4.2
	15:15	1.99	1381	17.8	12	12.2	0	0	7.1	4.4	4.2
	15:30	2.01	1395	17.8	12	12	0	0	7.1	4.4	4.2
	15:45	1.98	1374	17.8	12	12.1	0	0	7.1	4.4	4.2
	16:00	1.99	1381	17.8	12	12.1	0	0	7.1	4.4	4.2
	16:15	2.01	1395	18.3	12	12.1	0	0	7.1	4.4	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	16:30	2.01	1395	18.3	12	12.3	0	0	7.1	4.4	4.2
	16:45	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	17:00	2	1388	18.3	12	12	0	0	7.1	4.4	4.2
	17:15	2.01	1395	17.8	12	12	0	0	7.1	4.4	4.2
	17:30	2	1388	18.3	12	12	0	0	7.1	4.4	4.2
	17:45	2.02	1402	18.3	12	12.2	0	0	7.1	4.4	4.2
	18:00	2.01	1395	17.8	12	12.3	0	0	7.1	4.4	4.2
	18:15	2.01	1395	17.8	12	12	0	0	7.1	4.4	4.2
	18:30	1.99	1381	18.3	12	12.1	0	0	7.1	4.4	4.2
	18:45	1.99	1381	18.3	12	12.1	0	0	7.1	4.4	4.2
	19:00	2.01	1395	17.8	12	12.2	0	0	7.1	4.4	4.2
	19:15	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	19:30	1.98	1374	17.8	12	12	0	0	7.1	4.4	4.2
	19:45	2	1388	17.8	12	12.2	0	0	7.1	4.4	4.2
	20:00	1.99	1381	17.8	12	12.1	0	0	6.5	4.03	4.2
	20:15	2	1388	17.8	12	12.2	0	0	7.1	4.4	4.2
	20:30	2	1388	17.8	12	7.6	0	0	7.1	4.4	4.2
	20:45	1.99	1381	18.3	12	12.2	0	0	7.1	4.4	4.2
	21:00	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	21:15	1.99	1381	20.4	14	12	0	0	7.1	4.4	4.2
	21:30	2	1388	17.8	12	12	0	0	7.1	4.4	4.2
	21:45	2	1388	17.8	12	12.3	0	0	7.1	4.4	4.2
	22:00	2.01	1395	18.3	12	12.2	0	0	7.6	4.71	4.2
	22:15	2.01	1395	17.8	12	12.4	0	0	7.1	4.4	4.2
	22:30	2	1388	18.3	12	12	0	0	7.1	4.4	4.2
	22:45	2	1388	18.3	12	12.3	0	0	7.6	4.71	4.2
	23:00	1.99	1381	17.8	12	12	0	0	7.6	4.71	4.2
	23:15	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	23:30	2	1388	17.8	12	12.1	0	0	7.6	4.71	4.2
	23:45	2.01	1395	17.8	12	12.3	0	0	7.6	4.71	4.2
2/16/2014	0:00	2	1388	17.8	12	12.1	0	0	7.1	4.4	4.2
	0:15	2.01	1395	17.8	12	12.1	0	0	7.1	4.4	4.2
	0:30	2	1388	17.8	12	12.2	0	0	7.6	4.71	4.2
	0:45	2.01	1395	18.3	12	12	0	0	7.6	4.71	4.2
	1:00	2	1388	18.3	12	12	0	0	7.6	4.71	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	1:15	1.99	1381	20.4	14	11.9	0	0	7.6	4.71	4.2
	1:30	2.02	1402	20.4	14	12.3	0	0	7.6	4.71	4.2
	1:45	2	1388	20.4	14	12	0	0	7.6	4.71	4.2
	2:00	2	1388	20.4	14	11.9	0	0	7.1	4.4	4.2
	2:15	2	1388	19.9	13	11.9	0	0	7.6	4.71	4.2
	2:30	1.99	1381	20.4	14	12	0	0	7.1	4.4	4.2
	2:45	2	1388	17.8	12	12.2	0	0	7.6	4.71	4.2
	3:00	1.99	1381	18.3	12	11.9	0	0	7.6	4.71	4.2
	3:15	1.99	1381	18.3	12	11.8	0	0	7.6	4.71	4.2
	3:30	2	1388	18.3	12	12.2	0	0	7.6	4.71	4.2
	3:45	2	1388	18.3	12	12.2	0	0	7.6	4.71	4.2
	4:00	1.99	1381	20.4	14	12.1	0	0	7.6	4.71	4.2
	4:15	1.98	1374	20.4	14	12	0	0	7.6	4.71	4.2
	4:30	2	1388	18.3	12	12.1	0	0	7.1	4.4	4.2
	4:45	2	1388	20.4	14	12.1	0	0	7.6	4.71	4.2
	5:00	1.99	1381	20.4	14	11.9	0	0	7.6	4.71	4.2
	5:15	1.99	1381	19.9	13	12	0	0	7.6	4.71	4.2
	5:30	2	1388	20.4	14	12	0	0	7.6	4.71	4.2
	5:45	2	1388	19.9	13	12.2	0	0	7.6	4.71	4.2
	6:00	1.99	1381	19.9	13	12	0	0	7.1	4.4	4.2
	6:15	2	1388	20.4	14	12.1	0	0	7.6	4.71	4.2
	6:30	2	1388	20.4	14	11.8	0	0	7.6	4.71	4.2
	6:45	2.01	1395	20.4	14	12	0	0	7.1	4.4	4.2
	7:00	1.99	1381	20.4	14	12	0	0	7.1	4.4	4.2
	7:15	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.2
	7:30	2	1388	19.9	13	12.1	0	0	7.1	4.4	4.2
	7:45	2	1388	19.9	13	12.2	0	0	7.6	4.71	4.2
	8:00	1.98	1374	20.4	14	11.9	0	0	7.1	4.4	4.2
	8:15	2.01	1395	20.4	14	12.1	0	0	7.6	4.71	4.2
	8:30	1.99	1381	20.4	14	12.1	0	0	7.6	4.71	4.2
	8:45	0	0	18.3	12	3.5	0	0	7.1	4.4	4.2
	9:00	0	0	45.1	30	4.9	0	0	7.6	4.71	4.2
	9:15	2	1388	19.9	13	12.1	0	0	7.6	4.71	3.9
	9:30	2	1388	20.4	14	12	0	0	7.6	4.71	4
	9:45	1.99	1381	20.4	14	11.6	0.19	132	7.6	4.71	5.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	10:00	2.01	1395	20.4	14	12.3	0	0	7.1	4.4	4
	10:15	1.99	1381	20.4	14	12.1	0	0	7.6	4.71	4
	10:30	2.02	1402	20.4	14	12.3	0	0	7.1	4.4	4
	10:45	2.01	1395	20.4	14	12.1	0	0	7.6	4.71	4
	11:00	2.01	1395	20.4	14	12.1	0	0	7.1	4.4	4
	11:15	2	1388	20.4	14	12.2	0	0	7.6	4.71	4
	11:30	1.98	1374	20.4	14	11.9	0	0	7.6	4.71	4
	11:45	2	1388	20.4	14	12	0	0	7.6	4.71	4
	12:00	2.02	1402	20.4	14	12.1	0	0	7.6	4.71	4
	12:15	1.99	1381	20.4	14	12.3	0	0	7.6	4.71	4
	12:30	2	1388	20.4	14	12	0	0	7.6	4.71	4
	12:45	2	1388	20.4	14	12.1	0	0	7.6	4.71	4
	13:00	2.01	1395	20.4	14	12.3	0	0	7.6	4.71	4
	13:15	2	1388	20.4	14	12.3	0	0	7.6	4.71	4
	13:30	2.01	1395	20.4	14	12.3	0	0	7.6	4.71	4.1
	13:45	1.98	1374	20.4	14	12	0	0	7.6	4.71	4.1
	14:00	1.99	1381	20.4	14	12.1	0	0	7.6	4.71	4.1
	14:15	2	1388	20.4	14	12.3	0	0	7.6	4.71	4.1
	14:30	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.1
	14:45	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.1
	15:00	2	1388	20.4	14	12	0	0	7.6	4.71	4.1
	15:15	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.1
	15:30	2.01	1395	20.4	14	12.2	0	0	8.1	5.02	4.1
	15:45	2	1388	20.4	14	12.1	0	0	7.6	4.71	4.1
	16:00	2	1388	20.4	14	12.3	0	0	7.6	4.71	4.1
	16:15	2.01	1395	20.4	14	12.1	0	0	7.6	4.71	4.1
	16:30	1.98	1374	19.9	13	12	0	0	7.6	4.71	4.1
	16:45	2	1388	20.4	14	12.1	0	0	8.1	5.02	4.1
	17:00	2	1388	20.4	14	12	0	0	7.6	4.71	4.1
	17:15	2.01	1395	20.4	14	12.1	0	0	8.1	5.02	4.1
	17:30	2.01	1395	20.4	14	12.5	0	0	8.1	5.02	4.1
	17:45	2.01	1395	20.4	14	12.2	0	0	8.1	5.02	4.1
	18:00	1.98	1374	20.4	14	11.9	0	0	7.6	4.71	4.1
	18:15	2	1388	20.4	14	12.3	0	0	8.1	5.02	4.1
	18:30	1.99	1381	20.4	14	11.8	0	0	8.1	5.02	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	18:45	2	1388	20.4	14	12.2	0	0	8.1	5.02	4.1
	19:00	2	1388	20.4	14	12.1	0	0	8.1	5.02	4.1
	19:15	2	1388	20.4	14	12.2	0	0	8.1	5.02	4.1
	19:30	2.02	1402	20.4	14	12.3	0	0	7.6	4.71	4.1
	19:45	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.1
	20:00	1.99	1381	20.4	14	12.1	0	0	8.1	5.02	4.1
	20:15	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.1
	20:30	2	1388	20.4	14	12	0	0	7.6	4.71	4.1
	20:45	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.1
	21:00	1.99	1381	20.4	14	12.1	0	0	7.6	4.71	4.1
	21:15	1.99	1381	19.9	13	12.2	0	0	7.6	4.71	4.1
	21:30	2.01	1395	20.4	14	12.4	0	0	7.6	4.71	4.1
	21:45	2.01	1395	20.4	14	12.2	0	0	7.6	4.71	4.1
	22:00	2	1388	20.4	14	12.1	0	0	7.6	4.71	4.1
	22:15	2.02	1402	19.9	13	12.1	0	0	7.6	4.71	4.1
	22:30	2	1388	20.4	14	11.9	0	0	7.6	4.71	4.1
	22:45	2	1388	20.4	14	12.5	0	0	7.6	4.71	4.1
	23:00	0	0	54.1	36	5	0	0	8.1	5.02	4.1
	23:15	0	0	36.5	24	4.3	0	0	8.1	5.02	4.6
	23:30	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	3.9
	23:45	2.01	1395	22.6	15	12	0	0	8.1	5.02	4
2/17/2014	0:00	2	1388	22.6	15	11.9	0	0	8.1	5.02	4.1
	0:15	2.01	1395	22.6	15	11.9	0	0	8.1	5.02	4.1
	0:30	2	1388	22.6	15	11.6	0	0	8.1	5.02	4.1
	0:45	2	1388	22.6	15	10.8	0	0	8.1	5.02	4.1
	1:00	2.01	1395	20.4	14	10.8	0	0	8.1	5.02	4.2
	1:15	1.99	1381	20.4	14	12.2	0	0	8.1	5.02	4.1
	1:30	1.99	1381	20.4	14	12.1	0	0	8.1	5.02	4.1
	1:45	1.99	1381	20.4	14	12.1	0	0	8.7	5.39	4.2
	2:00	1.99	1381	22.6	15	12.4	0	0	8.1	5.02	4.1
	2:15	2	1388	20.4	14	12.1	0	0	8.1	5.02	4.2
	2:30	2	1388	20.4	14	12.1	0	0	8.1	5.02	4.2
	2:45	2	1388	20.4	14	12.4	0	0	8.1	5.02	4.1
	3:00	2	1388	20.4	14	12.2	0	0	8.1	5.02	4.2
	3:15	2.01	1395	20.4	14	12.1	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	3:30	2	1388	20.4	14	12	0	0	8.7	5.39	4.2
	3:45	2	1388	20.4	14	12.3	0	0	8.1	5.02	4.2
	4:00	2.02	1402	20.4	14	12.2	0	0	8.1	5.02	4.2
	4:15	2	1388	20.4	14	12.2	0	0	8.1	5.02	4.2
	4:30	1.99	1381	20.4	14	12.1	0	0	8.1	5.02	4.2
	4:45	2.01	1395	20.4	14	6	0	0	8.1	5.02	4.2
	5:00	2	1388	20.4	14	5.9	0	0	8.1	5.02	4.2
	5:15	2	1388	20.4	14	5.9	0	0	8.1	5.02	4.2
	5:30	2	1388	20.4	14	5.9	0	0	8.1	5.02	4.2
	5:45	1.99	1381	20.4	14	5.9	0	0	8.1	5.02	4.2
	6:00	1.99	1381	20.4	14	5.9	0	0	8.1	5.02	4.2
	6:15	2.02	1402	20.4	14	5.9	0	0	8.1	5.02	4.2
	6:30	1.99	1381	20.4	14	5.9	0	0	8.1	5.02	4.2
	6:45	2	1388	20.4	14	5.8	0	0	8.1	5.02	4.2
	7:00	2	1388	20.4	14	6	0	0	8.1	5.02	4.2
	7:15	1.99	1381	20.4	14	5.9	0	0	8.1	5.02	4.2
	7:30	1.99	1381	20.4	14	5.9	0	0	8.1	5.02	4.2
	7:45	2	1388	20.4	14	5.9	0	0	8.1	5.02	4.2
	8:00	2	1388	20.4	14	6	0	0	8.1	5.02	4.2
	8:15	1.99	1381	20.4	14	6	0	0	8.1	5.02	4.2
	8:30	1.99	1381	20.4	14	5.9	0	0	8.1	5.02	4.2
	8:45	2	1388	20.4	14	5.8	0	0	8.1	5.02	4.2
	9:00	2	1388	20.4	14	5.8	0	0	8.1	5.02	4.2
	9:15	2.02	1402	20.4	14	12	0	0	8.1	5.02	4.2
	9:30	2	1388	20.4	14	12	0	0	8.1	5.02	4.2
	9:45	2	1388	20.4	14	12.1	0.19	132	8.1	5.02	5.6
	10:00	0	0	21	14	7.2	0	0	8.1	5.02	4.3
	10:15	0	0	38.6	26	7.4	0	0	8.1	5.02	4.3
	10:30	0.77	534	23.1	15	6.9	0	0	7.6	4.71	3.9
	10:45	2	1388	22.6	15	12.7	0	0	7.6	4.71	4.1
	11:00	2.01	1395	22.6	15	11.8	0	0	8.1	5.02	4.1
	11:15	0	0	20.4	14	2.9	1.75	1215	7.6	4.71	11.4
	11:30	0	0	20.4	14	2.9	1.75	1215	8.1	5.02	11.5
	11:45	0	0	20.4	14	2.9	1.73	1201	7.6	4.71	11.2
	12:00	0	0	20.4	14	3	1.76	1221	7.6	4.71	11.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	12:15	0	0	20.4	14	3.1	1.76	1221	8.1	5.02	11.3
	12:30	0	0	21	14	3.2	1.75	1215	7.6	4.71	11.3
	12:45	0	0	20.4	14	3.3	1.75	1215	7.6	4.71	11.1
	13:00	0	0	21	14	3.4	1.74	1208	7.6	4.71	11.2
	13:15	0	0	0.1	0.1	3.4	1.75	1215	7.6	4.71	11.2
	13:30	0	0	0.1	0.1	3.5	1.76	1221	7.6	4.71	11
	13:45	0	0	0.1	0.1	3.6	1.73	1201	7.6	4.71	11
	14:00	0	0	0.1	0.1	3.7	1.75	1215	7.1	4.4	11.2
	14:15	0	0	0.1	0.1	3.7	1.76	1221	7.6	4.71	11.4
	14:30	0	0	0.1	0.1	3.7	1.74	1208	7.6	4.71	11.3
	14:45	0	0	0.1	0.1	3.6	1.73	1201	7.6	4.71	11.1
	15:00	0	0	0.1	0.1	3.6	1.75	1215	7.1	4.4	11.1
	15:15	0	0	0.1	0.1	3.6	1.75	1215	7.1	4.4	11
	15:30	0	0	0.1	0.1	3.6	1.74	1208	7.1	4.4	11.2
	15:45	0	0	0.1	0.1	3.5	1.74	1208	7.6	4.71	11.1
	16:00	0	0	0.1	0.1	3.5	1.74	1208	7.1	4.4	11.1
	16:15	0	0	0.1	0.1	3.4	1.79	1242	7.1	4.4	11.4
	16:30	0	0	0.1	0.1	3.3	1.78	1235	7.1	4.4	2.8
	16:45	0	0	0.1	0.1	3.7	1.78	1235	7.1	4.4	11.5
	17:00	0	0	0.1	0.1	4.5	1.8	1249	7.1	4.4	11.3
	17:15	0	0	0.1	0.1	5.5	1.79	1242	7.6	4.71	11.3
	17:30	0	0	0.1	0.1	6.5	1.81	1256	7.6	4.71	11.6
	17:45	0	0	0.1	0.1	7.5	1.82	1263	7.1	4.4	11.6
	18:00	0	0	0.1	0.1	8.2	1.81	1256	7.1	4.4	11.6
	18:15	0	0	0.1	0.1	8.8	1.79	1242	7.6	4.71	11.4
	18:30	0	0	0.6	0.4	9.2	1.79	1242	7.1	4.4	11.2
	18:45	0	0	0.1	0.1	9.5	1.79	1242	7.1	4.4	11.5
	19:00	0	0	0.1	0.1	9.6	1.79	1242	7.6	4.71	11.2
	19:15	0	0	0.1	0.1	9.7	1.8	1249	7.6	4.71	11.2
	19:30	0	0	0.1	0.1	5.8	1.79	1242	7.6	4.71	11.5
	19:45	0	0	0.1	0.1	5.8	1.79	1242	7.6	4.71	11.2
	20:00	0	0	0.1	0.1	5.7	1.8	1249	7.6	4.71	11.4
	20:15	0	0	0.6	0.4	5.4	1.78	1235	7.6	4.71	11.3
	20:30	0	0	0.1	0.1	5.1	1.8	1249	7.6	4.71	11.4
	20:45	0	0	0.1	0.1	4.9	1.81	1256	8.1	5.02	11.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	21:00	0	0	0.1	0.1	4.9	1.79	1242	8.1	5.02	11.2
	21:15	0	0	0.6	0.4	4.8	1.79	1242	7.6	4.71	11.4
	21:30	0	0	0.1	0.1	4.7	1.8	1249	8.1	5.02	11.6
	21:45	0	0	0.1	0.1	4.7	1.8	1249	8.1	5.02	11.3
	22:00	0	0	0.1	0.1	4.7	1.8	1249	8.1	5.02	11.4
	22:15	0	0	0.6	0.4	4.6	1.8	1249	8.1	5.02	11.5
	22:30	0	0	0.1	0.1	4.6	1.81	1256	8.1	5.02	11.7
	22:45	0	0	0.6	0.4	4.5	1.81	1256	8.1	5.02	11.6
	23:00	0	0	0.6	0.4	4.5	1.8	1249	8.1	5.02	11.3
	23:15	0	0	0.6	0.4	4.4	1.81	1256	8.1	5.02	11.5
	23:30	0	0	0.6	0.4	4.4	1.82	1263	8.1	5.02	11.6
	23:45	0	0	0.6	0.4	0	1.79	1242	8.1	5.02	11.2
2/18/2014	0:00	0	0	0.6	0.4	0	1.79	1242	8.1	5.02	11.3
	0:15	0	0	0.6	0.4	0	1.81	1256	8.1	5.02	11.5
	0:30	0	0	0.1	0.1	0	1.81	1256	8.1	5.02	11.4
	0:45	0	0	0.6	0.4	0	1.8	1249	8.1	5.02	3.7
	1:00	0	0	0.6	0.4	0	1.8	1249	8.1	5.02	3.7
	1:15	0	0	0.1	0.1	0	1.8	1249	8.1	5.02	3.7
	1:30	0	0	0.6	0.4	0	1.82	1263	7.6	4.71	3.7
	1:45	0	0	0.1	0.1	0.1	1.8	1249	8.1	5.02	3.7
	2:00	0	0	0.6	0.4	0.1	1.79	1242	8.1	5.02	3.7
	2:15	0	0	0.6	0.4	0.1	1.82	1263	8.1	5.02	3.7
	2:30	0	0	0.6	0.4	0.1	1.81	1256	8.1	5.02	3.7
	2:45	0	0	0.6	0.4	0.2	1.79	1242	7.6	4.71	3.7
	3:00	0	0	0.1	0.1	0.2	1.81	1256	8.1	5.02	3.6
	3:15	0	0	0.1	0.1	0.2	1.8	1249	8.1	5.02	3.6
	3:30	0	0	0.1	0.1	0.2	1.81	1256	8.1	5.02	3.6
	3:45	0	0	0.6	0.4	0.2	1.78	1235	7.6	4.71	3.6
	4:00	0	0	0.6	0.4	0.2	1.8	1249	7.6	4.71	3.6
	4:15	0	0	0.1	0.1	0.2	1.8	1249	7.6	4.71	3.6
	4:30	0	0	0.6	0.4	0.3	1.8	1249	7.6	4.71	3.7
	4:45	0	0	0.6	0.4	0.3	1.78	1235	8.1	5.02	3.6
	5:00	0	0	0.6	0.4	0.3	1.8	1249	7.6	4.71	3.7
	5:15	0	0	0.1	0.1	0.3	1.79	1242	8.1	5.02	11.3
	5:30	0	0	0.6	0.4	0.3	1.79	1242	7.6	4.71	11.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	5:45	0	0	0.6	0.4	0.3	1.8	1249	7.6	4.71	11.5
	6:00	0	0	0.6	0.4	0.3	1.8	1249	7.6	4.71	11.1
	6:15	0	0	0.1	0.1	0.3	1.8	1249	7.6	4.71	11.4
	6:30	0	0	0.1	0.1	0.3	1.82	1263	7.6	4.71	11.7
	6:45	0	0	0.1	0.1	0.3	1.81	1256	7.6	4.71	11.6
	7:00	0	0	0.1	0.1	0.3	1.79	1242	7.6	4.71	11.2
	7:15	0	0	0.6	0.4	0.3	1.78	1235	7.6	4.71	11.6
	7:30	0	0	0.1	0.1	0.3	1.78	1235	7.6	4.71	11.3
	7:45	0	0	0.1	0.1	0.4	1.79	1242	7.6	4.71	11.5
	8:00	0	0	0.1	0.1	0.3	1.79	1242	7.6	4.71	11.2
	8:15	0	0	0.6	0.4	0.4	1.8	1249	7.6	4.71	11.2
	8:30	0	0	0.1	0.1	0.3	1.8	1249	7.6	4.71	11.4
	8:45	0	0	0.1	0.1	0.4	1.79	1242	7.6	4.71	11.3
	9:00	0	0	0.1	0.1	0.4	1.8	1249	8.1	5.02	11.5
	9:15	0	0	0.1	0.1	0.4	1.8	1249	7.6	4.71	2.8
	9:30	0	0	0.1	0.1	0.4	1.8	1249	7.6	4.71	11.3
	9:45	0	0	0.1	0.1	0.4	1.78	1235	7.6	4.71	11.3
	10:00	0	0	0.1	0.1	0.4	1.8	1249	8.1	5.02	11.4
	10:15	0	0	0.6	0.4	0.4	1.79	1242	8.1	5.02	11.2
	10:30	0	0	0.1	0.1	0.4	1.79	1242	7.6	4.71	11.5
	10:45	0	0	0.1	0.1	0.4	1.79	1242	8.1	5.02	11.4
	11:00	0	0	0.1	0.1	0.4	1.78	1235	8.1	5.02	11.3
	11:15	0	0	0.1	0.1	0.4	1.8	1249	8.1	5.02	11.6
	11:30	0	0	0.1	0.1	0.4	1.79	1242	8.1	5.02	11.2
	11:45	0	0	0.1	0.1	0.4	1.8	1249	7.6	4.71	11.5
	12:00	0	0	0.1	0.1	0.4	1.8	1249	8.1	5.02	11.5
	12:15	0	0	0.1	0.1	0.4	1.81	1256	7.6	4.71	11.4
	12:30	0	0	0.1	0.1	0.4	1.8	1249	8.1	5.02	11.2
	12:45	0	0	0.1	0.1	0.4	1.79	1242	7.6	4.71	11.4
	13:00	0	0	0.1	0.1	0.4	1.78	1235	7.6	4.71	11.4
	13:15	0	0	0.1	0.1	1.9	1.79	1242	7.6	4.71	11.2
	13:30	0	0	0.6	0.4	1.6	1.82	1263	7.6	4.71	11.5
	13:45	0	0	0.1	0.1	0.8	1.8	1249	8.1	5.02	11
	14:00	0	0	0.1	0.1	0.5	1.8	1249	7.6	4.71	11.3
	14:15	0	0	0.1	0.1	0.5	1.8	1249	7.6	4.71	11.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	14:30	0	0	0.1	0.1	0.5	1.79	1242	7.6	4.71	11.4
	14:45	0	0	0.6	0.4	0.6	1.81	1256	7.6	4.71	11.4
	15:00	0	0	0.6	0.4	0.5	1.8	1249	8.1	5.02	11.3
	15:15	0	0	0.1	0.1	4.2	1.8	1249	8.1	5.02	11.3
	15:30	0	0	0.1	0.1	4.3	1.81	1256	8.1	5.02	11.3
	15:45	0	0	0.1	0.1	4.3	1.81	1256	8.1	5.02	11.4
	16:00	0	0	0.1	0.1	4.4	1.8	1249	8.1	5.02	11.3
	16:15	0	0	0.6	0.4	4.5	1.81	1256	8.1	5.02	9.2
	16:30	0	0	0.1	0.1	4.7	1.8	1249	8.1	5.02	11.6
	16:45	0	0	0.6	0.4	4.8	1.79	1242	8.1	5.02	11.3
	17:00	0	0	0.6	0.4	4.9	1.8	1249	8.7	5.39	11.5
	17:15	0	0	0.6	0.4	5	1.8	1249	8.1	5.02	11.4
	17:30	0	0	0.6	0.4	5.1	1.79	1242	8.7	5.39	11.3
	17:45	0	0	0.6	0.4	5.2	1.81	1256	8.7	5.39	11.6
	18:00	0	0	1.2	0.8	5.2	1.81	1256	8.7	5.39	11.4
	18:15	0	0	0.6	0.4	5.2	1.81	1256	8.7	5.39	11.5
	18:30	0	0	0.1	0.1	5.3	1.82	1263	8.7	5.39	11.6
	18:45	0	0	0.6	0.4	0	1.79	1242	8.7	5.39	11.2
	19:00	0	0	0.6	0.4	1.8	1.82	1263	8.7	5.39	11.5
	19:15	0	0	0.6	0.4	2.5	1.79	1242	8.7	5.39	11.1
	19:30	0	0	0.6	0.4	3.4	1.79	1242	8.7	5.39	11.3
	19:45	0	0	0.6	0.4	4.8	1.79	1242	8.1	5.02	11.3
	20:00	0	0	0.6	0.4	4.8	1.8	1249	8.1	5.02	11.4
	20:15	0	0	4.9	3.3	2.3	0	0	8.7	5.39	3.7
	20:30	0	0	37	25	0.7	0	0	8.7	5.39	4
	20:45	1.98	1374	18.3	12	8.3	0	0	8.1	5.02	3.9
	21:00	2	1388	18.3	12	8.2	0	0	8.1	5.02	4
	21:15	1.99	1381	20.4	14	8.5	0	0	8.1	5.02	4
	21:30	2.01	1395	20.4	14	8.5	0	0	8.1	5.02	4
	21:45	2.01	1395	21	14	8.3	0	0	8.1	5.02	4.1
	22:00	1.99	1381	20.4	14	8.3	0	0	8.1	5.02	4.2
	22:15	2.01	1395	20.4	14	8.2	0	0	7.6	4.71	4.2
	22:30	1.99	1381	20.4	14	8.2	0	0	7.6	4.71	4.2
	22:45	2	1388	20.4	14	8.3	0	0	8.1	5.02	4.2
	23:00	2.02	1402	21	14	8.4	0	0	7.6	4.71	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	23:15	2	1388	20.4	14	8.2	0	0	8.1	5.02	4.2
	23:30	2.01	1395	20.4	14	8.3	0	0	7.6	4.71	4.2
	23:45	2	1388	20.4	14	8.6	0	0	7.6	4.71	4.2
2/19/2014	0:00	2	1388	20.4	14	8.3	0	0	7.6	4.71	4.2
	0:15	2	1388	20.4	14	8.5	0	0	7.6	4.71	4.2
	0:30	1.99	1381	20.4	14	8.2	0	0	8.1	5.02	4.3
	0:45	2	1388	20.4	14	8.3	0	0	8.1	5.02	4.3
	1:00	1.98	1374	21	14	8.1	0	0	8.1	5.02	4.3
	1:15	2	1388	20.4	14	8.2	0	0	7.6	4.71	4.2
	1:30	2.01	1395	20.4	14	8.2	0	0	8.1	5.02	4.2
	1:45	2.02	1402	20.4	14	8.2	0	0	8.1	5.02	4.2
	2:00	2.01	1395	20.4	14	8.3	0	0	8.1	5.02	4.2
	2:15	2.02	1402	20.4	14	8.2	0	0	8.1	5.02	4.2
	2:30	2	1388	20.4	14	8.3	0	0	8.1	5.02	4.2
	2:45	2	1388	20.4	14	8.2	0	0	8.1	5.02	4.2
	3:00	1.99	1381	20.4	14	8	0	0	8.7	5.39	4.2
	3:15	2	1388	20.4	14	8.1	0	0	8.1	5.02	4.2
	3:30	2	1388	20.4	14	8.2	0	0	8.1	5.02	4.2
	3:45	1.99	1381	20.4	14	8.1	0	0	8.1	5.02	4.2
	4:00	1.99	1381	20.4	14	8.2	0	0	8.1	5.02	4.2
	4:15	2	1388	20.4	14	8.2	0	0	8.1	5.02	4.2
	4:30	2	1388	20.4	14	8.3	0	0	8.1	5.02	4.2
	4:45	2.01	1395	20.4	14	8.2	0	0	8.1	5.02	4.2
	5:00	2.01	1395	20.4	14	8.2	0	0	8.1	5.02	4.2
	5:15	2.01	1395	21	14	8.3	0	0	8.1	5.02	4.2
	5:30	2.01	1395	20.4	14	8.3	0	0	8.1	5.02	4.2
	5:45	2	1388	21	14	8.2	0	0	8.1	5.02	4.2
	6:00	2	1388	20.4	14	8.3	0	0	8.1	5.02	4.2
	6:15	2	1388	20.4	14	12.1	0	0	8.1	5.02	4.2
	6:30	2.01	1395	20.4	14	12.2	0	0	8.1	5.02	4.2
	6:45	2	1388	20.4	14	12.1	0	0	8.1	5.02	4.2
	7:00	1.99	1381	20.4	14	12.2	0	0	8.1	5.02	4.2
	7:15	2	1388	20.4	14	12.2	0	0	8.1	5.02	4.2
	7:30	1.99	1381	20.4	14	12.4	0	0	8.1	5.02	4.2
	7:45	1.99	1381	20.4	14	12.2	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	8:00	2.02	1402	20.4	14	12.2	0	0	8.7	5.39	4.2
	8:15	1.99	1381	20.4	14	12	0	0	8.1	5.02	4.2
	8:30	2	1388	20.4	14	12.2	0	0	8.1	5.02	4.2
	8:45	2	1388	20.4	14	12.3	0	0	8.1	5.02	4.2
	9:00	2	1388	20.4	14	11.9	0	0	8.7	5.39	4.2
	9:15	2.01	1395	20.4	14	12.2	0	0	8.1	5.02	4.2
	9:30	2	1388	20.4	14	12.3	0	0	8.1	5.02	4.2
	9:45	2.02	1402	20.4	14	12.1	0	0	8.7	5.39	4.2
	10:00	2	1388	22.6	15	4	0	0	8.1	5.02	4.2
	10:15	2.01	1395	20.4	14	4	0	0	8.7	5.39	4.2
	10:30	2	1388	23.1	15	3.9	0	0	8.1	5.02	4.2
	10:45	2.01	1395	22.6	15	12	0	0	8.7	5.39	6.1
	11:00	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.3
	11:15	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	11:30	2.02	1402	22.6	15	12.4	0	0	8.7	5.39	4.1
	11:45	1.97	1367	23.1	15	12	0	0	8.7	5.39	4.1
	12:00	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.1
	12:15	2.02	1402	22.6	15	12.2	0	0	8.1	5.02	4.1
	12:30	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.1
	12:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.1
	13:00	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.1
	13:15	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.1
	13:30	1.99	1381	23.1	15	12.2	0	0	8.1	5.02	4.1
	13:45	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.1
	14:00	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.1
	14:15	1.78	1235	22.6	15	10.8	0	0	8.1	5.02	4.1
	14:30	1.8	1249	23.1	15	10.9	0	0	8.7	5.39	4.1
	14:45	0	0	22.6	15	4.4	0	0	8.1	5.02	4.1
	15:00	1.8	1249	25.3	17	11.6	0	0	8.7	5.39	4.1
	15:15	1.8	1249	24.7	17	11	0	0	8.7	5.39	4.1
	15:30	1.8	1249	25.3	17	10.9	0	0	8.7	5.39	4.2
	15:45	2	1388	23.1	15	12.2	0	0	8.7	5.39	4.2
	16:00	2.01	1395	22.6	15	11.9	0	0	8.7	5.39	4.2
	16:15	2.01	1395	22.6	15	10.5	0	0	8.1	5.02	4.2
	16:30	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	3.5

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	16:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	3.3
	17:00	2	1388	23.1	15	12.1	0	0	8.7	5.39	3.4
	17:15	1.99	1381	23.1	15	12.2	0	0	8.7	5.39	3.4
	17:30	2	1388	23.1	15	12	0	0	8.7	5.39	3.4
	17:45	2.01	1395	23.1	15	12.1	0	0	8.7	5.39	3.4
	18:00	2	1388	23.1	15	12.1	0	0	8.7	5.39	3.5
	18:15	2	1388	22.6	15	12.2	0	0	8.7	5.39	10.5
	18:30	2	1388	22.6	15	12.3	0	0	8.7	5.39	11.4
	18:45	0	0	22.6	15	3.3	0	0	8.7	5.39	11.5
	19:00	0	0	31.7	21	5.9	0	0	8.7	5.39	11.6
	19:15	0	0	29.5	20	6.2	0	0	8.7	5.39	11.6
	19:30	1.98	1374	22.6	15	12.5	0	0	8.7	5.39	11.6
	19:45	1.99	1381	23.1	15	12.3	0	0	8.7	5.39	9.4
	20:00	2	1388	22.6	15	12.1	0	0	8.7	5.39	9
	20:15	2	1388	23.1	15	12	0	0	8.7	5.39	9
	20:30	2	1388	22.6	15	11.9	0	0	8.7	5.39	8.9
	20:45	1.99	1381	23.1	15	11.6	0	0	8.7	5.39	8.9
	21:00	2	1388	23.1	15	11.8	0	0	8.7	5.39	8.9
	21:15	2.01	1395	22.6	15	11.6	0	0	8.7	5.39	8.9
	21:30	2	1388	23.1	15	11.5	0	0	8.7	5.39	8.9
	21:45	2.01	1395	23.1	15	11.4	0	0	8.7	5.39	9
	22:00	2.02	1402	23.1	15	11.1	0	0	8.7	5.39	9.1
	22:15	1.98	1374	22.6	15	10.9	0	0	8.7	5.39	9
	22:30	1.98	1374	23.1	15	11	0	0	9.2	5.7	9.2
	22:45	2	1388	22.6	15	10.6	0	0	9.2	5.7	9.1
	23:00	1.99	1381	23.1	15	10.4	0	0	9.2	5.7	9.2
	23:15	1.99	1381	22.6	15	10.6	0	0	8.7	5.39	9.3
	23:30	1.99	1381	22.6	15	10.4	0	0	9.2	5.7	9.3
	23:45	1.99	1381	23.1	15	10	0	0	9.2	5.7	3.1
2/20/2014	0:00	1.99	1381	23.1	15	10	0	0	9.2	5.7	3.5
	0:15	2.01	1395	22.6	15	9.9	0	0	9.2	5.7	3.6
	0:30	2	1388	23.1	15	9.7	0	0	9.2	5.7	3.8
	0:45	1.99	1381	23.1	15	9.2	0	0	9.2	5.7	3.8
	1:00	2	1388	22.6	15	9.3	0	0	9.2	5.7	3.9
	1:15	2	1388	22.6	15	7.6	0	0	8.7	5.39	3.9

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	1:30	2.01	1395	22.6	15	12.6	0	0	9.2	5.7	4
	1:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	4
	2:00	2.01	1395	22.6	15	12.2	0	0	9.2	5.7	4
	2:15	2	1388	22.6	15	12.4	0	0	8.7	5.39	4
	2:30	2	1388	22.6	15	12.1	0	0	8.7	5.39	4
	2:45	2.02	1402	22.6	15	12.6	0	0	9.2	5.7	4
	3:00	2	1388	22.6	15	12.2	0	0	8.7	5.39	4
	3:15	2.01	1395	23.1	15	12.1	0	0	9.2	5.7	4
	3:30	2.02	1402	23.1	15	12.3	0	0	8.7	5.39	4
	3:45	1.99	1381	22.6	15	12	0	0	8.7	5.39	4
	4:00	1.99	1381	23.1	15	12.2	0	0	8.7	5.39	4
	4:15	2	1388	23.1	15	12.2	0	0	8.7	5.39	4
	4:30	1.99	1381	22.6	15	12.1	0	0	9.2	5.7	4
	4:45	1.98	1374	22.6	15	12.1	0	0	9.2	5.7	4
	5:00	1.99	1381	22.6	15	12.1	0	0	9.2	5.7	4
	5:15	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4
	5:30	1.98	1374	22.6	15	12.1	0	0	8.7	5.39	4
	5:45	2.01	1395	22.6	15	12.4	0	0	8.7	5.39	4
	6:00	1.99	1381	22.6	15	12	0	0	8.7	5.39	4
	6:15	2	1388	22.6	15	12	0	0	8.7	5.39	4
	6:30	2.01	1395	23.1	15	12.2	0	0	8.7	5.39	4
	6:45	2	1388	22.6	15	12.4	0	0	8.7	5.39	4
	7:00	2	1388	22.6	15	12.4	0	0	8.7	5.39	4
	7:15	2.01	1395	23.1	15	12.3	0	0	8.7	5.39	4
	7:30	2	1388	23.1	15	12.1	0	0	8.7	5.39	4
	7:45	2	1388	22.6	15	12.1	0	0	8.1	5.02	4
	8:00	1.99	1381	23.1	15	12.3	0	0	8.7	5.39	4
	8:15	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4
	8:30	2	1388	22.6	15	12	0	0	8.1	5.02	4
	8:45	1.98	1374	22.6	15	3.9	0	0	8.7	5.39	4
	9:00	2	1388	20.4	14	4.1	0	0	8.7	5.39	4
	9:15	2.01	1395	23.1	15	12.3	0	0	8.7	5.39	4
	9:30	2.02	1402	23.1	15	12.1	0	0	8.7	5.39	4
	9:45	0	0	56.8	38	9	0	0	8.7	5.39	4
	10:00	0	0	20.4	14	6	0	0	8.7	5.39	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	10:15	2	1388	22.6	15	12.2	0	0	8.1	5.02	4
	10:30	2	1388	23.1	15	12.1	0	0	8.7	5.39	4
	10:45	1.99	1381	22.6	15	11.9	0	0	8.7	5.39	4
	11:00	1.99	1381	22.6	15	11.7	0	0	8.7	5.39	4
	11:15	2.01	1395	23.1	15	11.8	0	0	8.7	5.39	4
	11:30	1.99	1381	23.1	15	11.7	0	0	8.1	5.02	4
	11:45	2	1388	23.1	15	11.7	0	0	8.7	5.39	4
	12:00	2	1388	22.6	15	11.7	0	0	8.7	5.39	4
	12:15	2	1388	23.1	15	11	0	0	8.7	5.39	4
	12:30	2	1388	23.1	15	11.1	0	0	8.7	5.39	4
	12:45	2	1388	22.6	15	11.1	0	0	8.7	5.39	4
	13:00	1.99	1381	23.1	15	10.9	0	0	8.7	5.39	4
	13:15	1.98	1374	22.6	15	10.3	0	0	8.7	5.39	4
	13:30	1.98	1374	23.1	15	10.9	0	0	8.7	5.39	4
	13:45	2	1388	23.1	15	10.6	0	0	8.7	5.39	4
	14:00	2	1388	22.6	15	10.1	0	0	9.2	5.7	4
	14:15	2	1388	23.1	15	10	0	0	8.1	5.02	4.1
	14:30	1.99	1381	23.1	15	10	0	0	8.7	5.39	4.1
	14:45	1.98	1374	22.6	15	9.8	0	0	8.7	5.39	4.1
	15:00	1.72	1194	25.3	17	8.1	0	0	8.7	5.39	4.1
	15:15	1.69	1173	25.3	17	7.8	0	0	8.7	5.39	4.1
	15:30	1.69	1173	25.3	17	7.8	0	0	8.7	5.39	4.1
	15:45	1.7	1180	25.3	17	7.6	0	0	8.7	5.39	4.1
	16:00	2	1388	23.1	15	9.3	0	0	8.7	5.39	4.1
	16:15	1.98	1374	22.6	15	9.1	0	0	8.7	5.39	4.1
	16:30	1.99	1381	22.6	15	9.4	0	0	8.7	5.39	6.1
	16:45	2	1388	23.1	15	12.2	0	0	8.7	5.39	3.9
	17:00	2	1388	23.1	15	12.1	0	0	8.7	5.39	4.1
	17:15	2.01	1395	23.1	15	11.9	0	0	8.7	5.39	4.2
	17:30	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.2
	17:45	2	1388	23.1	15	12.2	0	0	8.7	5.39	4.2
	18:00	2	1388	22.6	15	12	0	0	8.7	5.39	4.2
	18:15	2	1388	23.1	15	12	0	0	8.7	5.39	9.8
	18:30	1.99	1381	23.1	15	12.1	0	0	8.7	5.39	9.6
	18:45	2	1388	23.1	15	12.2	0	0	8.7	5.39	9.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	19:00	2	1388	22.6	15	12.4	0	0	8.7	5.39	9
	19:15	2.01	1395	23.1	15	12.2	0	0	9.2	5.7	9
	19:30	2	1388	23.1	15	12.2	0	0	9.2	5.7	9
	19:45	2	1388	22.6	15	12.2	0	0	9.2	5.7	9
	20:00	1.99	1381	23.1	15	12.1	0	0	9.2	5.7	9
	20:15	2.01	1395	23.1	15	12.1	0	0	9.2	5.7	9.1
	20:30	1.99	1381	22.6	15	12	0	0	9.2	5.7	9.1
	20:45	1.99	1381	23.1	15	12.1	0	0	9.2	5.7	9.1
	21:00	2	1388	23.1	15	11.9	0	0	9.2	5.7	9.1
	21:15	2.01	1395	22.6	15	12.1	0	0	9.2	5.7	9.1
	21:30	2	1388	23.1	15	12.2	0	0	9.2	5.7	9.1
	21:45	1.98	1374	23.1	15	12.1	0	0	9.2	5.7	9.1
	22:00	2	1388	23.1	15	12.2	0	0	9.2	5.7	9.1
	22:15	2.01	1395	23.1	15	12.1	0	0	9.2	5.7	9.1
	22:30	2.01	1395	22.6	15	12.3	0	0	9.2	5.7	9.1
	22:45	2.01	1395	23.1	15	12.3	0	0	9.2	5.7	9.1
	23:00	2	1388	23.1	15	12.2	0	0	9.2	5.7	9.1
	23:15	2.01	1395	23.1	15	12.2	0	0	9.2	5.7	9.2
	23:30	2	1388	23.1	15	12	0	0	9.2	5.7	9.1
	23:45	2.01	1395	22.6	15	12.4	0	0	9.2	5.7	9.1
2/21/2014	0:00	2	1388	22.6	15	12	0	0	9.2	5.7	4.3
	0:15	2	1388	22.6	15	12.1	0	0	9.2	5.7	4.2
	0:30	1.99	1381	22.6	15	12	0	0	9.2	5.7	4.2
	0:45	1.99	1381	23.1	15	12.2	0	0	9.2	5.7	4.2
	1:00	2.02	1402	23.1	15	12.2	0	0	9.2	5.7	4.1
	1:15	2.01	1395	22.6	15	12.1	0	0	9.2	5.7	4.1
	1:30	1.99	1381	23.1	15	12	0	0	9.2	5.7	4.1
	1:45	2	1388	23.1	15	11.8	0	0	9.2	5.7	4.1
	2:00	2	1388	23.1	15	12	0	0	9.2	5.7	4.1
	2:15	2.01	1395	22.6	15	12.1	0	0	8.7	5.39	4.1
	2:30	1.99	1381	23.1	15	11.9	0	0	9.2	5.7	4.1
	2:45	2.01	1395	23.1	15	12.4	0	0	8.7	5.39	4.1
	3:00	2	1388	22.6	15	12.2	0	0	9.2	5.7	4.1
	3:15	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.1
	3:30	2.01	1395	23.1	15	12.2	0	0	8.7	5.39	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	3:45	1.99	1381	22.6	15	12	0	0	8.7	5.39	4.1
	4:00	2	1388	22.6	15	12.3	0	0	9.2	5.7	4.1
	4:15	2	1388	23.1	15	12	0	0	8.7	5.39	4.1
	4:30	2.01	1395	22.6	15	12.3	0	0	8.7	5.39	4.1
	4:45	2	1388	23.1	15	12.3	0	0	9.2	5.7	4.1
	5:00	2	1388	23.1	15	12.1	0	0	8.7	5.39	4.1
	5:15	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.1
	5:30	2.01	1395	23.1	15	12.3	0	0	8.1	5.02	4.1
	5:45	1.99	1381	22.6	15	11.9	0	0	8.7	5.39	4.1
	6:00	2.02	1402	22.6	15	12	0	0	8.7	5.39	4.1
	6:15	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.1
	6:30	2.01	1395	23.1	15	11.9	0	0	8.7	5.39	4.1
	6:45	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.1
	7:00	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.1
	7:15	2	1388	23.1	15	12.3	0	0	8.7	5.39	4.1
	7:30	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.1
	7:45	1.99	1381	22.6	15	12.2	0	0	8.7	5.39	4.1
	8:00	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.1
	8:15	1.99	1381	22.6	15	12.2	0	0	8.7	5.39	4.1
	8:30	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.1
	8:45	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.1
	9:00	2.01	1395	22.6	15	4	0	0	8.7	5.39	4.1
	9:15	2	1388	22.6	15	12	0	0	8.7	5.39	4.1
	9:30	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.1
	9:45	2.01	1395	22.6	15	12.3	0	0	8.7	5.39	4.1
	10:00	0	0	38.6	26	7.5	0	0	8.7	5.39	4.1
	10:15	0	0	22.6	15	5.8	0	0	8.7	5.39	4.1
	10:30	1.5	1041	23.1	15	8.2	0	0	8.7	5.39	4.2
	10:45	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	11:00	2	1388	22.6	15	11.9	0	0	8.1	5.02	4.2
	11:15	2	1388	23.1	15	11.9	0	0	8.7	5.39	4.2
	11:30	1.99	1381	22.6	15	11.8	0	0	8.1	5.02	4.2
	11:45	2	1388	23.1	15	11.6	0	0	8.7	5.39	4.2
	12:00	2	1388	23.1	15	11.9	0	0	8.7	5.39	4.2
	12:15	2	1388	22.6	15	11.6	0	0	8.7	5.39	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	12:30	1.98	1374	23.1	15	11.4	0	0	8.7	5.39	4.2
	12:45	2	1388	22.6	15	11.1	0	0	8.7	5.39	4.2
	13:00	2	1388	22.6	15	11.2	0	0	8.7	5.39	4.2
	13:15	2	1388	22.6	15	10.9	0	0	9.2	5.7	4.2
	13:30	2	1388	22.6	15	10.8	0	0	8.7	5.39	4.2
	13:45	2	1388	22.6	15	10.3	0	0	8.7	5.39	4.2
	14:00	2	1388	22.6	15	10.4	0	0	8.1	5.02	4.2
	14:15	2.01	1395	22.6	15	10	0	0	8.1	5.02	4.2
	14:30	1.53	1062	40.8	27	8.3	0	0	8.1	5.02	4.2
	14:45	1.99	1381	22.6	15	10.5	0	0	8.1	5.02	4.2
	15:00	1.99	1381	22.6	15	10.5	0	0	8.1	5.02	4.2
	15:15	1.51	1048	29.5	20	7.1	0	0	8.1	5.02	4.2
	15:30	1.51	1048	29.5	20	7	0	0	8.1	5.02	4.2
	15:45	1.99	1381	22.6	15	9.9	0	0	8.1	5.02	4.2
	16:00	1.98	1374	22.6	15	9.7	0	0	7.6	4.71	4.2
	16:15	2	1388	22.6	15	9.8	0	0	8.1	5.02	4.2
	16:30	2	1388	22.6	15	10.5	0	0	8.1	5.02	4
	16:45	2	1388	22.6	15	12.4	0	0	7.6	4.71	4.7
	17:00	1.99	1381	22.6	15	12.4	0	0	7.6	4.71	6.1
	17:15	2.01	1395	22.6	15	12.3	0	0	7.6	4.71	5.7
	17:30	2.01	1395	22.6	15	12.2	0	0	7.6	4.71	4.6
	17:45	1.99	1381	22.6	15	12.4	0	0	8.1	5.02	9.4
	18:00	2	1388	22.6	15	12	0	0	7.6	4.71	9.9
	18:15	2.01	1395	23.1	15	12.1	0	0	8.1	5.02	9.9
	18:30	2.01	1395	22.6	15	12.4	0	0	7.6	4.71	10
	18:45	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.6
	19:00	2.02	1402	22.6	15	12.3	0	0	7.6	4.71	4.7
	19:15	2	1388	22.6	15	12.3	0	0	7.6	4.71	4.6
	19:30	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.6
	19:45	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.5
	20:00	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.5
	20:15	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.5
	20:30	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.5
	20:45	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	21:00	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	21:15	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	21:30	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	21:45	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	22:00	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	22:15	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	22:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	22:45	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	23:00	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	23:15	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	23:30	1.99	1381	23.1	15	12.3	0	0	8.1	5.02	4.2
	23:45	1.99	1381	22.6	15	12.2	0	0	8.7	5.39	4.2
2/22/2014	0:00	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	4.2
	0:15	2.01	1395	22.6	15	11.9	0	0	8.7	5.39	4.2
	0:30	1.99	1381	22.6	15	12.3	0	0	8.1	5.02	4.2
	0:45	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	1:00	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	1:15	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	1:30	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.2
	1:45	2.01	1395	22.6	15	12.4	0	0	8.7	5.39	4.2
	2:00	2.01	1395	22.6	15	12.5	0	0	8.7	5.39	4.2
	2:15	2.01	1395	22.6	15	12.3	0	0	8.7	5.39	4.2
	2:30	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	2:45	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	4.2
	3:00	2.01	1395	23.1	15	12.1	0	0	8.7	5.39	4.2
	3:15	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	3:30	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	3:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.2
	4:00	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	4:15	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	4:30	1.98	1374	22.6	15	12	0	0	8.1	5.02	4.2
	4:45	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.2
	5:00	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	5:15	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	5:30	2.02	1402	22.6	15	12.3	0	0	8.7	5.39	4.2
	5:45	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	6:00	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	6:15	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	6:30	2.02	1402	22.6	15	12	0	0	8.1	5.02	4.2
	6:45	2.01	1395	22.6	15	12.1	0	0	8.1	5.02	4.2
	7:00	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	7:15	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	7:30	1.99	1381	23.1	15	12	0	0	8.1	5.02	4.2
	7:45	1.99	1381	23.1	15	12.3	0	0	8.1	5.02	4.2
	8:00	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	8:15	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	4.2
	8:30	2.01	1395	22.6	15	12	0	0	8.1	5.02	4.2
	8:45	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	9:00	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	9:15	2	1388	23.1	15	12.1	0	0	8.1	5.02	4.2
	9:30	2.01	1395	22.6	15	12	0	0	8.7	5.39	4.2
	9:45	2.02	1402	22.6	15	12	0	0	8.7	5.39	4.2
	10:00	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	10:15	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	10:30	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	10:45	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	11:00	2	1388	22.6	15	12.5	0	0	8.1	5.02	4.2
	11:15	1.98	1374	22.6	15	12.1	0	0	8.1	5.02	4.2
	11:30	2.01	1395	22.6	15	11.9	0	0	8.7	5.39	4.2
	11:45	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	12:00	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	12:15	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	12:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	12:45	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	13:00	1.99	1381	22.6	15	12.3	0	0	8.1	5.02	4.2
	13:15	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	13:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	13:45	2	1388	22.6	15	12	0	0	8.7	5.39	4.2
	14:00	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	14:15	2	1388	22.6	15	12.5	0	0	8.7	5.39	4.2
	14:30	1.99	1381	22.6	15	12.2	0	0	8.7	5.39	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	14:45	1.99	1381	22.6	15	12.4	0	0	8.1	5.02	4.2
	15:00	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	15:15	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	15:30	2.02	1402	22.6	15	12.3	0	0	8.1	5.02	4.2
	15:45	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	16:00	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	16:15	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.2
	16:30	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	16:45	2.01	1395	22.6	15	12.4	0	0	8.7	5.39	4.2
	17:00	2	1388	22.6	15	7.4	0	0	8.7	5.39	4.2
	17:15	2.01	1395	22.6	15	12.1	0	0	8.7	5.39	4.2
	17:30	1.99	1381	22.6	15	12	0	0	8.7	5.39	4.2
	17:45	2.01	1395	23.1	15	12.2	0	0	8.7	5.39	4.2
	18:00	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.2
	18:15	2.01	1395	22.6	15	12.3	0	0	8.7	5.39	4.2
	18:30	2.02	1402	22.6	15	12.2	0	0	8.7	5.39	4.2
	18:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.2
	19:00	2.02	1402	22.6	15	12.1	0	0	8.7	5.39	4.2
	19:15	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	19:30	1.99	1381	22.6	15	12.3	0	0	8.7	5.39	4.2
	19:45	2.01	1395	22.6	15	12.2	0	0	8.7	5.39	4.2
	20:00	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	20:15	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	20:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	20:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.2
	21:00	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	21:15	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	21:30	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	21:45	1.98	1374	22.6	15	12.3	0	0	8.1	5.02	4.2
	22:00	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	22:15	2.01	1395	22.6	15	12.1	0	0	8.1	5.02	4.2
	22:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	22:45	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	4.2
	23:00	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	23:15	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	23:30	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	23:45	2.01	1395	22.6	15	12.1	0	0	8.7	5.39	4.2
2/23/2014	0:00	1.99	1381	23.1	15	11.9	0	0	8.7	5.39	4.2
	0:15	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	0:30	1.99	1381	23.1	15	11.9	0	0	8.7	5.39	4.2
	0:45	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	1:00	1.98	1374	22.6	15	12	0	0	8.7	5.39	4.2
	1:15	2.01	1395	23.1	15	12.2	0	0	8.1	5.02	4.2
	1:30	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.2
	1:45	2	1388	22.6	15	12.4	0	0	8.7	5.39	4.2
	2:00	2	1388	22.6	15	11.9	0	0	8.7	5.39	4.2
	2:15	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.2
	2:30	1.99	1381	23.1	15	11.9	0	0	8.7	5.39	4.2
	2:45	2	1388	22.6	15	12.2	0	0	8.7	5.39	4.2
	3:00	2.02	1402	22.6	15	12.1	0	0	8.7	5.39	4.2
	3:15	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	3:30	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	3:45	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	4:00	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	4:15	1.98	1374	22.6	15	12.2	0	0	8.7	5.39	4.2
	4:30	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	4:45	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	5:00	2.01	1395	22.6	15	12.4	0	0	8.7	5.39	4.2
	5:15	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	5:30	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	5:45	2.01	1395	23.1	15	12.4	0	0	8.7	5.39	4.2
	6:00	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	6:15	2.01	1395	22.6	15	12.4	0	0	8.7	5.39	4.2
	6:30	2.01	1395	23.1	15	12.1	0	0	8.1	5.02	4.2
	6:45	2.01	1395	22.6	15	12.1	0	0	8.1	5.02	4.2
	7:00	1.99	1381	22.6	15	12.3	0	0	8.7	5.39	4.2
	7:15	2	1388	22.6	15	12.5	0	0	8.7	5.39	4.2
	7:30	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	7:45	2.01	1395	22.6	15	12.4	0	0	8.7	5.39	4.2
	8:00	2	1388	22.6	15	12	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	8:15	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	8:30	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	8:45	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	9:00	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	9:15	2	1388	23.1	15	12.3	0	0	8.7	5.39	4.2
	9:30	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	9:45	2	1388	22.6	15	12.2	0	0	8.1	5.02	6.4
	10:00	0	0	52	35	4.9	0	0	8.1	5.02	4.2
	10:15	1.73	1201	20.4	14	10.5	0	0	8.1	5.02	3.8
	10:30	1.99	1381	22.6	15	12.3	0	0	8.1	5.02	3.9
	10:45	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4
	11:00	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.1
	11:15	2.01	1395	22.6	15	12.1	0	0	8.1	5.02	4.1
	11:30	2	1388	22.6	15	11.9	0	0	8.1	5.02	4.1
	11:45	1.99	1381	22.6	15	11.5	0	0	8.1	5.02	4.1
	12:00	1.99	1381	22.6	15	11.6	0	0	8.7	5.39	4.2
	12:15	1.99	1381	22.6	15	11.4	0	0	8.7	5.39	4.2
	12:30	2	1388	22.6	15	11.5	0	0	8.1	5.02	4.2
	12:45	1.99	1381	22.6	15	11.3	0	0	8.7	5.39	4.2
	13:00	2	1388	22.6	15	11.5	0	0	8.1	5.02	4.2
	13:15	2.02	1402	22.6	15	11.1	0	0	8.1	5.02	4.2
	13:30	2	1388	23.1	15	10.8	0	0	8.1	5.02	4.2
	13:45	2.01	1395	22.6	15	10.9	0	0	8.7	5.39	4.2
	14:00	1.99	1381	22.6	15	10.4	0	0	8.1	5.02	4.2
	14:15	1.99	1381	22.6	15	10.4	0	0	8.7	5.39	4.2
	14:30	2.01	1395	23.1	15	10.3	0	0	8.7	5.39	4.2
	14:45	1.99	1381	22.6	15	10.1	0	0	8.7	5.39	4.2
	15:00	2.01	1395	22.6	15	10.1	0	0	8.1	5.02	4.2
	15:15	2	1388	22.6	15	9.9	0	0	8.1	5.02	4.2
	15:30	2	1388	22.6	15	9.7	0	0	8.7	5.39	4.2
	15:45	2.01	1395	22.6	15	9.7	0	0	8.1	5.02	4.2
	16:00	2	1388	22.6	15	9.6	0	0	8.1	5.02	4.2
	16:15	1.99	1381	22.6	15	9.4	0	0	8.1	5.02	4.2
	16:30	1.99	1381	22.6	15	9.7	0	0	8.7	5.39	4.2
	16:45	1.98	1374	23.1	15	9.8	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	17:00	1.98	1374	22.6	15	7.8	0	0	8.7	5.39	4.2
	17:15	2	1388	22.6	15	12.1	0	0	8.7	5.39	4.2
	17:30	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	17:45	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	18:00	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	18:15	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	18:30	2.01	1395	23.1	15	12.1	0	0	8.7	5.39	4.2
	18:45	2	1388	22.6	15	12.4	0	0	8.7	5.39	4.2
	19:00	1.99	1381	22.6	15	12.3	0	0	8.1	5.02	4.2
	19:15	2	1388	22.6	15	12.4	0	0	8.7	5.39	4.2
	19:30	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	19:45	2.01	1395	23.1	15	12.3	0	0	8.7	5.39	4.2
	20:00	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	20:15	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	20:30	2	1388	23.1	15	12.4	0	0	8.7	5.39	4.2
	20:45	1.99	1381	22.6	15	12.2	0	0	8.7	5.39	4.2
	21:00	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	21:15	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	21:30	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	21:45	2	1388	23.1	15	12.4	0	0	8.7	5.39	4.2
	22:00	2	1388	22.6	15	12.3	0	0	8.7	5.39	4.2
	22:15	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	22:30	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	22:45	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	23:00	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	23:15	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	4.2
	23:30	1.98	1374	22.6	15	11.9	0	0	8.1	5.02	4.2
	23:45	1.99	1381	22.6	15	11.9	0	0	8.1	5.02	4.2
2/24/2014	0:00	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	0:15	1.99	1381	22.6	15	12.1	0	0	8.7	5.39	4.2
	0:30	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	0:45	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	1:00	2.01	1395	22.6	15	6.5	0	0	8.1	5.02	4.2
	1:15	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	1:30	2	1388	22.6	15	12	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	1:45	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	2:00	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	2:15	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	2:30	1.99	1381	23.1	15	12	0	0	8.1	5.02	4.2
	2:45	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	3:00	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	3:15	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	3:30	2.01	1395	22.6	15	12.3	0	0	7.6	4.71	4.2
	3:45	1.99	1381	22.6	15	11.8	0	0	8.1	5.02	4.2
	4:00	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	4:15	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	4:30	1.99	1381	22.6	15	11.9	0	0	7.6	4.71	4.2
	4:45	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	5:00	2	1388	22	15	12.1	0	0	7.6	4.71	4.2
	5:15	2	1388	22.6	15	12.4	0	0	7.6	4.71	4.2
	5:30	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	5:45	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	6:00	2	1388	22.6	15	12.2	0	0	7.6	4.71	4.2
	6:15	1.99	1381	22.6	15	11.8	0	0	8.1	5.02	4.2
	6:30	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	6:45	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	7:00	2.01	1395	22.6	15	12.5	0	0	8.1	5.02	4.2
	7:15	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.2
	7:30	2.02	1402	22.6	15	12.2	0	0	7.6	4.71	4.2
	7:45	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	8:00	2.01	1395	22.6	15	12.1	0	0	8.1	5.02	4.2
	8:15	2	1388	22	15	12.2	0	0	8.1	5.02	4.2
	8:30	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	8:45	2.02	1402	22.6	15	12.5	0	0	7.6	4.71	4.2
	9:00	1.99	1381	22.6	15	4	0	0	8.1	5.02	4.2
	9:15	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	9:30	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.2
	9:45	2	1388	22.6	15	12.5	0	0	8.1	5.02	4.2
	10:00	1.99	1381	22.6	15	11.9	0.2	139	8.1	5.02	5.7
	10:15	0	0	47.2	32	7.3	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	10:30	0	0	19.9	13	4.9	0	0	7.6	4.71	3.9
	10:45	2	1388	22.6	15	12.1	0	0	7.6	4.71	3.9
	11:00	2.01	1395	22.6	15	12.4	0	0	7.6	4.71	4
	11:15	2	1388	23.1	15	12.2	0	0	8.1	5.02	4.1
	11:30	2.02	1402	22.6	15	12.2	0	0	7.6	4.71	4.1
	11:45	1.99	1381	22.6	15	11.6	0	0	7.6	4.71	4.1
	12:00	2.01	1395	22.6	15	12	0	0	7.6	4.71	4.1
	12:15	2.01	1395	22.6	15	11.8	0	0	8.1	5.02	4.1
	12:30	1.98	1374	22.6	15	11.8	0	0	8.1	5.02	4.1
	12:45	1.99	1381	22	15	11.6	0	0	7.6	4.71	4.1
	13:00	2	1388	22.6	15	11.2	0	0	7.6	4.71	4.1
	13:15	2	1388	22.6	15	11.4	0	0	7.6	4.71	4.1
	13:30	2	1388	22.6	15	10.8	0	0	8.1	5.02	4.1
	13:45	2	1388	22.6	15	11.1	0	0	7.6	4.71	4.1
	14:00	2	1388	22.6	15	10.8	0	0	8.1	5.02	4.1
	14:15	2	1388	22.6	15	10.9	0	0	8.1	5.02	4.1
	14:30	2.01	1395	22	15	10.7	0	0	7.6	4.71	4.1
	14:45	2	1388	22.6	15	10.5	0	0	8.1	5.02	4.1
	15:00	1.99	1381	22.6	15	10.3	0	0	8.1	5.02	4.1
	15:15	2.02	1402	22	15	10.5	0	0	7.6	4.71	4.1
	15:30	2.01	1395	22.6	15	10.4	0	0	8.1	5.02	4.1
	15:45	2	1388	22.6	15	9.9	0	0	7.6	4.71	4.1
	16:00	2	1388	22.6	15	9.8	0	0	7.6	4.71	4.1
	16:15	1.98	1374	22.6	15	9.8	0	0	7.6	4.71	4.2
	16:30	2	1388	22.6	15	12.2	0	0	8.1	5.02	4.1
	16:45	2	1388	22.6	15	12	0	0	8.1	5.02	4.1
	17:00	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.1
	17:15	2.01	1395	22.6	15	12.3	0	0	7.6	4.71	4.1
	17:30	2	1388	22.6	15	12.4	0	0	8.1	5.02	4.1
	17:45	2.02	1402	22.6	15	12.3	0	0	7.6	4.71	4.1
	18:00	2.02	1402	22.6	15	12.6	0	0	8.1	5.02	4.1
	18:15	2.01	1395	22.6	15	12.2	0	0	7.6	4.71	4.2
	18:30	2	1388	22.6	15	12.4	0	0	7.6	4.71	4.2
	18:45	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.1
	19:00	1.99	1381	22.6	15	12.2	0	0	7.6	4.71	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	19:15	1.99	1381	22.6	15	11.9	0	0	8.1	5.02	4.2
	19:30	2	1388	22.6	15	12.1	0	0	8.1	5.02	4.2
	19:45	2	1388	22.6	15	12	0	0	7.6	4.71	4.2
	20:00	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	20:15	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	20:30	1.98	1374	22.6	15	12.3	0	0	8.1	5.02	4.2
	20:45	1.99	1381	22.6	15	12.2	0	0	7.6	4.71	4.2
	21:00	2.01	1395	22.6	15	12.4	0	0	8.1	5.02	4.2
	21:15	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	21:30	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
	21:45	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	22:00	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	22:15	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	22:30	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	22:45	2.01	1395	22.6	15	12	0	0	8.1	5.02	4.2
	23:00	2	1388	22.6	15	12	0	0	8.1	5.02	4.2
	23:15	2.01	1395	22.6	15	12.5	0	0	8.1	5.02	4.2
	23:30	1.99	1381	22.6	15	12.4	0	0	8.1	5.02	4.2
	23:45	1.99	1381	22.6	15	12	0	0	8.1	5.02	4.2
2/25/2014	0:00	2.01	1395	22.6	15	12.1	0	0	7.6	4.71	4.2
	0:15	2	1388	22.6	15	12.2	0	0	7.6	4.71	4.2
	0:30	1.99	1381	22	15	12.2	0	0	8.1	5.02	4.2
	0:45	2.01	1395	22.6	15	12.4	0	0	7.6	4.71	4.2
	1:00	1.99	1381	22	15	12.2	0	0	8.1	5.02	4.2
	1:15	2	1388	22.6	15	6.4	0	0	8.1	5.02	4.2
	1:30	2	1388	22.6	15	6.6	0	0	8.1	5.02	4.2
	1:45	2	1388	22.6	15	12.2	0	0	7.6	4.71	4.2
	2:00	2.01	1395	22.6	15	12.3	0	0	8.1	5.02	4.2
	2:15	1.99	1381	22.6	15	12.3	0	0	7.6	4.71	4.2
	2:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	2:45	2	1388	22.6	15	12.1	0	0	7.6	4.71	4.2
	3:00	2	1388	22.6	15	12.5	0	0	7.6	4.71	4.2
	3:15	2.01	1395	22	15	12.2	0	0	7.6	4.71	4.2
	3:30	2	1388	22.6	15	12.3	0	0	7.6	4.71	4.2
	3:45	1.99	1381	22.6	15	12.1	0	0	8.1	5.02	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	4:00	1.99	1381	22.6	15	12.3	0	0	8.1	5.02	4.2
	4:15	2.01	1395	22.6	15	12.2	0	0	8.1	5.02	4.2
	4:30	2	1388	22.6	15	12.3	0	0	8.1	5.02	4.2
	4:45	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	5:00	1.99	1381	22.6	15	12.2	0	0	8.1	5.02	4.2
	5:15	2	1388	22.6	15	12.2	0	0	7.6	4.71	4.2
	5:30	2	1388	22.6	15	12	0	0	7.6	4.71	4.2
	5:45	0	0	45.1	30	5.3	0	0	7.6	4.71	4.3
	6:00	1.92	1332	22.6	15	12	0	0	7.6	4.71	3.8
	6:15	2.01	1395	22.6	15	12.7	0	0	7.6	4.71	4
	6:30	2	1388	22.6	15	12.4	0	0	8.1	5.02	4
	6:45	2.01	1395	22.6	15	12.4	0	0	7.6	4.71	4.1
	7:00	2	1388	22.6	15	12.1	0	0	7.6	4.71	4.1
	7:15	2	1388	22.6	15	11.9	0	0	7.6	4.71	4.1
	7:30	2	1388	22	15	11.9	0	0	7.6	4.71	4.2
	7:45	2	1388	22	15	11.9	0	0	7.6	4.71	4.2
	8:00	1.99	1381	22	15	11.9	0	0	8.1	5.02	4.2
	8:15	1.98	1374	22.6	15	11.5	0	0	7.6	4.71	4.2
	8:30	2	1388	22.6	15	11.6	0	0	7.6	4.71	4.2
	8:45	2	1388	22.6	15	11.5	0	0	7.6	4.71	4.2
	9:00	2.01	1395	22.6	15	11.3	0	0	7.6	4.71	4.2
	9:15	1.99	1381	22.6	15	11.2	0	0	8.1	5.02	4.2
	9:30	2.02	1402	22.6	15	4.1	0	0	8.1	5.02	4.2
	9:45	1.99	1381	20.4	14	12.4	0	0	7.6	4.71	4.2
	10:00	2	1388	22.6	15	12.5	0	0	7.6	4.71	4.2
	10:15	2.01	1395	22.6	15	12.4	0	0	7.6	4.71	4.2
	10:30	2	1388	22.6	15	12.1	0.2	139	8.1	5.02	5.6
	10:45	0	0	42.4	28	6.4	0	0	7.6	4.71	4.7
	11:00	0	0	22.6	15	4.4	0	0	7.6	4.71	3.9
	11:15	1.99	1381	22.6	15	12.4	0	0	8.7	5.39	4
	11:30	1.99	1381	22.6	15	12.4	0	0	7.6	4.71	4.1
	11:45	1.99	1381	22.6	15	12.4	0	0	7.6	4.71	4.1
	12:00	1.99	1381	22	15	12	0	0	7.6	4.71	4.1
	12:15	2	1388	22	15	11.7	0	0	7.6	4.71	4.1
	12:30	1.99	1381	22.6	15	11.9	0	0	7.6	4.71	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	12:45	2.01	1395	22.6	15	11.9	0	0	7.6	4.71	4.1
	13:00	1.98	1374	22.6	15	11.7	0	0	7.6	4.71	4.1
	13:15	2	1388	22.6	15	11.5	0	0	7.6	4.71	4.1
	13:30	1.99	1381	22	15	11.6	0	0	7.6	4.71	4.1
	13:45	2.02	1402	22.6	15	11.4	0	0	7.6	4.71	4.1
	14:00	2.01	1395	22.6	15	11.5	0	0	7.6	4.71	4.1
	14:15	2	1388	22.6	15	11.3	0	0	7.6	4.71	4.1
	14:30	2.01	1395	22.6	15	11.1	0	0	7.6	4.71	4.1
	14:45	2.01	1395	22	15	11	0	0	7.6	4.71	4.1
	15:00	2.01	1395	20.4	14	11	0	0	7.6	4.71	4.1
	15:15	2	1388	19.9	13	10.6	0	0	7.6	4.71	4.1
	15:30	2	1388	19.9	13	10.1	0	0	7.6	4.71	4.1
	15:45	2	1388	20.4	14	10.2	0	0	7.6	4.71	4.1
	16:00	2	1388	19.9	13	10	0	0	7.6	4.71	4.1
	16:15	2.01	1395	20.4	14	11.6	0	0	7.1	4.4	4.1
	16:30	2.01	1395	20.4	14	12.5	0	0	7.6	4.71	4.1
	16:45	1.99	1381	20.4	14	12.2	0	0	7.6	4.71	4.1
	17:00	2.01	1395	19.9	13	12.5	0	0	7.6	4.71	4.1
	17:15	2	1388	20.4	14	12.3	0	0	7.6	4.71	4.2
	17:30	1.99	1381	20.4	14	12.3	0	0	7.6	4.71	4.2
	17:45	2.01	1395	19.9	13	12.4	0	0	7.6	4.71	4.1
	18:00	2	1388	20.4	14	12.6	0	0	7.6	4.71	4.2
	18:15	2	1388	20.4	14	12.3	0	0	7.6	4.71	4.1
	18:30	2.02	1402	20.4	14	12.5	0	0	7.6	4.71	4.2
	18:45	2	1388	20.4	14	12.3	0	0	7.6	4.71	4.2
	19:00	2	1388	20.4	14	12.3	0	0	7.6	4.71	4.2
	19:15	2	1388	19.9	13	12.1	0	0	7.6	4.71	4.2
	19:30	1.99	1381	19.9	13	12.2	0	0	7.6	4.71	4.2
	19:45	2	1388	20.4	14	12.2	0	0	7.6	4.71	4.2
	20:00	1.99	1381	20.4	14	12.2	0	0	7.6	4.71	4.2
	20:15	1.98	1374	20.4	14	12.1	0	0	7.6	4.71	4.2
	20:30	1.97	1367	19.9	13	12.1	0	0	7.6	4.71	4.2
	20:45	1.98	1374	20.4	14	12.2	0	0	7.6	4.71	4.2
	21:00	1.97	1367	20.4	14	12	0	0	7.6	4.71	4.2
	21:15	1.97	1367	19.9	13	12	0	0	7.6	4.71	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	21:30	1.96	1360	20.4	14	12.1	0	0	7.1	4.4	4.2
	21:45	1.95	1353	19.9	13	11.9	0	0	7.6	4.71	4.2
	22:00	1.95	1353	19.9	13	12	0	0	7.6	4.71	4.2
	22:15	1.95	1353	19.9	13	11.9	0	0	7.6	4.71	4.2
	22:30	1.94	1346	19.9	13	11.9	0	0	7.6	4.71	4.2
	22:45	1.95	1353	19.9	13	12	0	0	7.6	4.71	4.2
	23:00	1.95	1353	20.4	14	12	0	0	7.6	4.71	4.2
	23:15	1.94	1346	19.9	13	11.8	0	0	7.6	4.71	4.2
	23:30	1.93	1339	20.4	14	11.8	0	0	7.6	4.71	4.2
	23:45	1.94	1346	19.9	13	11.9	0	0	7.6	4.71	4.2
2/26/2014	0:00	1.95	1353	19.9	13	12	0	0	7.6	4.71	4.2
	0:15	1.93	1339	19.9	13	11.7	0	0	7.1	4.4	4.2
	0:30	1.92	1332	20.4	14	11.9	0	0	7.1	4.4	4.2
	0:45	1.92	1332	20.4	14	11.8	0	0	7.6	4.71	4.2
	1:00	1.92	1332	20.4	14	11.7	0	0	7.1	4.4	4.2
	1:15	1.92	1332	20.4	14	5	0	0	7.6	4.71	4.2
	1:30	1.91	1326	19.9	13	11.6	0	0	7.1	4.4	4.2
	1:45	1.91	1326	20.4	14	11.5	0	0	7.1	4.4	4.2
	2:00	1.91	1326	19.9	13	11.4	0	0	7.1	4.4	4.2
	2:15	1.9	1319	20.4	14	11.6	0	0	7.1	4.4	4.2
	2:30	1.89	1312	19.9	13	11.5	0	0	7.1	4.4	4.2
	2:45	1.89	1312	19.9	13	11.4	0	0	7.1	4.4	4.2
	3:00	1.89	1312	19.9	13	11.5	0	0	7.1	4.4	4.2
	3:15	1.88	1305	19.9	13	11.8	0	0	7.1	4.4	4.2
	3:30	1.88	1305	19.9	13	11.6	0	0	7.1	4.4	4.2
	3:45	1.89	1312	19.9	13	11.5	0	0	7.1	4.4	4.2
	4:00	1.88	1305	19.9	13	11.4	0	0	7.1	4.4	4.2
	4:15	0	0	38.1	26	5.7	0	0	7.1	4.4	4.4
	4:30	1.59	1103	18.3	12	9.7	0	0	7.1	4.4	3.8
	4:45	1.99	1381	19.9	13	12.2	0	0	7.1	4.4	4
	5:00	1.98	1374	20.4	14	12.2	0	0	7.1	4.4	4.1
	5:15	1.96	1360	19.9	13	12	0	0	6.5	4.03	4.1
	5:30	1.96	1360	19.9	13	11.7	0	0	7.1	4.4	4.1
	5:45	1.96	1360	19.9	13	11.6	0	0	7.1	4.4	4.2
	6:00	1.95	1353	19.9	13	11.4	0	0	7.1	4.4	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	6:15	1.93	1339	19.9	13	11.4	0	0	6.5	4.03	4.2
	6:30	1.95	1353	19.9	13	11.4	0	0	7.1	4.4	4.2
	6:45	1.93	1339	19.9	13	11.3	0	0	7.1	4.4	4.2
	7:00	1.93	1339	19.9	13	11.2	0	0	7.1	4.4	4.2
	7:15	1.93	1339	19.9	13	11	0	0	7.1	4.4	4.2
	7:30	1.93	1339	17.8	12	10.6	0	0	7.1	4.4	4.2
	7:45	1.92	1332	19.9	13	11	0	0	7.1	4.4	4.2
	8:00	1.9	1319	17.8	12	10.5	0	0	7.1	4.4	4.2
	8:15	1.91	1326	17.8	12	10.2	0	0	7.1	4.4	4.2
	8:30	1.9	1319	17.8	12	10.3	0	0	7.1	4.4	4.2
	8:45	1.89	1312	17.8	12	9.9	0	0	7.1	4.4	4.2
	9:00	1.88	1305	17.8	12	3.8	0	0	7.1	4.4	4.2
	9:15	1.89	1312	17.8	12	3.9	0	0	7.1	4.4	4.2
	9:30	1.89	1312	17.8	12	11.7	0	0	7.1	4.4	4.2
	9:45	1.88	1305	17.8	12	11.5	0	0	7.1	4.4	4.2
	10:00	1.89	1312	19.9	13	11.4	0.03	20.8	7.1	4.4	5.6
	10:15	1.88	1305	17.8	12	11.4	0	0	7.1	4.4	5.5
	10:30	1.88	1305	19.9	13	11.5	0	0	7.1	4.4	5.5
	10:45	1.88	1305	19.9	13	11.6	0	0	7.1	4.4	5.5
	11:00	1.85	1284	19.9	13	11.3	0	0	7.1	4.4	5.5
	11:15	1.86	1291	19.9	13	11.5	0	0	7.1	4.4	5.5
	11:30	1.87	1298	19.9	13	11.4	0	0	7.1	4.4	5.5
	11:45	1.86	1291	19.9	13	11.5	0	0	7.1	4.4	5.5
	12:00	0	0	17.8	12	3.1	0	0	7.1	4.4	5.4
	12:15	0	0	17.8	12	3.5	1.99	1381	7.1	4.4	12.8
	12:30	0	0	17.8	12	3.5	1.98	1374	7.1	4.4	13
	12:45	0	0	18.3	12	4.3	2	1388	7.1	4.4	12.9
	13:00	0	0	17.8	12	5.4	2	1388	7.1	4.4	12.9
	13:15	0	0	17.8	12	6.6	2	1388	7.1	4.4	13.2
	13:30	0	0	17.8	12	7.7	1.99	1381	7.1	4.4	3.3
	13:45	0	0	13.5	9	8.7	0	0	7.1	4.4	0
	14:00	0	0	8.7	5.8	9.6	0	0	7.1	4.4	0
	14:15	0	0	10.8	7.2	10.3	0	0	11.9	7.38	0
	14:30	0	0	4.4	2.9	10.9	0	0	11.9	7.38	0
	14:45	0	0	6.5	4.4	11.3	0	0	11.9	7.38	0

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	15:00	0	0	6.5	4.4	11.6	0	0	11.9	7.38	0
	15:15	0	0	4.4	2.9	11.9	0	0	11.9	7.38	0
	15:30	0	0	3.9	2.6	12.1	0	0	11.3	7.01	0
	15:45	0	0	4.4	2.9	12.3	0	0	10.8	6.7	0
	16:00	0	0	4.4	2.9	12.3	1.29	895	10.8	6.7	0
	16:15	0	0	4.4	2.9	6.7	0	0	10.8	6.7	0
	16:30	0	0	3.9	2.6	7	0	0	10.3	6.39	0
	16:45	0	0	4.4	2.9	7.1	0	0	10.8	6.7	0
	17:00	0	0	4.4	2.9	7	0	0	10.3	6.39	0
	17:15	0	0	4.4	2.9	6.8	0	0	10.3	6.39	0
	17:30	0	0	4.4	2.9	6.7	2	1388	10.3	6.39	3.3
	17:45	0	0	4.4	2.9	6.6	2	1388	10.3	6.39	12.9
	18:00	0	0	4.4	2.9	6.6	2.02	1402	10.3	6.39	13.2
	18:15	0	0	0	0	6.6	2.02	1402	10.3	6.39	13.3
	18:30	0	0	0	0	6.8	2.01	1395	10.3	6.39	12.9
	18:45	0	0	0	0	6.8	2	1388	10.3	6.39	13
	19:00	0	0	0	0	7	1.81	1256	10.3	6.39	11.6
	19:15	0	0	0	0	7.1	0	0	10.3	6.39	3.7
	19:30	0	0	0	0	2.3	0	0	10.3	6.39	4
	19:45	0	0	0	0	2.3	0	0	10.3	6.39	4.1
	20:00	0	0	0	0	4	1.78	1235	10.3	6.39	10.7
	20:15	0	0	0	0	2.9	1.77	1228	10.3	6.39	11.5
	20:30	0	0	0	0	2.7	1.79	1242	10.3	6.39	11.7
	20:45	0	0	0	0	2.6	1.81	1256	9.7	6.01	11.7
	21:00	0	0	0	0	2.5	1.79	1242	10.3	6.39	11.6
	21:15	0	0	0	0	2.5	1.81	1256	10.3	6.39	11.6
	21:30	0	0	0	0	2.4	1.78	1235	9.7	6.01	11.4
	21:45	0	0	0	0	3	1.79	1242	9.7	6.01	11.5
	22:00	0	0	0	0	7.6	1.79	1242	9.7	6.01	11.4
	22:15	0	0	0	0	7.5	1.82	1263	10.3	6.39	11.8
	22:30	0	0	0	0	7.5	1.8	1249	10.3	6.39	11.5
	22:45	0	0	0	0	7.6	1.79	1242	10.8	6.7	11.5
	23:00	0	0	0	0	7.6	1.78	1235	10.8	6.7	11.6
	23:15	0	0	0	0	7.6	1.8	1249	10.8	6.7	11.5
	23:30	0	0	0	0	7.6	1.79	1242	10.8	6.7	11.5

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	23:45	0	0	0	0	1.9	1.81	1256	10.8	6.7	11.5
2/27/2014	0:00	0	0	0	0	1.7	1.79	1242	10.8	6.7	11.3
	0:15	0	0	0.1	0.1	4.1	1.79	1242	11.3	7.01	11.4
	0:30	0	0	0.1	0.1	4.5	1.8	1249	10.8	6.7	11.4
	0:45	0	0	0.1	0.1	4.6	0	0	10.8	6.7	3.8
	1:00	0	0	0	0	2.4	0	0	10.8	6.7	4
	1:15	0.69	479	175	117	7.3	0	0	10.8	6.7	4
	1:30	2	1388	22.6	15	8.5	0	0	11.3	7.01	4.1
	1:45	1.99	1381	22	15	12.4	0	0	11.3	7.01	4.2
	2:00	1.99	1381	22	15	12.3	0	0	10.8	6.7	4.2
	2:15	2	1388	22	15	12.2	0	0	11.3	7.01	4.3
	2:30	2	1388	22.6	15	12.3	0	0	10.8	6.7	4.3
	2:45	1.99	1381	22.6	15	12.3	0	0	11.3	7.01	4.3
	3:00	1.99	1381	22	15	12.4	0	0	11.3	7.01	4.3
	3:15	2	1388	22	15	12.2	0	0	11.3	7.01	4.3
	3:30	2	1388	22.6	15	12.4	0	0	11.3	7.01	4.3
	3:45	1.99	1381	22	15	12.3	0	0	11.3	7.01	4.3
	4:00	2.02	1402	22.6	15	12.6	0	0	11.3	7.01	4.3
	4:15	2	1388	22	15	12.6	0	0	11.3	7.01	4.3
	4:30	2	1388	22.6	15	12.3	0	0	11.3	7.01	4.3
	4:45	2.01	1395	22	15	12.3	0	0	11.3	7.01	4.3
	5:00	2.03	1409	22	15	12.5	0	0	10.8	6.7	4.3
	5:15	2	1388	22.6	15	12.3	0	0	11.3	7.01	4.3
	5:30	2	1388	22	15	12.3	0	0	11.3	7.01	4.3
	5:45	1.99	1381	22	15	12.4	0	0	10.8	6.7	4.3
	6:00	2	1388	22	15	12.4	0	0	11.3	7.01	4.3
	6:15	1.99	1381	22.6	15	12.3	0	0	11.3	7.01	4.3
	6:30	2.01	1395	22	15	12.4	0	0	11.3	7.01	4.3
	6:45	1.98	1374	22	15	12.1	0	0	11.3	7.01	4.3
	7:00	1.99	1381	22	15	12.2	0	0	11.3	7.01	4.3
	7:15	2	1388	22	15	12.2	0	0	11.3	7.01	4.3
	7:30	1.99	1381	22	15	12.1	0	0	11.3	7.01	4.3
	7:45	2.01	1395	22	15	12.3	0	0	11.3	7.01	4.3
	8:00	1.99	1381	22	15	12.5	0	0	11.3	7.01	4.3
	8:15	1.99	1381	22	15	12.2	0	0	11.3	7.01	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	8:30	2.01	1395	22	15	12.3	0	0	11.3	7.01	4.2
	8:45	2.01	1395	22	15	12.5	0	0	11.3	7.01	4.2
	9:00	2	1388	22	15	4.1	0	0	11.3	7.01	4.2
	9:15	1.99	1381	22	15	12.3	0	0	11.3	7.01	4.2
	9:30	1.99	1381	22	15	12	0	0	11.3	7.01	4.2
	9:45	2	1388	22.6	15	12.3	0	0	11.3	7.01	4.2
	10:00	1.99	1381	22	15	12.1	0	0	11.3	7.01	5.5
	10:15	2	1388	22.6	15	12.5	0.18	125	11.3	7.01	5.6
	10:30	1.99	1381	22.6	15	12.1	0	0	11.3	7.01	4.1
	10:45	2.01	1395	22.6	15	12.3	0	0	11.3	7.01	4.1
	11:00	2	1388	22.6	15	12.1	0	0	11.3	7.01	4
	11:15	2.01	1395	22.6	15	12.5	0	0	11.3	7.01	4
	11:30	2	1388	22.6	15	12.3	0	0	11.3	7.01	4
	11:45	2	1388	22.6	15	12.1	0	0	11.3	7.01	4
	12:00	2	1388	22	15	12.3	0	0	11.3	7.01	4
	12:15	2	1388	22	15	12.3	0	0	11.3	7.01	4
	12:30	2	1388	22	15	12.3	0	0	11.3	7.01	4
	12:45	1.99	1381	22	15	12.5	0	0	11.9	7.38	4
	13:00	2.01	1395	22.6	15	12.3	0	0	11.3	7.01	4.1
	13:15	1.99	1381	22	15	12.2	0	0	11.3	7.01	4.1
	13:30	2	1388	22.6	15	12.2	0	0	11.3	7.01	4.1
	13:45	1.99	1381	22	15	12.3	0	0	11.3	7.01	4.1
	14:00	2.01	1395	22	15	12.4	0	0	11.3	7.01	4.1
	14:15	1.99	1381	22	15	11.9	0	0	11.9	7.38	4.1
	14:30	2	1388	22.6	15	12.3	0	0	11.9	7.38	4.1
	14:45	2.01	1395	22.6	15	12.2	0	0	11.3	7.01	4.1
	15:00	1.99	1381	22	15	11.8	0	0	11.3	7.01	4.1
	15:15	2.01	1395	22.6	15	12.4	0	0	11.9	7.38	4.1
	15:30	1.99	1381	22	15	12	0	0	11.3	7.01	4.1
	15:45	2.01	1395	22.6	15	12	0	0	11.3	7.01	4.1
	16:00	1.99	1381	22.6	15	12	0	0	11.3	7.01	4.1
	16:15	0	0	22	15	3.8	0	0	11.9	7.38	4.1
	16:30	0	0	22.6	15	3.5	0	0	11.9	7.38	4.1
	16:45	0	0	22	15	4.8	0.61	423	11.9	7.38	6.1
	17:00	0	0	20.4	14	6	1.81	1256	11.9	7.38	11.7

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	17:15	0	0	19.9	13	7.2	1.81	1256	11.9	7.38	2.9
	17:30	0	0	19.9	13	8.4	1.81	1256	11.9	7.38	11.7
	17:45	0	0	20.4	14	9.5	1.81	1256	11.9	7.38	11.6
	18:00	0	0	20.4	14	10.4	1.8	1249	11.9	7.38	11.6
	18:15	0	0	17.8	12	11.3	1.81	1256	11.9	7.38	11.6
	18:30	0	0	6.5	4.4	11.9	1.8	1249	11.9	7.38	11.3
	18:45	0	0	6.5	4.4	12.4	1.8	1249	11.9	7.38	11.6
	19:00	0	0	6.5	4.4	12.8	1.8	1249	11.9	7.38	11.3
	19:15	0	0	6.5	4.4	13.1	1.79	1242	11.9	7.38	11.5
	19:30	0	0	6.5	4.4	13.3	1.8	1249	11.9	7.38	11.6
	19:45	0	0	4.4	2.9	13.5	1.8	1249	11.9	7.38	11.5
	20:00	0	0	0.1	0.1	13.6	0	0	11.9	7.38	4
	20:15	0	0	0	0	13.5	0	0	11.9	7.38	4
	20:30	0	0	0	0	13.4	0	0	11.9	7.38	4.2
	20:45	0	0	0.1	0.1	13.4	1.74	1208	11.9	7.38	11.3
	21:00	0	0	0.1	0.1	13.3	1.79	1242	11.9	7.38	11.8
	21:15	0	0	0.1	0.1	13.1	1.79	1242	11.3	7.01	11.6
	21:30	0	0	0.1	0.1	13	1.79	1242	11.3	7.01	11.6
	21:45	0	0	0	0	12.9	1.81	1256	11.3	7.01	11.6
	22:00	0	0	0.1	0.1	12.8	1.8	1249	11.3	7.01	11.5
	22:15	0	0	0	0	12.7	1.81	1256	11.3	7.01	11.7
	22:30	0	0	0.1	0.1	12.5	1.81	1256	10.8	6.7	11.9
	22:45	0	0	0	0	7.7	1.82	1263	10.8	6.7	11.8
	23:00	0	0	0.1	0.1	5.3	1.81	1256	11.3	7.01	11.7
	23:15	0	0	0	0	4.3	0	0	11.3	7.01	3.5
	23:30	0.29	201	618	414	6.8	0	0	11.3	7.01	3.8
	23:45	2	1388	31.7	21	10.5	0	0	11.3	7.01	4.1
2/28/2014	0:00	2	1388	31.7	21	10.5	0	0	11.3	7.01	4.2
	0:15	2	1388	29	19	10.1	0	0	11.3	7.01	4.3
	0:30	2.01	1395	29.5	20	9.9	0	0	11.3	7.01	4.3
	0:45	2	1388	29	19	10.2	0	0	11.3	7.01	4.3
	1:00	2	1388	29	19	9.6	0	0	11.3	7.01	4.3
	1:15	2	1388	29	19	9.8	0	0	11.3	7.01	4.3
	1:30	1.98	1374	29	19	6	0	0	11.3	7.01	4.3
	1:45	1.99	1381	29.5	20	12.4	0	0	11.3	7.01	4.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	2:00	2	1388	29	19	12.4	0	0	11.3	7.01	4.3
	2:15	2	1388	29	19	12.3	0	0	11.9	7.38	4.3
	2:30	1.98	1374	29	19	12.1	0	0	11.3	7.01	4.3
	2:45	2.01	1395	29	19	12.4	0	0	11.3	7.01	4.3
	3:00	1.99	1381	29	19	12.3	0	0	11.9	7.38	4.3
	3:15	2.01	1395	29.5	20	12.3	0	0	11.3	7.01	4.3
	3:30	2.01	1395	26.9	18	12.3	0	0	11.3	7.01	4.3
	3:45	1.99	1381	26.9	18	12.2	0	0	11.3	7.01	4.3
	4:00	2.01	1395	26.9	18	12.4	0	0	11.9	7.38	4.3
	4:15	1.99	1381	26.3	18	12.3	0	0	11.9	7.38	4.3
	4:30	2.01	1395	26.9	18	12.4	0	0	11.3	7.01	4.3
	4:45	2	1388	26.9	18	12.5	0	0	11.3	7.01	4.3
	5:00	2	1388	26.9	18	12.1	0	0	11.9	7.38	4.3
	5:15	2	1388	26.9	18	12.3	0	0	11.3	7.01	4.3
	5:30	2	1388	26.9	18	12.4	0	0	11.9	7.38	4.3
	5:45	2.01	1395	26.9	18	12.5	0	0	11.9	7.38	4.3
	6:00	1.99	1381	26.9	18	12.4	0	0	11.9	7.38	4.3
	6:15	1.98	1374	26.9	18	12.2	0	0	11.3	7.01	4.3
	6:30	2.01	1395	26.9	18	12.1	0	0	11.9	7.38	4.3
	6:45	2	1388	26.9	18	12.3	0	0	11.9	7.38	4.3
	7:00	2	1388	26.9	18	12.2	0	0	11.3	7.01	4.3
	7:15	0	0	22	15	6	0	0	11.9	7.38	4.3
	7:30	0	0	76.6	51	5	0	0	11.3	7.01	4.3
	7:45	1.44	999	33.3	22	8.8	0	0	11.9	7.38	3.8
	8:00	1.99	1381	26.3	18	12.3	0	0	11.9	7.38	4.1
	8:15	2	1388	26.9	18	12.4	0	0	11.9	7.38	4.1
	8:30	2.02	1402	26.9	18	12.5	0	0	11.9	7.38	4.2
	8:45	1.99	1381	26.3	18	4	0	0	11.9	7.38	4.2
	9:00	1.99	1381	24.2	16	4	0	0	11.9	7.38	4.2
	9:15	1.99	1381	24.7	17	12.2	0	0	11.9	7.38	4.2
	9:30	2	1388	24.7	17	12.4	0	0	11.9	7.38	4.2
	9:45	2.01	1395	24.7	17	12.2	0	0	11.9	7.38	5.6
	10:00	2.01	1395	24.2	16	12.4	0	0	11.9	7.38	4.3
	10:15	2.01	1395	24.7	17	12.1	0	0	11.9	7.38	4.2
	10:30	2	1388	26.9	18	12.2	0	0	11.9	7.38	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	10:45	2.01	1395	26.9	18	12.5	0	0	11.9	7.38	4.1
	11:00	2.01	1395	24.7	17	12.4	0	0	11.9	7.38	4.1
	11:15	2.01	1395	24.7	17	12.4	0	0	11.9	7.38	4.1
	11:30	1.99	1381	24.7	17	12.2	0	0	11.3	7.01	4.1
	11:45	2	1388	24.7	17	12.5	0	0	11.9	7.38	4.1
	12:00	2	1388	24.7	17	12.2	0	0	11.9	7.38	4.1
	12:15	2.01	1395	24.7	17	12.2	0	0	11.9	7.38	4.1
	12:30	2.01	1395	24.7	17	12.3	0	0	11.9	7.38	4.1
	12:45	1.99	1381	24.7	17	12.4	0	0	11.9	7.38	4.1
	13:00	2	1388	24.7	17	12.2	0	0	11.9	7.38	4.1
	13:15	2	1388	24.7	17	12.2	0	0	11.3	7.01	4.1
	13:30	2	1388	24.7	17	12.2	0	0	11.9	7.38	4.1
	13:45	2	1388	24.7	17	12.2	0	0	11.9	7.38	4.1
	14:00	2.01	1395	24.7	17	12.5	0	0	11.9	7.38	4.1
	14:15	2	1388	24.7	17	12	0	0	11.9	7.38	4.1
	14:30	2.01	1395	24.7	17	12.4	0	0	11.9	7.38	4.1
	14:45	2	1388	24.7	17	12.2	0	0	11.9	7.38	4.1
	15:00	1.98	1374	24.7	17	12.3	0	0	12.4	7.69	4.1
	15:15	2.01	1395	24.7	17	12.3	0	0	11.9	7.38	4.1
	15:30	2	1388	24.7	17	12.4	0	0	11.9	7.38	4.1
	15:45	2	1388	24.7	17	12.2	0	0	12.4	7.69	4.1
	16:00	2	1388	24.7	17	12.2	0	0	11.9	7.38	4.1
	16:15	2.01	1395	26.9	18	10.7	0	0	11.9	7.38	4.1
	16:30	1.99	1381	26.9	18	12.2	0	0	12.4	7.69	4.1
	16:45	2	1388	26.9	18	12.2	0	0	11.9	7.38	4.1
	17:00	2	1388	26.9	18	12.2	0	0	11.9	7.38	4.1
	17:15	2	1388	26.9	18	12.2	0	0	12.4	7.69	4.1
	17:30	1.99	1381	26.9	18	12.1	0	0	12.4	7.69	4.1
	17:45	2	1388	26.9	18	12.2	0	0	12.4	7.69	4.1
	18:00	1.99	1381	26.9	18	12.3	0	0	12.4	7.69	4.1
	18:15	2	1388	26.9	18	12.2	0	0	12.4	7.69	4.1
	18:30	0	0	25.3	17	3.9	0	0	11.9	7.38	4.1
	18:45	0	0	24.7	17	3.5	0	0	12.4	7.69	4.1
	19:00	0	0	24.7	17	3.7	0	0	12.4	7.69	4.1
	19:15	0	0	22.6	15	3.9	0	0	11.9	7.38	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	19:30	2.01	1395	26.9	18	13.3	0	0	11.9	7.38	4
	19:45	1.99	1381	26.9	18	12.6	0	0	11.9	7.38	4.1
	20:00	2.01	1395	26.9	18	12.5	0	0	11.9	7.38	4.1
	20:15	2.01	1395	27.4	18	12.2	0	0	11.9	7.38	4.1
	20:30	2.02	1402	26.9	18	12.1	0	0	11.9	7.38	4.1
	20:45	2	1388	26.9	18	12.4	0	0	11.9	7.38	4.1
	21:00	2	1388	26.9	18	12.1	0	0	11.9	7.38	4.1
	21:15	1.99	1381	26.9	18	11.9	0	0	11.9	7.38	4.1
	21:30	1.99	1381	26.9	18	11.6	0	0	11.3	7.01	4.1
	21:45	2.01	1395	26.9	18	11.9	0	0	11.9	7.38	4.1
	22:00	1.99	1381	26.9	18	12	0	0	11.3	7.01	4.1
	22:15	2.03	1409	24.7	17	11.8	0	0	11.9	7.38	4.1
	22:30	2	1388	26.9	18	11.5	0	0	11.9	7.38	4.1
	22:45	2	1388	26.9	18	11.2	0	0	11.9	7.38	4.1
	23:00	2.01	1395	26.9	18	11.2	0	0	11.9	7.38	4.1
	23:15	1.99	1381	26.9	18	11.2	0	0	11.9	7.38	4.1
	23:30	2	1388	27.4	18	11.2	0	0	12.4	7.69	4.1
	23:45	1.98	1374	27.4	18	10.7	0	0	12.4	7.69	4.1
3/1/2014	0:00	2	1388	26.9	18	10.8	0	0	12.4	7.69	4.1
	0:15	2	1388	27.4	18	10.6	0	0	11.9	7.38	4.1
	0:30	2	1388	27.4	18	10.8	0	0	12.4	7.69	4.1
	0:45	2	1388	26.9	18	10.6	0	0	12.4	7.69	4.1
	1:00	2.01	1395	26.9	18	10.6	0	0	11.9	7.38	4.1
	1:15	1.99	1381	26.9	18	5.2	0	0	12.4	7.69	4.1
	1:30	1.99	1381	27.4	18	12	0	0	12.4	7.69	4.1
	1:45	2.01	1395	24.7	17	12.3	0	0	11.9	7.38	4.1
	2:00	2.01	1395	26.9	18	12.3	0	0	11.9	7.38	4.1
	2:15	1.99	1381	26.9	18	12	0	0	11.9	7.38	4.1
	2:30	2	1388	24.7	17	12.3	0	0	11.9	7.38	4.1
	2:45	2.01	1395	26.9	18	12.4	0	0	11.9	7.38	4.1
	3:00	2	1388	27.4	18	12.3	0	0	12.4	7.69	4.1
	3:15	2.01	1395	27.4	18	12.2	0	0	11.9	7.38	4.1
	3:30	2.01	1395	26.9	18	12.5	0	0	11.9	7.38	4.1
	3:45	2	1388	26.9	18	12.2	0	0	11.9	7.38	4.1
	4:00	2	1388	26.9	18	12.3	0	0	11.9	7.38	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	4:15	1.98	1374	26.9	18	12.1	0	0	11.9	7.38	4.1
	4:30	1.98	1374	26.9	18	12.4	0	0	11.9	7.38	4.1
	4:45	2.01	1395	27.4	18	12.4	0	0	11.9	7.38	4.1
	5:00	2.01	1395	26.9	18	12.1	0	0	11.9	7.38	4.1
	5:15	2	1388	26.9	18	12.3	0	0	11.9	7.38	4.1
	5:30	2	1388	26.9	18	12.3	0	0	12.4	7.69	4.1
	5:45	2	1388	26.9	18	12.2	0	0	11.9	7.38	4.1
	6:00	2.02	1402	26.9	18	12.2	0	0	11.9	7.38	4.1
	6:15	2	1388	26.9	18	12.2	0	0	12.4	7.69	4.1
	6:30	2	1388	27.4	18	12.3	0	0	11.9	7.38	4.1
	6:45	2	1388	26.9	18	12.2	0	0	11.9	7.38	4.1
	7:00	1.99	1381	26.9	18	12.2	0	0	11.9	7.38	4.1
	7:15	2.01	1395	26.9	18	12.2	0	0	11.9	7.38	4.1
	7:30	1.99	1381	26.9	18	11.8	0	0	11.9	7.38	4.1
	7:45	1.99	1381	26.9	18	12.1	0	0	11.9	7.38	4.1
	8:00	1.99	1381	26.9	18	12	0	0	11.9	7.38	4.1
	8:15	1.99	1381	26.9	18	12	0	0	11.9	7.38	4.1
	8:30	1.99	1381	26.9	18	12.3	0	0	11.9	7.38	4.1
	8:45	2.02	1402	26.9	18	12.2	0	0	11.9	7.38	4.2
	9:00	2.01	1395	26.9	18	12.5	0	0	11.9	7.38	4.2
	9:15	2	1388	26.9	18	12.4	0	0	11.9	7.38	4.1
	9:30	2.01	1395	26.9	18	12.3	0	0	11.9	7.38	4.2
	9:45	2	1388	26.9	18	12.5	0	0	11.9	7.38	4.2
	10:00	2.01	1395	26.9	18	11.8	0	0	11.9	7.38	4.2
	10:15	1.99	1381	26.9	18	12	0	0	11.9	7.38	4.2
	10:30	2.01	1395	26.9	18	12.4	0	0	11.9	7.38	4.1
	10:45	2	1388	26.9	18	12.1	0	0	11.9	7.38	4.2
	11:00	2.01	1395	26.9	18	12.1	0	0	11.9	7.38	4.2
	11:15	2	1388	26.9	18	12.3	0	0	12.4	7.69	4.2
	11:30	2	1388	26.9	18	12.3	0	0	11.9	7.38	4.2
	11:45	2.01	1395	26.9	18	12.3	0	0	11.9	7.38	4.2
	12:00	1.98	1374	26.9	18	12.3	0	0	11.9	7.38	4.2
	12:15	2.02	1402	26.9	18	12.2	0	0	11.9	7.38	4.1
	12:30	2	1388	26.9	18	12.6	0	0	12.4	7.69	4.2
	12:45	1.98	1374	26.9	18	12	0	0	12.4	7.69	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	13:00	2.01	1395	26.9	18	12.2	0	0	11.9	7.38	4.1
	13:15	2	1388	26.9	18	12.1	0	0	12.4	7.69	4.1
	13:30	1.99	1381	26.9	18	12.4	0	0	12.4	7.69	4.2
	13:45	1.99	1381	26.9	18	11.9	0	0	11.9	7.38	4.2
	14:00	2.02	1402	26.9	18	12.2	0	0	11.9	7.38	4.1
	14:15	2	1388	29	19	12.3	0	0	12.4	7.69	4.1
	14:30	2.01	1395	29	19	12	0	0	12.4	7.69	4.1
	14:45	2	1388	29	19	12.1	0	0	12.4	7.69	4.1
	15:00	2	1388	29.5	20	12.5	0	0	12.9	8	4.1
	15:15	2.01	1395	29.5	20	12.2	0	0	12.4	7.69	4.2
	15:30	1.99	1381	29	19	11.9	0	0	12.9	8	4.1
	15:45	2	1388	29.5	20	11.8	0	0	12.4	7.69	4.1
	16:00	2.01	1395	29	19	12.2	0	0	12.4	7.69	4.1
	16:15	2.01	1395	29.5	20	12.3	0	0	12.9	8	4.1
	16:30	1.99	1381	29.5	20	12.1	0	0	12.9	8	4.1
	16:45	2	1388	29	19	12.4	0	0	12.9	8	4.1
	17:00	2	1388	29.5	20	12.2	0	0	12.4	7.69	4.1
	17:15	2	1388	29	19	12.4	0	0	12.9	8	4.1
	17:30	2	1388	29.5	20	12.5	0	0	12.9	8	4.1
	17:45	2	1388	27.4	18	12.1	0	0	12.4	7.69	4.2
	18:00	1.98	1374	26.9	18	12.2	0	0	12.4	7.69	4.2
	18:15	2	1388	27.4	18	12.3	0	0	12.4	7.69	4.2
	18:30	1.99	1381	27.4	18	12.5	0	0	12.4	7.69	4.2
	18:45	2.01	1395	27.4	18	12.3	0	0	12.4	7.69	4.2
	19:00	2	1388	26.9	18	12.4	0	0	12.4	7.69	4.2
	19:15	1.99	1381	26.9	18	9.8	0	0	12.4	7.69	4.2
	19:30	2	1388	26.9	18	12.1	0	0	12.4	7.69	4.2
	19:45	2.01	1395	26.9	18	12.1	0	0	12.4	7.69	4.2
	20:00	1.99	1381	26.9	18	12.6	0	0	12.4	7.69	4.2
	20:15	2	1388	26.9	18	11.8	0	0	12.4	7.69	4.2
	20:30	2.01	1395	26.9	18	12.1	0	0	12.4	7.69	4.2
	20:45	2	1388	26.9	18	12.4	0	0	12.4	7.69	4.2
	21:00	1.99	1381	26.9	18	12.4	0	0	12.4	7.69	4.2
	21:15	2.01	1395	26.9	18	12.3	0	0	12.4	7.69	4.2
	21:30	2	1388	26.9	18	12.4	0	0	12.4	7.69	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	21:45	1.99	1381	26.9	18	11.9	0	0	12.4	7.69	4.2
	22:00	1.99	1381	26.9	18	12	0	0	11.9	7.38	4.2
	22:15	2.02	1402	26.9	18	12.3	0	0	11.9	7.38	4.2
	22:30	2	1388	27.4	18	12.1	0	0	12.4	7.69	4.2
	22:45	2.01	1395	26.9	18	12.2	0	0	12.4	7.69	4.2
	23:00	1.99	1381	27.4	18	12.2	0	0	11.9	7.38	4.2
	23:15	2	1388	26.9	18	12.3	0	0	11.9	7.38	4.2
	23:30	1.99	1381	27.4	18	12.1	0	0	11.9	7.38	4.2
	23:45	2	1388	26.9	18	12	0	0	11.9	7.38	4.2
3/2/2014	0:00	2	1388	26.9	18	12.4	0	0	12.4	7.69	4.2
	0:15	2	1388	26.9	18	12.4	0	0	11.9	7.38	4.2
	0:30	1.99	1381	24.7	17	12.4	0	0	11.9	7.38	4.2
	0:45	0	0	24.2	16	0	0	0	11.9	7.38	4.2
	1:00	0	0	24.7	17	0	0	0	11.9	7.38	4.2
	1:15	0	0	4.4	2.9	0.6	0	0	11.9	7.38	4.5
	1:30	2.02	1402	26.3	18	11.9	0	0	11.9	7.38	4
	1:45	2.01	1395	26.9	18	11.9	0	0	11.9	7.38	4.1
	2:00	2.01	1395	26.9	18	11.9	0	0	11.9	7.38	4.2
	2:15	1.99	1381	26.9	18	11.9	0	0	11.9	7.38	4.2
	2:30	2	1388	26.9	18	11.9	0	0	11.9	7.38	4.2
	2:45	1.99	1381	26.9	18	11.9	0	0	11.9	7.38	4.2
	3:00	2.01	1395	24.2	16	11.9	0	0	11.9	7.38	4.2
	3:15	2	1388	26.9	18	11.9	0	0	11.9	7.38	4.2
	3:30	1.99	1381	24.7	17	11.9	0	0	11.9	7.38	4.2
	3:45	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	4:00	2.01	1395	26.9	18	11.9	0	0	11.9	7.38	4.2
	4:15	1.99	1381	26.9	18	11.9	0	0	11.9	7.38	4.2
	4:30	2.01	1395	26.3	18	11.9	0	0	11.9	7.38	4.2
	4:45	2	1388	26.9	18	11.9	0	0	11.9	7.38	4.2
	5:00	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	5:15	1.99	1381	24.7	17	11.9	0	0	11.9	7.38	4.2
	5:30	1.99	1381	24.2	16	11.9	0	0	11.9	7.38	4.2
	5:45	2.02	1402	24.2	16	11.3	0	0	11.9	7.38	4.2
	6:00	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	6:15	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	6:30	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	6:45	1.99	1381	24.2	16	11.9	0	0	11.9	7.38	4.2
	7:00	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	7:15	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	7:30	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	7:45	2.01	1395	24.2	16	11.9	0	0	11.9	7.38	4.2
	8:00	1.99	1381	24.2	16	11.9	0	0	11.9	7.38	4.2
	8:15	1.99	1381	24.2	16	11.9	0	0	11.9	7.38	4.2
	8:30	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	8:45	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	9:00	1.99	1381	22	15	9.2	0	0	11.9	7.38	4.2
	9:15	2	1388	24.2	16	11.9	0	0	11.9	7.38	4.2
	9:30	1.99	1381	24.2	16	11.9	0	0	11.9	7.38	4.2
	9:45	2	1388	24.2	16	11.9	0	0	11.9	7.38	5.6
	10:00	2	1388	24.2	16	11.3	0	0	11.9	7.38	3.9
	10:15	2.01	1395	24.2	16	11.9	0	0	11.9	7.38	3.7
	10:30	2	1388	24.2	16	11.3	0	0	11.9	7.38	3.8
	10:45	1.99	1381	24.2	16	11.9	0	0	11.9	7.38	3.9
	11:00	2	1388	24.2	16	11.9	0	0	11.9	7.38	3.9
	11:15	1.99	1381	24.2	16	11.3	0	0	11.9	7.38	3.9
	11:30	1.99	1381	24.2	16	11.3	0	0	11.9	7.38	3.9
	11:45	2.01	1395	24.2	16	11.3	0	0	11.3	7.01	3.9
	12:00	2.01	1395	24.2	16	11.9	0	0	11.3	7.01	3.9
	12:15	2.01	1395	24.2	16	11.3	0	0	11.3	7.01	3.9
	12:30	1.99	1381	24.2	16	11.9	0	0	11.3	7.01	3.9
	12:45	2	1388	24.2	16	11.9	0	0	11.3	7.01	3.9
	13:00	2	1388	24.2	16	11.3	0	0	11.3	7.01	3.9
	13:15	0	0	24.2	16	0	0	0	11.3	7.01	3.9
	13:30	0	0	60.6	41	0	0	0	11.3	7.01	4.3
	13:45	2	1388	26.3	18	11.3	0	0	11.3	7.01	4
	14:00	2	1388	26.3	18	11.9	0	0	11.3	7.01	4.1
	14:15	1.99	1381	24.2	16	11.3	0	0	11.3	7.01	4.1
	14:30	2.01	1395	24.2	16	11.3	0	0	11.3	7.01	4.2
	14:45	1.99	1381	24.2	16	11.3	0	0	11.3	7.01	4.2
	15:00	1.98	1374	24.2	16	11.3	0	0	11.3	7.01	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	15:15	2	1388	24.2	16	11.3	0	0	11.3	7.01	4.2
	15:30	2	1388	24.2	16	10.8	0	0	11.3	7.01	4.2
	15:45	2.01	1395	24.2	16	11.3	0	0	11.3	7.01	4.2
	16:00	2.01	1395	24.7	17	11.3	0	0	11.3	7.01	4.2
	16:15	2	1388	24.2	16	11.3	0	0	11.3	7.01	4.2
	16:30	2	1388	24.2	16	11.3	0	0	11.3	7.01	4.2
	16:45	1.99	1381	24.2	16	11.3	0	0	11.3	7.01	4.2
	17:00	2.02	1402	24.2	16	11.3	0	0	10.8	6.7	4.2
	17:15	2	1388	23.7	16	9.2	0	0	11.3	7.01	4.2
	17:30	2	1388	24.2	16	11.3	0	0	11.3	7.01	4.2
	17:45	1.99	1381	24.2	16	9.2	0	0	11.3	7.01	4.2
	18:00	2.01	1395	24.2	16	9.2	0	0	11.3	7.01	4.2
	18:15	2.01	1395	24.2	16	9.2	0	0	11.3	7.01	4.2
	18:30	2.01	1395	24.2	16	9.2	0	0	11.3	7.01	4.2
	18:45	2.01	1395	24.2	16	8.7	0	0	11.3	7.01	4.2
	19:00	2.02	1402	24.2	16	9.2	0	0	11.3	7.01	4.2
	19:15	1.99	1381	24.2	16	9.2	0	0	11.3	7.01	4.2
	19:30	1.99	1381	24.2	16	9.2	0	0	11.3	7.01	4.2
	19:45	1.99	1381	21.5	14	9.2	0	0	11.3	7.01	4.2
	20:00	2.01	1395	22	15	8.7	0	0	11.3	7.01	4.2
	20:15	2.01	1395	22	15	9.2	0	0	11.3	7.01	4.2
	20:30	2	1388	22	15	9.2	0	0	11.3	7.01	4.2
	20:45	2	1388	22	15	9.2	0	0	11.3	7.01	4.2
	21:00	2	1388	22	15	9.2	0	0	11.3	7.01	4.2
	21:15	1.99	1381	21.5	14	8.7	0	0	11.3	7.01	4.2
	21:30	2	1388	22	15	8.7	0	0	11.3	7.01	4.2
	21:45	2	1388	21.5	14	9.2	0	0	11.3	7.01	4.2
	22:00	1.98	1374	21.5	14	9.2	0	0	11.3	7.01	4.2
	22:15	2	1388	21.5	14	8.7	0	0	11.3	7.01	4.2
	22:30	2.01	1395	22	15	8.7	0	0	11.3	7.01	4.2
	22:45	2	1388	21.5	14	9.2	0	0	11.3	7.01	4.2
	23:00	2	1388	21.5	14	8.7	0	0	11.3	7.01	4.2
	23:15	2.02	1402	22	15	8.7	0	0	11.3	7.01	4.2
	23:30	1.98	1374	22	15	8.7	0	0	11.3	7.01	4.2
	23:45	1.98	1374	22	15	8.7	0	0	11.3	7.01	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
3/3/2014	0:00	2	1388	21.5	14	12.4	0	0	11.3	7.01	4.2
	0:15	2	1388	21.5	14	12.1	0	0	11.3	7.01	4.2
	0:30	2	1388	22	15	12.2	0	0	11.3	7.01	4.2
	0:45	2	1388	22	15	12.1	0	0	10.8	6.7	4.2
	1:00	2	1388	21.5	14	7.5	0	0	11.3	7.01	4.2
	1:15	1.99	1381	21.5	14	12.1	0	0	10.8	6.7	4.2
	1:30	1.98	1374	21.5	14	12.3	0	0	11.3	7.01	4.2
	1:45	1.99	1381	21.5	14	12.2	0	0	11.3	7.01	4.2
	2:00	1.99	1381	22	15	12.2	0	0	11.3	7.01	4.2
	2:15	2	1388	22	15	12.2	0	0	11.3	7.01	4.2
	2:30	1.99	1381	22	15	12.3	0	0	11.3	7.01	4.2
	2:45	1.99	1381	22	15	12.1	0	0	11.3	7.01	4.2
	3:00	2	1388	22	15	12.2	0	0	10.8	6.7	4.2
	3:15	2.01	1395	22	15	12.4	0	0	11.3	7.01	4.2
	3:30	1.99	1381	22	15	12	0	0	11.3	7.01	4.2
	3:45	2.01	1395	22	15	12.2	0	0	10.8	6.7	4.3
	4:00	2.01	1395	22	15	12.1	0	0	10.8	6.7	4.2
	4:15	2.01	1395	22	15	12.2	0	0	11.3	7.01	4.2
	4:30	2.02	1402	22	15	12.1	0	0	11.3	7.01	4.2
	4:45	1.99	1381	22	15	12.3	0	0	10.8	6.7	4.2
	5:00	2	1388	22	15	12.2	0	0	10.8	6.7	4.2
	5:15	2	1388	21.5	14	12.1	0	0	11.3	7.01	4.2
	5:30	2	1388	22	15	12.2	0	0	11.3	7.01	4.2
	5:45	2	1388	22	15	12.1	0	0	11.3	7.01	4.2
	6:00	2	1388	21.5	14	12.4	0	0	11.3	7.01	4.2
	6:15	1.99	1381	22	15	12.2	0	0	10.8	6.7	4.2
	6:30	2	1388	22	15	12	0	0	10.8	6.7	4.2
	6:45	2	1388	22	15	11.9	0	0	11.3	7.01	4.2
	7:00	1.99	1381	22	15	12.3	0	0	10.8	6.7	4.2
	7:15	2.01	1395	21.5	14	12.1	0	0	10.8	6.7	4.2
	7:30	1.99	1381	22	15	12.3	0	0	10.8	6.7	4.2
	7:45	1.99	1381	21.5	14	12.2	0	0	10.8	6.7	4.2
	8:00	2	1388	22	15	12.2	0	0	10.8	6.7	4.2
	8:15	2.01	1395	21.5	14	12.3	0	0	10.8	6.7	4.2
	8:30	2	1388	22	15	11.9	0	0	10.8	6.7	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	8:45	2	1388	22	15	12.5	0	0	10.8	6.7	4.2
	9:00	1.99	1381	22	15	12.2	0	0	10.8	6.7	4.2
	9:15	1.99	1381	22	15	4.1	0	0	10.8	6.7	4.2
	9:30	2	1388	21.5	14	12.1	0	0	10.8	6.7	4.2
	9:45	1.99	1381	21.5	14	12.2	0	0	10.8	6.7	6.3
	10:00	0	0	44.5	30	7.2	0	0	10.8	6.7	4.2
	10:15	0	0	29	19	5.1	0	0	10.8	6.7	4.2
	10:30	1.99	1381	23.7	16	12.4	0	0	10.8	6.7	4.1
	10:45	2.01	1395	24.2	16	12.5	0	0	10.8	6.7	4.1
	11:00	2	1388	22	15	12.4	0	0	10.8	6.7	4.1
	11:15	2	1388	21.5	14	12.1	0	0	10.8	6.7	4.1
	11:30	2	1388	22	15	12.2	0	0	10.8	6.7	4.1
	11:45	2	1388	21.5	14	12	0	0	10.8	6.7	4.1
	12:00	2	1388	21.5	14	12	0	0	10.8	6.7	4.1
	12:15	2	1388	21.5	14	11.9	0	0	10.8	6.7	4.1
	12:30	2.01	1395	21.5	14	11.9	0	0	10.8	6.7	4.1
	12:45	2	1388	21.5	14	12	0	0	10.8	6.7	4.1
	13:00	1.99	1381	21.5	14	4	0	0	10.3	6.39	4.1
	13:15	2.01	1395	21.5	14	12.1	0	0	10.8	6.7	4.1
	13:30	1.99	1381	21.5	14	12.4	0	0	10.8	6.7	4.1
	13:45	2	1388	21.5	14	12.3	0	0	10.8	6.7	4.1
	14:00	2.02	1402	21.5	14	12.5	0	0	10.8	6.7	4.1
	14:15	2.01	1395	21.5	14	12.2	0	0	10.8	6.7	4.1
	14:30	2	1388	21.5	14	12.3	0	0	10.8	6.7	4.1
	14:45	2	1388	21.5	14	12.3	0	0	10.8	6.7	4.1
	15:00	2.01	1395	21.5	14	12.4	0	0	10.3	6.39	4.1
	15:15	2	1388	21.5	14	12.2	0	0	10.3	6.39	4.1
	15:30	1.99	1381	21.5	14	12.1	0	0	10.3	6.39	4.2
	15:45	2	1388	21.5	14	12.1	0	0	10.3	6.39	4.2
	16:00	2.01	1395	22	15	12.1	0	0	10.3	6.39	4.1
	16:15	1.99	1381	22	15	12.2	0	0	10.8	6.7	4.2
	16:30	1.98	1374	22	15	12.1	0	0	10.8	6.7	4.2
	16:45	1.98	1374	21.5	14	12.4	0	0	10.3	6.39	4.2
	17:00	2.01	1395	21.5	14	12.1	0	0	10.8	6.7	4.2
	17:15	2	1388	22	15	12.2	0	0	10.8	6.7	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	17:30	1.99	1381	21.5	14	12.2	0	0	10.8	6.7	4.2
	17:45	2.01	1395	21.5	14	12.1	0	0	10.8	6.7	4.2
	18:00	2	1388	21.5	14	12.2	0	0	10.3	6.39	4.2
	18:15	2	1388	21.5	14	12	0	0	10.8	6.7	4.2
	18:30	1.99	1381	21.5	14	12.1	0	0	10.8	6.7	4.2
	18:45	2.01	1395	21.5	14	12.2	0	0	10.8	6.7	4.1
	19:00	1.99	1381	21.5	14	12.1	0	0	10.8	6.7	4.2
	19:15	2.01	1395	22	15	12.4	0	0	10.8	6.7	4.2
	19:30	2.02	1402	21.5	14	12.5	0	0	10.8	6.7	4.2
	19:45	2	1388	21.5	14	12.2	0	0	10.8	6.7	4.2
	20:00	2	1388	22	15	12.3	0	0	10.8	6.7	4.2
	20:15	1.99	1381	22	15	12.2	0	0	10.8	6.7	4.1
	20:30	1.99	1381	21.5	14	12.3	0	0	10.8	6.7	4.2
	20:45	1.99	1381	22	15	12.1	0	0	10.8	6.7	4.2
	21:00	1.99	1381	21.5	14	12.2	0	0	10.8	6.7	4.2
	21:15	2	1388	21.5	14	12.1	0	0	10.8	6.7	4.2
	21:30	1.98	1374	21.5	14	12.2	0	0	10.8	6.7	4.2
	21:45	1.99	1381	21.5	14	12	0	0	10.8	6.7	4.2
	22:00	1.97	1367	22	15	12.3	0	0	10.8	6.7	4.2
	22:15	1.97	1367	21.5	14	12.1	0	0	10.8	6.7	4.2
	22:30	1.97	1367	21.5	14	12	0	0	10.3	6.39	4.2
	22:45	1.97	1367	21.5	14	11.9	0	0	10.8	6.7	4.2
	23:00	1.97	1367	21.5	14	11.9	0	0	10.3	6.39	4.2
	23:15	1.95	1353	21.5	14	11.9	0	0	10.8	6.7	4.2
	23:30	1.96	1360	21.5	14	11.9	0	0	10.8	6.7	4.2
	23:45	1.96	1360	21.5	14	11.9	0	0	10.8	6.7	4.2
3/4/2014	0:00	1.97	1367	21.5	14	11.9	0	0	10.8	6.7	4.2
	0:15	1.96	1360	21.5	14	12	0	0	10.8	6.7	4.2
	0:30	1.96	1360	21.5	14	12	0	0	10.8	6.7	4.2
	0:45	1.97	1367	21.5	14	12.2	0	0	10.3	6.39	4.2
	1:00	1.95	1353	21.5	14	11.8	0	0	10.8	6.7	4.2
	1:15	1.94	1346	21.5	14	3.9	0	0	10.8	6.7	4.2
	1:30	1.95	1353	21.5	14	3.9	0	0	10.8	6.7	4.2
	1:45	1.95	1353	21.5	14	3.9	0	0	10.8	6.7	4.2
	2:00	1.96	1360	22	15	3.9	0	0	10.8	6.7	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	2:15	1.95	1353	21.5	14	3.9	0	0	10.8	6.7	4.2
	2:30	1.94	1346	21.5	14	3.9	0	0	10.8	6.7	4.2
	2:45	1.94	1346	21.5	14	3.9	0	0	10.3	6.39	4.2
	3:00	1.94	1346	21.5	14	3.9	0	0	10.3	6.39	4.2
	3:15	1.93	1339	21.5	14	3.9	0	0	10.8	6.7	4.2
	3:30	1.94	1346	21.5	14	3.9	0	0	10.3	6.39	4.2
	3:45	1.95	1353	21.5	14	3.9	0	0	10.3	6.39	4.2
	4:00	1.94	1346	21.5	14	3.9	0	0	10.8	6.7	4.2
	4:15	1.94	1346	21.5	14	3.9	0	0	10.8	6.7	4.2
	4:30	1.94	1346	21.5	14	3.7	0	0	10.8	6.7	4.2
	4:45	1.94	1346	21.5	14	3.8	0	0	10.8	6.7	4.2
	5:00	1.92	1332	21.5	14	11.7	0	0	10.3	6.39	4.2
	5:15	1.93	1339	22	15	11.9	0	0	10.8	6.7	4.2
	5:30	1.93	1339	21.5	14	11.8	0	0	10.3	6.39	4.2
	5:45	1.92	1332	22	15	11.5	0	0	10.3	6.39	4.2
	6:00	1.92	1332	21.5	14	11.7	0	0	10.8	6.7	4.2
	6:15	1.93	1339	21.5	14	11.7	0	0	10.8	6.7	4.2
	6:30	1.92	1332	21.5	14	11.6	0	0	10.3	6.39	4.2
	6:45	1.91	1326	21.5	14	11.4	0	0	10.8	6.7	4.2
	7:00	1.91	1326	21.5	14	11.8	0	0	10.8	6.7	4.2
	7:15	1.91	1326	21.5	14	11.6	0	0	10.8	6.7	4.2
	7:30	1.9	1319	21.5	14	11.5	0	0	10.8	6.7	4.2
	7:45	1.91	1326	21.5	14	11.4	0	0	10.8	6.7	4.2
	8:00	1.91	1326	21.5	14	11.7	0	0	10.3	6.39	4.2
	8:15	1.91	1326	22	15	11.7	0	0	10.8	6.7	4.2
	8:30	1.91	1326	21.5	14	11.6	0	0	10.8	6.7	4.2
	8:45	1.91	1326	21.5	14	11.6	0	0	10.8	6.7	4.2
	9:00	0	0	22	15	0.1	0	0	10.8	6.7	4.2
	9:15	0	0	21.5	14	0.1	0	0	10.8	6.7	4.2
	9:30	0	0	78.2	52	1.7	0	0	10.8	6.7	4.2
	9:45	2	1388	21.5	14	9.1	0	0	10.8	6.7	4.2
	10:00	2	1388	22	15	12.5	0	0	10.3	6.39	5.5
	10:15	2	1388	22	15	12.2	0	0	10.8	6.7	4
	10:30	2.01	1395	21.5	14	12.3	0	0	10.8	6.7	4.1
	10:45	2	1388	21.5	14	12.4	0	0	10.8	6.7	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	11:00	1.99	1381	21.5	14	12.2	0	0	10.8	6.7	4.1
	11:15	1.98	1374	21.5	14	12.3	0	0	10.8	6.7	4.1
	11:30	2	1388	21.5	14	12.3	0	0	10.8	6.7	4
	11:45	0	0	21.5	14	3.9	0	0	9.7	6.01	4.1
	12:00	2	1388	22	15	13.1	0	0	10.3	6.39	4.1
	12:15	1.99	1381	22	15	12.5	0	0	10.8	6.7	4.1
	12:30	2.01	1395	22	15	12.4	0	0	10.8	6.7	4.1
	12:45	1.99	1381	22	15	12.2	0	0	10.3	6.39	4.1
	13:00	1.99	1381	22	15	12	0	0	10.8	6.7	4.2
	13:15	2	1388	22	15	12.1	0	0	10.8	6.7	4.1
	13:30	2	1388	22	15	12	0	0	10.8	6.7	4.1
	13:45	1.99	1381	22	15	11.8	0	0	10.8	6.7	4.1
	14:00	2.02	1402	22	15	12.2	0	0	10.8	6.7	4.1
	14:15	2.01	1395	22	15	12.1	0	0	10.8	6.7	4.1
	14:30	1.98	1374	22	15	11.6	0	0	10.8	6.7	4.1
	14:45	2.01	1395	22	15	11.7	0	0	10.8	6.7	4.1
	15:00	2.01	1395	22	15	11.5	0	0	10.8	6.7	4.1
	15:15	2	1388	22	15	11.6	0	0	10.8	6.7	4.1
	15:30	2	1388	21.5	14	11.5	0	0	11.3	7.01	4.2
	15:45	1.99	1381	22	15	11.3	0	0	10.8	6.7	4.2
	16:00	1.98	1374	22	15	11.3	0	0	10.8	6.7	4.1
	16:15	1.99	1381	22	15	9	0	0	10.8	6.7	4.1
	16:30	2	1388	22	15	12.4	0	0	11.3	7.01	4.1
	16:45	2	1388	22	15	12.2	0	0	11.3	7.01	4.1
	17:00	1.99	1381	22	15	12.1	0	0	11.3	7.01	4.1
	17:15	2	1388	22	15	12.4	0	0	11.3	7.01	4.1
	17:30	0	0	57.9	39	7.1	0	0	11.3	7.01	4.3
	17:45	0	0	26.9	18	4.7	0	0	11.3	7.01	4.2
	18:00	0	0	17.8	12	4.4	0	0	11.3	7.01	4.3
	18:15	0	0	12.9	8.6	4.1	0	0	11.3	7.01	4.2
	18:30	1.9	1319	22	15	9.9	0	0	11.3	7.01	4.1
	18:45	2.01	1395	24.2	16	12.1	0	0	10.8	6.7	5.6
	19:00	2	1388	22	15	12.2	0	0	10.8	6.7	5.5
	19:15	2.01	1395	22	15	12.3	0	0	11.3	7.01	5.5
	19:30	2	1388	22.6	15	12	0	0	10.8	6.7	5.5

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	19:45	2	1388	22	15	11.9	0	0	11.3	7.01	5.5
	20:00	2.02	1402	22.6	15	12	0	0	11.3	7.01	5.5
	20:15	1.98	1374	22	15	11.7	0	0	10.8	6.7	5.5
	20:30	2	1388	22	15	11.9	0	0	11.3	7.01	5.5
	20:45	2.01	1395	22	15	11.9	0	0	11.3	7.01	5.5
	21:00	2.02	1402	22.6	15	11.8	0	0	10.8	6.7	5.5
	21:15	1.98	1374	22	15	11.6	0	0	10.8	6.7	5.5
	21:30	1.99	1381	22	15	11.5	0	0	10.8	6.7	5.5
	21:45	2	1388	22	15	11.5	0	0	11.3	7.01	5.5
	22:00	2.01	1395	22	15	11.6	0	0	10.8	6.7	5.5
	22:15	1.98	1374	22	15	11.7	0	0	11.3	7.01	5.5
	22:30	2.01	1395	22	15	11.5	0	0	10.8	6.7	5.5
	22:45	2	1388	22	15	11.5	0	0	10.8	6.7	5.5
	23:00	2	1388	22	15	11.3	0	0	11.3	7.01	5.5
	23:15	2	1388	22	15	11.3	0	0	10.8	6.7	5.5
	23:30	1.98	1374	22	15	11.1	0	0	10.8	6.7	5.5
	23:45	2	1388	22	15	11	0	0	10.8	6.7	5.5
3/5/2014	0:00	2	1388	22	15	10.8	0	0	11.3	7.01	5.5
	0:15	2	1388	22	15	10.9	0	0	10.8	6.7	5.5
	0:30	2	1388	22	15	10.7	0	0	10.8	6.7	5.5
	0:45	2	1388	22	15	11.1	0	0	11.3	7.01	4.7
	1:00	1.99	1381	22	15	10.7	0	0	10.8	6.7	3.9
	1:15	1.99	1381	22.6	15	10.8	0	0	10.8	6.7	3.8
	1:30	1.98	1374	22	15	12.1	0	0	10.8	6.7	3.8
	1:45	1.98	1374	22	15	12.2	0	0	11.3	7.01	4
	2:00	1.99	1381	22.6	15	12.1	0	0	11.3	7.01	4
	2:15	1.98	1374	22	15	12.2	0	0	10.8	6.7	4.1
	2:30	1.97	1367	22	15	12.1	0	0	10.8	6.7	4.1
	2:45	1.98	1374	22	15	12	0	0	10.8	6.7	4.1
	3:00	1.99	1381	22.6	15	12	0	0	10.8	6.7	4.1
	3:15	1.98	1374	22	15	11.9	0	0	10.8	6.7	4.1
	3:30	1.98	1374	22	15	12.3	0	0	11.3	7.01	4.1
	3:45	1.97	1367	22	15	12.2	0	0	11.3	7.01	4.1
	4:00	1.97	1367	22	15	11.9	0	0	10.8	6.7	4.1
	4:15	1.97	1367	22	15	11.9	0	0	10.8	6.7	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	4:30	1.97	1367	22	15	12	0	0	10.8	6.7	4.1
	4:45	1.96	1360	22	15	12	0	0	10.8	6.7	4.1
	5:00	1.97	1367	22	15	12.1	0	0	10.8	6.7	4.1
	5:15	1.96	1360	22	15	11.9	0	0	10.8	6.7	4.1
	5:30	1.95	1353	22	15	11.9	0	0	10.8	6.7	3.8
	5:45	1.96	1360	22	15	12.1	0	0	11.3	7.01	4.1
	6:00	1.95	1353	22	15	11.7	0	0	10.8	6.7	4.1
	6:15	1.96	1360	22	15	11.8	0	0	10.8	6.7	4.1
	6:30	1.95	1353	22	15	11.8	0	0	10.8	6.7	4.1
	6:45	1.95	1353	22	15	12	0	0	10.8	6.7	4.1
	7:00	1.94	1346	22	15	11.8	0	0	11.3	7.01	4.1
	7:15	1.96	1360	22	15	11.9	0	0	10.8	6.7	4.1
	7:30	1.95	1353	22	15	11.8	0	0	10.8	6.7	4.1
	7:45	1.95	1353	22	15	11.9	0	0	11.3	7.01	4.1
	8:00	1.94	1346	22	15	11.7	0	0	10.8	6.7	4.1
	8:15	1.93	1339	22	15	11.7	0	0	11.3	7.01	4.2
	8:30	1.94	1346	22	15	11.7	0	0	10.8	6.7	4.2
	8:45	1.94	1346	24.2	16	11.7	0	0	10.8	6.7	4.2
	9:00	1.95	1353	24.2	16	3.9	0	0	10.8	6.7	4.2
	9:15	1.96	1360	22	15	3.9	0	0	10.8	6.7	4.2
	9:30	1.92	1332	22	15	11.8	0	0	10.8	6.7	4.2
	9:45	1.93	1339	22	15	11.8	0	0	11.3	7.01	4.3
	10:00	0	0	22	15	4.7	0	0	11.3	7.01	4.1
	10:15	0	0	40.2	27	5.4	0	0	11.3	7.01	4.1
	10:30	1.05	729	33.8	23	6.8	0	0	10.8	6.7	3.7
	10:45	2	1388	24.2	16	12.6	0	0	10.8	6.7	4.1
	11:00	2	1388	24.2	16	12.6	0	0	10.8	6.7	4.1
	11:15	2.01	1395	24.2	16	12.5	0	0	10.8	6.7	4.1
	11:30	2.01	1395	24.7	17	12.4	0	0	10.8	6.7	4.1
	11:45	2	1388	24.7	17	12.2	0	0	11.3	7.01	4.1
	12:00	2	1388	24.7	17	11.8	0	0	11.3	7.01	4.1
	12:15	2	1388	24.2	16	12	0	0	10.8	6.7	4.1
	12:30	2	1388	22	15	12.1	0	0	10.8	6.7	4.1
	12:45	1.99	1381	24.2	16	12	0	0	10.8	6.7	4.1
	13:00	2	1388	24.2	16	12.1	0	0	11.3	7.01	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	13:15	2	1388	24.2	16	11.8	0	0	11.3	7.01	4.1
	13:30	2.01	1395	24.7	17	11.6	0	0	11.3	7.01	4.1
	13:45	2.01	1395	24.7	17	12.2	0	0	11.3	7.01	4.1
	14:00	1.99	1381	24.7	17	11.7	0	0	10.8	6.7	4.1
	14:15	2.01	1395	24.2	16	11.9	0	0	10.8	6.7	4.1
	14:30	2	1388	24.2	16	11.6	0	0	11.3	7.01	4.1
	14:45	1.99	1381	24.2	16	11.6	0	0	11.3	7.01	4.1
	15:00	2	1388	24.2	16	11.5	0	0	11.3	7.01	4.1
	15:15	2	1388	24.7	17	11.5	0	0	11.3	7.01	4.1
	15:30	1.99	1381	24.2	16	11.4	0	0	11.3	7.01	4.1
	15:45	1.99	1381	24.7	17	11.6	0	0	11.3	7.01	4.1
	16:00	1.99	1381	24.7	17	11.2	0	0	11.3	7.01	4.1
	16:15	1.98	1374	24.7	17	10.4	0	0	11.3	7.01	4.1
	16:30	1.98	1374	24.7	17	12	0	0	11.3	7.01	4.1
	16:45	1.99	1381	24.2	16	12.2	0	0	11.3	7.01	4.1
	17:00	1.98	1374	24.2	16	12.1	0	0	11.3	7.01	4.1
	17:15	1.97	1367	24.2	16	12	0	0	11.3	7.01	4.1
	17:30	0	0	53.6	36	7.1	0	0	11.3	7.01	4.3
	17:45	0	0	29	19	4.8	0	0	11.3	7.01	4.3
	18:00	0	0	17.8	12	4.4	0	0	11.3	7.01	3.9
	18:15	0	0	15.6	10	4.1	0	0	11.3	7.01	3.7
	18:30	1.5	1041	19.9	13	7.4	0	0	11.3	7.01	3.9
	18:45	2	1388	24.2	16	12.5	0	0	11.3	7.01	4.3
	19:00	2	1388	24.7	17	12.4	0	0	11.9	7.38	4.2
	19:15	1.99	1381	24.7	17	12	0	0	11.3	7.01	4.2
	19:30	2.01	1395	24.7	17	12.2	0	0	11.9	7.38	4.2
	19:45	1.99	1381	24.7	17	12.1	0	0	11.3	7.01	4.2
	20:00	2	1388	24.7	17	11.9	0	0	11.3	7.01	4.2
	20:15	2.01	1395	24.2	16	11.9	0	0	11.3	7.01	4.2
	20:30	1.98	1374	22	15	11.8	0	0	11.3	7.01	4.2
	20:45	2	1388	22	15	12.1	0	0	11.3	7.01	4.2
	21:00	2	1388	22	15	11.7	0	0	11.3	7.01	4.2
	21:15	2	1388	22.6	15	11.6	0	0	11.3	7.01	4.2
	21:30	2	1388	22	15	11.6	0	0	11.3	7.01	4.2
	21:45	2.01	1395	22	15	11.8	0	0	11.3	7.01	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	22:00	2	1388	22	15	11.9	0	0	11.3	7.01	4.2
	22:15	2	1388	22	15	11.7	0	0	11.3	7.01	4.2
	22:30	1.98	1374	22	15	11.4	0	0	11.3	7.01	4.2
	22:45	1.99	1381	22	15	11.7	0	0	11.3	7.01	4.2
	23:00	1.99	1381	22	15	11.7	0	0	11.3	7.01	4.2
	23:15	1.98	1374	22.6	15	11.5	0	0	11.3	7.01	4.2
	23:30	1.99	1381	22.6	15	11.6	0	0	11.3	7.01	4.2
	23:45	1.98	1374	22	15	11.2	0	0	11.3	7.01	4.2
3/6/2014	0:00	1.98	1374	22	15	11.3	0	0	11.3	7.01	4.2
	0:15	1.98	1374	22	15	11	0	0	9.2	5.7	4.2
	0:30	1.97	1367	22	15	11.1	0	0	11.3	7.01	4.2
	0:45	1.97	1367	22.6	15	10.8	0	0	11.3	7.01	4.2
	1:00	1.97	1367	22.6	15	11	0	0	8.7	5.39	4.2
	1:15	1.98	1374	22	15	10.6	0	0	11.3	7.01	4.2
	1:30	1.95	1353	22	15	9.9	0	0	11.3	7.01	4.2
	1:45	1.96	1360	24.7	17	12.1	0	0	11.3	7.01	4.2
	2:00	1.97	1367	24.7	17	12.1	0	0	11.3	7.01	4.2
	2:15	1.97	1367	22.6	15	11.9	0	0	8.7	5.39	4.2
	2:30	1.96	1360	24.7	17	11.9	0	0	9.2	5.7	4.2
	2:45	1.95	1353	24.7	17	12	0	0	10.3	6.39	4.2
	3:00	1.95	1353	22.6	15	11.8	0	0	11.3	7.01	4.4
	3:15	1.96	1360	24.2	16	12	0	0	11.3	7.01	4.2
	3:30	1.95	1353	24.7	17	11.8	0	0	9.2	5.7	4.2
	3:45	1.95	1353	24.7	17	11.9	0	0	8.7	5.39	4.2
	4:00	1.95	1353	24.7	17	11.8	0	0	9.2	5.7	4.2
	4:15	1.94	1346	24.7	17	11.8	0	0	11.3	7.01	4.2
	4:30	1.94	1346	24.7	17	11.8	0	0	11.3	7.01	4.2
	4:45	1.94	1346	24.7	17	11.8	0	0	11.3	7.01	4.2
	5:00	1.94	1346	24.7	17	11.8	0	0	11.3	7.01	4.2
	5:15	1.94	1346	24.7	17	11.8	0	0	11.3	7.01	4.2
	5:30	1.93	1339	24.7	17	11.6	0	0	11.3	7.01	4.2
	5:45	1.93	1339	24.7	17	11.7	0	0	11.3	7.01	4.2
	6:00	1.93	1339	24.2	16	11.7	0	0	11.3	7.01	4.2
	6:15	1.94	1346	24.7	17	11.8	0	0	11.3	7.01	4.2
	6:30	1.93	1339	24.2	16	12	0	0	9.2	5.7	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	6:45	1.93	1339	24.2	16	11.7	0	0	9.2	5.7	4.2
	7:00	1.93	1339	24.2	16	11.7	0	0	9.2	5.7	4.2
	7:15	1.92	1332	24.2	16	11.6	0	0	11.3	7.01	4.2
	7:30	1.93	1339	24.7	17	11.6	0	0	8.7	5.39	4.2
	7:45	1.92	1332	24.7	17	11.7	0	0	9.2	5.7	4.2
	8:00	1.92	1332	24.2	16	11.5	0	0	9.2	5.7	4.2
	8:15	1.92	1332	24.2	16	11.8	0	0	9.2	5.7	4.2
	8:30	1.93	1339	24.7	17	11.7	0	0	9.2	5.7	4.2
	8:45	1.92	1332	24.7	17	11.7	0	0	9.2	5.7	4.2
	9:00	1.93	1339	26.9	18	3.8	0	0	9.2	5.7	4.2
	9:15	1.92	1332	24.7	17	11.6	0	0	8.7	5.39	4.2
	9:30	1.92	1332	26.9	18	11.7	0	0	9.2	5.7	4.2
	9:45	1.92	1332	29	19	11.7	0.18	125	9.2	5.7	5.6
	10:00	0	0	65.4	44	6.2	0	0	9.2	5.7	4.2
	10:15	0	0	26.9	18	4.5	0	0	9.2	5.7	4.2
	10:30	2	1388	29	19	12.5	0	0	9.2	5.7	4
	10:45	2	1388	29	19	12.6	0	0	9.2	5.7	4.1
	11:00	2	1388	26.9	18	12.4	0	0	9.2	5.7	4.1
	11:15	1.99	1381	26.3	18	12.5	0	0	9.2	5.7	4.1
	11:30	1.99	1381	26.9	18	12.2	0	0	9.2	5.7	4.1
	11:45	1.98	1374	26.9	18	12.1	0	0	9.2	5.7	4.1
	12:00	1.99	1381	26.9	18	12.1	0	0	9.2	5.7	4.1
	12:15	1.97	1367	26.3	18	11.6	0	0	9.2	5.7	4.1
	12:30	1.97	1367	26.9	18	11.6	0	0	8.7	5.39	4.1
	12:45	1.98	1374	26.9	18	11.7	0	0	9.2	5.7	4.1
	13:00	1.98	1374	26.9	18	11.7	0	0	9.2	5.7	4.1
	13:15	1.99	1381	26.9	18	11.7	0	0	9.2	5.7	4.1
	13:30	1.99	1381	26.9	18	11.7	0	0	9.2	5.7	4.1
	13:45	1.98	1374	26.3	18	11.6	0	0	9.2	5.7	4.1
	14:00	1.98	1374	26.9	18	11.8	0	0	9.2	5.7	4.1
	14:15	1.99	1381	26.9	18	11.8	0	0	9.2	5.7	4.1
	14:30	1.99	1381	26.3	18	11.8	0	0	9.2	5.7	4.1
	14:45	1.98	1374	26.9	18	11.6	0	0	9.2	5.7	4.1
	15:00	1.98	1374	26.9	18	11.6	0	0	9.2	5.7	4.1
	15:15	1.98	1374	26.9	18	11.4	0	0	9.2	5.7	4.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	15:30	1.98	1374	29	19	11.4	0	0	9.2	5.7	4.1
	15:45	1.99	1381	29	19	11.4	0	0	9.2	5.7	4.1
	16:00	1.97	1367	29	19	11.2	0	0	9.2	5.7	4.1
	16:15	1.97	1367	29	19	11.3	0	0	9.7	6.01	4.1
	16:30	1.96	1360	26.9	18	11.1	0	0	9.2	5.7	4.1
	16:45	1.96	1360	26.9	18	10.8	0	0	9.2	5.7	4.1
	17:00	1.95	1353	29	19	10.9	0	0	9.7	6.01	4.1
	17:15	1.96	1360	26.9	18	12.2	0	0	9.2	5.7	4.1
	17:30	1.95	1353	26.9	18	12.1	0	0	9.2	5.7	4.1
	17:45	1.95	1353	26.9	18	12	0	0	9.7	6.01	4.1
	18:00	1.95	1353	26.9	18	12	0	0	9.7	6.01	4.1
	18:15	1.93	1339	26.9	18	12	0	0	9.2	5.7	4.1
	18:30	1.93	1339	26.9	18	11.8	0	0	9.2	5.7	4.1
	18:45	1.92	1332	26.9	18	11.7	0	0	9.7	6.01	4.1
	19:00	1.92	1332	26.9	18	11.8	0	0	9.7	6.01	4.1
	19:15	1.9	1319	26.9	18	11.7	0	0	9.7	6.01	4.1
	19:30	1.9	1319	26.9	18	11.6	0	0	9.7	6.01	4.1
	19:45	1.91	1326	26.9	18	11.6	0	0	9.2	5.7	4.1
	20:00	1.91	1326	26.9	18	11.6	0	0	9.7	6.01	4.2
	20:15	1.91	1326	27.4	18	11.7	0	0	9.7	6.01	4.1
	20:30	1.91	1326	26.9	18	11.7	0	0	9.7	6.01	4.1
	20:45	1.9	1319	27.4	18	11.6	0	0	9.7	6.01	4.1
	21:00	1.9	1319	26.9	18	11.5	0	0	9.7	6.01	4.1
	21:15	1.91	1326	26.9	18	11.7	0	0	9.2	5.7	4.1
	21:30	1.9	1319	26.9	18	11.6	0	0	9.7	6.01	4.1
	21:45	1.89	1312	26.9	18	11.7	0	0	9.7	6.01	4.1
	22:00	1.9	1319	26.9	18	11.8	0	0	9.7	6.01	4.1
	22:15	1.9	1319	26.9	18	11.6	0	0	9.2	5.7	4.2
	22:30	1.9	1319	26.9	18	11.6	0	0	9.7	6.01	4.2
	22:45	1.89	1312	26.9	18	11.6	0	0	9.7	6.01	4.1
	23:00	1.9	1319	26.9	18	11.7	0	0	9.7	6.01	4.1
	23:15	1.89	1312	26.9	18	11.7	0	0	9.7	6.01	4.1
	23:30	1.9	1319	26.9	18	11.5	0	0	9.7	6.01	4.2
	23:45	1.89	1312	26.9	18	11.5	0	0	9.7	6.01	4.2
3/7/2014	0:00	1.89	1312	26.9	18	11.5	0	0	9.7	6.01	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	0:15	1.89	1312	26.9	18	11.5	0	0	9.2	5.7	4.2
	0:30	1.88	1305	26.9	18	11.5	0	0	9.7	6.01	4.2
	0:45	1.87	1298	26.9	18	11.4	0	0	9.7	6.01	4.2
	1:00	1.88	1305	26.9	18	11.5	0	0	9.2	5.7	4.1
	1:15	1.88	1305	26.9	18	11.4	0	0	9.7	6.01	4.1
	1:30	1.88	1305	26.9	18	6.5	0	0	9.7	6.01	4.2
	1:45	1.88	1305	26.9	18	11.4	0	0	9.7	6.01	4.2
	2:00	1.88	1305	26.9	18	11.5	0	0	9.2	5.7	4.2
	2:15	1.87	1298	26.9	18	11.5	0	0	9.7	6.01	4.2
	2:30	1.88	1305	26.9	18	11.5	0	0	9.2	5.7	4.2
	2:45	1.87	1298	26.9	18	11.5	0	0	9.2	5.7	4.2
	3:00	1.88	1305	26.9	18	11.2	0	0	9.2	5.7	4.2
	3:15	1.89	1312	26.9	18	11.5	0	0	9.7	6.01	4.2
	3:30	0	0	26.9	18	5.4	0	0	9.7	6.01	4.4
	3:45	0	0	58.4	39	5.3	0	0	9.7	6.01	4.4
	4:00	1.97	1367	29	19	12.7	0	0	9.7	6.01	3.9
	4:15	1.95	1353	26.9	18	12.2	0	0	9.2	5.7	4
	4:30	1.95	1353	26.9	18	12.1	0	0	9.2	5.7	4.1
	4:45	1.95	1353	26.9	18	12.1	0	0	9.7	6.01	4.1
	5:00	1.94	1346	26.3	18	11.9	0	0	9.7	6.01	4.2
	5:15	1.94	1346	26.9	18	11.9	0	0	9.2	5.7	4.2
	5:30	1.94	1346	26.9	18	11.7	0	0	9.7	6.01	4.2
	5:45	1.94	1346	26.3	18	11.7	0	0	9.2	5.7	4.2
	6:00	1.94	1346	26.9	18	11.6	0	0	9.2	5.7	4.2
	6:15	1.93	1339	26.9	18	11.5	0	0	9.2	5.7	4.2
	6:30	1.93	1339	26.3	18	11.4	0	0	9.7	6.01	4.2
	6:45	1.93	1339	26.9	18	11.3	0	0	9.2	5.7	4.2
	7:00	1.91	1326	26.9	18	11.3	0	0	9.7	6.01	4.2
	7:15	1.92	1332	26.9	18	11.2	0	0	9.7	6.01	4.2
	7:30	1.92	1332	26.9	18	11	0	0	9.2	5.7	4.2
	7:45	1.91	1326	26.9	18	11.1	0	0	9.2	5.7	4.2
	8:00	1.91	1326	26.9	18	11.4	0	0	9.7	6.01	4.2
	8:15	1.91	1326	26.3	18	11.4	0	0	9.2	5.7	4.2
	8:30	1.92	1332	27.4	18	11.1	0	0	9.7	6.01	4.2
	8:45	1.92	1332	26.9	18	11	0	0	9.7	6.01	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	9:00	1.9	1319	26.9	18	3.7	0	0	9.7	6.01	4.2
	9:15	1.91	1326	24.7	17	3.8	0	0	9.2	5.7	4.2
	9:30	1.89	1312	24.2	16	11.6	0	0	9.7	6.01	4.2
	9:45	1.91	1326	26.9	18	11.7	0	0	9.2	5.7	4.2
	10:00	1.91	1326	26.9	18	11.6	0	0	9.2	5.7	4.2
	10:15	1.91	1326	27.4	18	11.8	0.18	125	9.7	6.01	5.5
	10:30	0	0	58.4	39	5.9	0	0	9.7	6.01	4.3
	10:45	0	0	31.7	21	4.5	0	0	9.7	6.01	3.8
	11:00	1.96	1360	26.9	18	12.4	0	0	9.2	5.7	4.1
	11:15	1.95	1353	26.9	18	12.2	0	0	9.7	6.01	4.1
	11:30	1.96	1360	26.9	18	12.2	0	0	9.7	6.01	4.1
	11:45	1.96	1360	26.9	18	12.1	0	0	9.7	6.01	4.1
	12:00	1.95	1353	26.9	18	12	0	0	9.7	6.01	4.1
	12:15	1.96	1360	26.9	18	11.8	0	0	9.7	6.01	4.1
	12:30	1.94	1346	26.9	18	11.8	0	0	9.7	6.01	4.1
	12:45	1.94	1346	27.4	18	11.7	0	0	9.7	6.01	4.1
	13:00	1.95	1353	26.9	18	11.6	0	0	9.2	5.7	4.1
	13:15	1.94	1346	26.9	18	11.4	0	0	9.7	6.01	4.1
	13:30	1.96	1360	26.9	18	11.7	0	0	9.7	6.01	4.1
	13:45	1.93	1339	22	15	11.4	0	0	9.7	6.01	3.9
	14:00	1.93	1339	27.4	18	11.5	0	0	9.7	6.01	4.1
	14:15	1.96	1360	26.9	18	11.5	0	0	9.7	6.01	4.1
	14:30	1.94	1346	26.9	18	11.3	0	0	9.7	6.01	4.1
	14:45	1.94	1346	26.9	18	11.4	0	0	9.7	6.01	4.1
	15:00	1.95	1353	26.9	18	11.5	0	0	9.7	6.01	4.1
	15:15	1.94	1346	26.9	18	11.4	0	0	10.3	6.39	4.1
	15:30	1.94	1346	27.4	18	11.5	0	0	9.7	6.01	4.1
	15:45	1.94	1346	27.4	18	11.4	0	0	9.7	6.01	4.1
	16:00	1.95	1353	26.9	18	11.3	0	0	9.7	6.01	4.1
	16:15	1.95	1353	26.9	18	11.5	0	0	9.7	6.01	4.1
	16:30	1.94	1346	26.9	18	11.2	0	0	10.3	6.39	4.1
	16:45	1.94	1346	26.9	18	11	0	0	9.7	6.01	4.1
	17:00	1.94	1346	26.9	18	11.2	0	0	9.7	6.01	4.1
	17:15	0	0	24.7	17	3.1	2.01	1395	9.7	6.01	13.2
	17:30	0	0	24.7	17	3	2	1388	9.7	6.01	13.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	17:45	0	0	24.7	17	2.8	2	1388	10.3	6.39	13
	18:00	0	0	24.7	17	2.8	1.99	1381	9.7	6.01	12.8
	18:15	0	0	22.6	15	2.9	1.99	1381	9.7	6.01	12.9
	18:30	0	0	22.6	15	2.9	1.99	1381	10.3	6.39	12.9
	18:45	0	0	22.6	15	3	2	1388	9.7	6.01	13.1
	19:00	0	0	22	15	3	1.81	1256	9.7	6.01	11.4
	19:15	0	0	22.6	15	3.1	1.8	1249	9.7	6.01	11.6
	19:30	0	0	4.4	2.9	3.1	1.79	1242	9.2	5.7	11.4
	19:45	0	0	0	0	3.2	1.8	1249	9.7	6.01	11.7
	20:00	0	0	0.1	0.1	3.2	1.82	1263	9.7	6.01	11.3
	20:15	0	0	0	0	3.3	1.8	1249	9.2	5.7	11.3
	20:30	0	0	0.1	0.1	3.3	1.8	1249	9.7	6.01	11.3
	20:45	0	0	0.1	0.1	3.3	1.81	1256	9.7	6.01	11.7
	21:00	0	0	0	0	3.3	1.81	1256	9.7	6.01	11.3
	21:15	0	0	0.1	0.1	3.3	1.8	1249	9.2	5.7	11.6
	21:30	0	0	0.1	0.1	3.3	1.8	1249	9.7	6.01	11.6
	21:45	0	0	0	0	3.3	1.81	1256	9.2	5.7	11.5
	22:00	0	0	0	0	3.3	1.79	1242	9.2	5.7	11.4
	22:15	0	0	0	0	3.3	1.81	1256	9.2	5.7	11.6
	22:30	0	0	0	0	3.3	1.8	1249	9.2	5.7	11.5
	22:45	0	0	0.1	0.1	3.3	1.79	1242	9.7	6.01	11.3
	23:00	0	0	0.1	0.1	3.3	1.78	1235	9.7	6.01	11.4
	23:15	0	0	0	0	3.3	1.78	1235	9.7	6.01	11.3
	23:30	0	0	0	0	3.3	1.8	1249	9.7	6.01	11.4
	23:45	0	0	2.2	1.5	3.4	0	0	9.7	6.01	3.3
3/8/2014	0:00	1.8	1249	29	19	10.6	0	0	9.7	6.01	4
	0:15	1.8	1249	29	19	10.3	0	0	9.7	6.01	4.2
	0:30	1.78	1235	29.5	20	9.9	0	0	9.7	6.01	4.3
	0:45	1.81	1256	29	19	10.2	0	0	9.7	6.01	4.3
	1:00	1.79	1242	29	19	9.8	0	0	10.3	6.39	4.3
	1:15	1.8	1249	29.5	20	9.8	0	0	9.7	6.01	4.3
	1:30	1.8	1249	29.5	20	9	0	0	9.7	6.01	4.3
	1:45	1.8	1249	29.5	20	11	0	0	9.7	6.01	4.3
	2:00	1.81	1256	29.5	20	11.1	0	0	9.7	6.01	4.3
	2:15	1.8	1249	29.5	20	10.8	0	0	10.3	6.39	4.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	2:30	0	0	29.5	20	3.7	1.79	1242	10.3	6.39	12
	2:45	0	0	29.5	20	3.3	1.82	1263	9.7	6.01	11.9
	3:00	0	0	26.9	18	3.5	1.79	1242	9.7	6.01	11.7
	3:15	0	0	27.4	18	3.7	1.81	1256	9.7	6.01	11.9
	3:30	0	0	26.9	18	3.7	1.81	1256	9.7	6.01	11.7
	3:45	0	0	27.4	18	3.8	1.82	1263	9.7	6.01	11.9
	4:00	0	0	24.7	17	3.9	1.81	1256	9.7	6.01	11.8
	4:15	0	0	24.7	17	4	1.81	1256	9.7	6.01	11.8
	4:30	0	0	24.7	17	4	1.8	1249	9.7	6.01	11.6
	4:45	0	0	2.2	1.5	4.1	1.81	1256	9.7	6.01	11.8
	5:00	0	0	0	0	4.2	1.81	1256	9.7	6.01	11.8
	5:15	0	0	0	0	4.2	1.8	1249	9.7	6.01	11.5
	5:30	0	0	0.1	0.1	4.3	1.81	1256	9.7	6.01	3.6
	5:45	0	0	0.1	0.1	4.3	1.79	1242	9.7	6.01	11.3
	6:00	0	0	0	0	4.3	1.79	1242	9.7	6.01	11.2
	6:15	0	0	0	0	4.3	1.79	1242	9.7	6.01	11.3
	6:30	0	0	0	0	4.3	1.79	1242	9.7	6.01	11.6
	6:45	0	0	0	0	4.3	1.82	1263	9.7	6.01	11.7
	7:00	0	0	2.2	1.5	4.3	1.8	1249	9.7	6.01	11.4
	7:15	0	0	2.2	1.5	4.3	1.8	1249	9.7	6.01	11.7
	7:30	0	0	0.1	0.1	4.3	1.8	1249	9.7	6.01	11.4
	7:45	0	0	0.1	0.1	4.3	1.79	1242	9.7	6.01	11.5
	8:00	0	0	0.1	0.1	4.3	1.79	1242	9.7	6.01	11.7
	8:15	0	0	0.1	0.1	4.3	1.79	1242	9.7	6.01	11.7
	8:30	0	0	0.1	0.1	4.3	1.8	1249	9.7	6.01	11.4
	8:45	0	0	0.1	0.1	4.3	1.82	1263	9.7	6.01	11.7
	9:00	0	0	0	0	4.2	1.81	1256	9.7	6.01	11.5
	9:15	0	0	0.1	0.1	4.2	1.78	1235	9.7	6.01	11.4
	9:30	0	0	0.1	0.1	4.2	1.81	1256	9.7	6.01	11.5
	9:45	0	0	0	0	4.2	1.8	1249	9.7	6.01	11.6
	10:00	0	0	0	0	4.2	1.82	1263	9.7	6.01	11.6
	10:15	0	0	0	0	4.2	1.82	1263	9.7	6.01	11.6
	10:30	0	0	0	0	4.1	1.79	1242	9.7	6.01	11.2
	10:45	0	0	0	0	4.1	1.81	1256	9.7	6.01	11.4
	11:00	0	0	0.1	0.1	4.1	1.78	1235	9.7	6.01	11.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	11:15	0	0	0	0	4.1	1.8	1249	9.2	5.7	11.5
	11:30	0	0	0.1	0.1	4.1	1.81	1256	9.7	6.01	11.5
	11:45	0	0	0	0	4.1	1.8	1249	9.7	6.01	11.4
	12:00	0	0	0	0	4.1	1.8	1249	9.7	6.01	11.3
	12:15	0	0	0	0	4.1	1.8	1249	9.7	6.01	11.6
	12:30	0	0	0	0	4.1	1.79	1242	9.7	6.01	11.4
	12:45	0	0	0	0	4	1.81	1256	9.7	6.01	11.6
	13:00	0	0	0	0	4	1.81	1256	9.7	6.01	11.5
	13:15	0	0	0.1	0.1	4	1.78	1235	9.7	6.01	11.6
	13:30	0	0	0	0	4	1.8	1249	9.7	6.01	11.5
	13:45	0	0	0	0	4	1.8	1249	9.7	6.01	11.4
	14:00	0	0	0	0	4	1.81	1256	9.7	6.01	11.4
	14:15	0	0	0	0	3.9	1.8	1249	9.7	6.01	11.4
	14:30	0	0	0	0	3.9	1.8	1249	9.7	6.01	11.6
	14:45	0	0	0	0	3.9	1.82	1263	9.7	6.01	11.4
	15:00	0	0	0	0	3.9	1.8	1249	9.7	6.01	11.3
	15:15	0	0	0.1	0.1	3.9	1.79	1242	9.2	5.7	11.2
	15:30	0	0	0.1	0.1	3.9	1.82	1263	9.7	6.01	11.5
	15:45	0	0	0	0	3.9	1.8	1249	9.7	6.01	11.4
	16:00	0	0	0	0	3.9	1.81	1256	9.7	6.01	11.7
	16:15	0	0	0	0	3.8	1.81	1256	9.7	6.01	11.6
	16:30	0	0	0	0	3.8	1.79	1242	9.7	6.01	11.3
	16:45	0	0	0	0	3.8	1.79	1242	9.7	6.01	11.6
	17:00	0	0	0.1	0.1	3.8	1.8	1249	9.7	6.01	11.6
	17:15	0	0	0	0	3.8	1.78	1235	9.7	6.01	11.3
	17:30	0	0	0	0	3.8	1.8	1249	9.7	6.01	11.3
	17:45	0	0	0	0	3.8	1.8	1249	9.7	6.01	11.4
	18:00	0	0	0.1	0.1	3.8	1.79	1242	9.7	6.01	11.3
	18:15	0	0	0	0	3.8	1.79	1242	9.7	6.01	11.3
	18:30	0	0	0	0	3.7	1.8	1249	9.7	6.01	11.3
	18:45	0	0	0	0	3.7	1.79	1242	9.7	6.01	11.3
	19:00	0	0	0.1	0.1	3.7	1.81	1256	9.7	6.01	11.5
	19:15	0	0	0	0	3.7	1.81	1256	9.7	6.01	11.3
	19:30	0	0	0	0	3.7	1.81	1256	9.7	6.01	11.5
	19:45	0	0	0	0	3.7	1.79	1242	9.7	6.01	11.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	20:00	0	0	0	0	3.7	1.8	1249	9.7	6.01	11.6
	20:15	0	0	0	0	3.7	1.81	1256	9.7	6.01	11.6
	20:30	0	0	0	0	3.7	1.78	1235	9.7	6.01	11.2
	20:45	0	0	0	0	3.7	1.81	1256	9.7	6.01	11.3
	21:00	1.24	861	194	130	8.1	0	0	9.7	6.01	3.6
	21:15	1.8	1249	29	19	11.2	0	0	9.7	6.01	4.1
	21:30	1.8	1249	29	19	10.7	0	0	9.7	6.01	4.2
	21:45	1.8	1249	29	19	10.7	0	0	9.7	6.01	4.3
	22:00	1.79	1242	29	19	10.8	0	0	9.7	6.01	4.3
	22:15	1.81	1256	29	19	10.8	0	0	9.7	6.01	4.3
	22:30	1.79	1242	29	19	10.6	0	0	9.7	6.01	4.3
	22:45	1.78	1235	29	19	10.3	0	0	9.7	6.01	4.3
	23:00	1.79	1242	29	19	10.4	0	0	9.7	6.01	4.3
	23:15	1.81	1256	29	19	10.6	0	0	9.7	6.01	4.3
	23:30	1.8	1249	29	19	10.4	0	0	9.7	6.01	4.3
	23:45	1.81	1256	29	19	5.6	0	0	9.7	6.01	4.3
3/9/2014	0:00	1.8	1249	29	19	11	0	0	9.7	6.01	4.3
	0:15	1.79	1242	29	19	10.7	0	0	9.7	6.01	4.3
	0:30	1.8	1249	29	19	11.1	0	0	9.7	6.01	4.3
	0:45	1.79	1242	29	19	11	0	0	9.7	6.01	4.3
	1:00	1.81	1256	29	19	11.1	0	0	9.7	6.01	4.3
	1:15	1.79	1242	29	19	10.8	0	0	9.7	6.01	4.3
	1:30	1.79	1242	24.2	16	10.9	0	0	9.7	6.01	4.4
	1:45	1.8	1249	24.7	17	10.8	0	0	9.7	6.01	4.4
	2:00	1.81	1256	29	19	10.9	0	0	9.7	6.01	4.3
	2:15	1.81	1256	29	19	10.9	0	0	9.7	6.01	4.3
	2:30	1.81	1256	29	19	11.1	0	0	9.7	6.01	4.3
	2:45	1.81	1256	29	19	10.8	0	0	10.3	6.39	4.3
	3:00	1.8	1249	29	19	11.1	0	0	9.7	6.01	4.3
	3:15	1.8	1249	29	19	11	0	0	9.7	6.01	4.3
	3:30	1.8	1249	28.5	19	10.8	0	0	9.7	6.01	4.3
	3:45	1.8	1249	29	19	10.7	0	0	9.7	6.01	4.3
	4:00	1.78	1235	29	19	10.8	0	0	9.7	6.01	4.3
	4:15	1.79	1242	29	19	10.9	0	0	9.7	6.01	4.3
	4:30	1.81	1256	26.3	18	11.1	0	0	9.7	6.01	4.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	4:45	1.8	1249	24.2	16	10.8	0	0	9.7	6.01	4.3
	5:00	1.8	1249	24.2	16	11	0	0	9.7	6.01	4.3
	5:15	1.8	1249	26.9	18	11.2	0	0	9.7	6.01	4.2
	5:30	1.79	1242	26.9	18	11.2	0	0	9.7	6.01	4.2
	5:45	1.8	1249	26.3	18	11.2	0	0	9.7	6.01	4.2
	6:00	1.8	1249	26.9	18	10.9	0	0	9.7	6.01	4.2
	6:15	0	0	69.7	47	7.2	1.8	1249	9.7	6.01	11.9
	6:30	0	0	67.5	45	5.7	1.8	1249	9.7	6.01	11.9
	6:45	0	0	164	110	5.7	1.8	1249	9.7	6.01	11.6
	7:00	0	0	167	112	5.7	1.79	1242	9.7	6.01	11.9
	7:15	0	0	167	112	5.7	1.8	1249	9.7	6.01	9.6
	7:30	0	0	169	113	5.7	1.79	1242	9.7	6.01	11.5
	7:45	0	0	164	110	5.7	1.78	1235	9.7	6.01	11.6
	8:00	0	0	167	112	5.6	1.79	1242	9.7	6.01	11.4
	8:15	0	0	167	112	5.6	1.8	1249	9.7	6.01	11.5
	8:30	0	0	164	110	5.6	1.81	1256	9.2	5.7	11.5
	8:45	0	0	183	123	5.6	1.81	1256	9.7	6.01	11.6
	9:00	0	0	176	118	3.7	0	0	9.7	6.01	7.3
	9:15	0	0	169	113	3.7	1.78	1235	9.7	6.01	11.7
	9:30	0	0	164	110	3.3	1.81	1256	9.7	6.01	11.9
	9:45	0	0	167	112	3.5	1.81	1256	9.7	6.01	11.9
	10:00	0	0	169	113	3.6	1.82	1263	9.7	6.01	11.7
	10:15	0	0	169	113	3.6	1.8	1249	9.2	5.7	11.7
	10:30	0	0	174	117	3.6	1.79	1242	9.7	6.01	11.6
	10:45	0	0	174	116	3.6	1.78	1235	9.2	5.7	11.6
	11:00	0	0	176	118	3.5	1.79	1242	9.7	6.01	11.5
	11:15	0	0	176	118	3.5	1.79	1242	9.7	6.01	11.9
	11:30	0	0	176	118	3.5	1.79	1242	9.7	6.01	11.6
	11:45	0	0	178	119	3.5	1.8	1249	9.2	5.7	11.6
	12:00	0	0	178	119	3.5	1.81	1256	9.7	6.01	11.8
	12:15	0	0	178	119	3.5	1.8	1249	9.7	6.01	11.6
	12:30	0	0	180	121	3.4	1.81	1256	9.7	6.01	11.6
	12:45	0	0	180	121	3.4	1.82	1263	9.7	6.01	11.9
	13:00	0	0	178	119	3.4	1.8	1249	9.7	6.01	11.5
	13:15	0	0	178	119	3.4	1.82	1263	9.7	6.01	11.7

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	13:30	0	0	178	119	3.4	1.82	1263	9.7	6.01	11.7
	13:45	0	0	178	119	3.4	1.82	1263	9.7	6.01	11.7
	14:00	0	0	178	119	3.4	1.82	1263	9.7	6.01	11.7
	14:15	0	0	178	119	3.4	1.82	1263	9.7	6.01	11.7
	14:30	0	0	174	117	3.4	1.8	1249	9.7	6.01	11.7
	14:45	0	0	169	113	3.4	1.8	1249	9.7	6.01	11.8
	15:00	0	0	164	110	3.4	1.8	1249	9.7	6.01	11.5
	15:15	0	0	158	106	3.4	1.81	1256	9.7	6.01	11.6
	15:30	0	0	153	103	3.4	1.8	1249	9.7	6.01	11.6
	15:45	0	0	151	101	3.4	1.81	1256	9.7	6.01	11.7
	16:00	0	0	149	100	3.4	1.78	1235	9.7	6.01	11.5
	16:15	0	0	145	97	3.4	1.79	1242	9.7	6.01	11.5
	16:30	0	0	31.1	21	3.5	0	0	9.7	6.01	3.9
	16:45	0	0	29	19	3.6	0	0	10.3	6.39	4.2
	17:00	0	0	29	19	3.7	0	0	9.7	6.01	4.3
	17:15	0	0	29	19	3.8	0	0	10.3	6.39	4.3
	17:30	0	0	6.5	4.4	3.8	0	0	10.3	6.39	4.5
	17:45	1.8	1249	63.2	42	10.8	0	0	9.7	6.01	5.5
	18:00	0	0	26.9	18	3.7	1.8	1249	10.3	6.39	11.5
	18:15	0	0	24.7	17	3	1.8	1249	9.7	6.01	11.7
	18:30	0	0	24.7	17	3.4	1.81	1256	10.3	6.39	11.7
	18:45	0	0	24.2	16	3.6	1.81	1256	10.3	6.39	11.7
	19:00	0	0	22	15	3.6	1.8	1249	10.3	6.39	11.9
	19:15	0	0	22.6	15	3.6	1.81	1256	9.7	6.01	11.7
	19:30	0	0	22.6	15	3.7	1.78	1235	9.7	6.01	11.6
	19:45	0	0	22	15	3.7	1.79	1242	9.7	6.01	11.5
	20:00	0	0	22.6	15	3.8	1.81	1256	10.3	6.39	11.8
	20:15	0	0	6.5	4.4	3.8	1.8	1249	10.3	6.39	11.5
	20:30	0	0	6.5	4.4	3.9	1.78	1235	10.3	6.39	11.4
	20:45	0	0	6.5	4.4	3.9	1.8	1249	10.3	6.39	11.4
	21:00	0	0	6.5	4.4	3.9	1.8	1249	10.3	6.39	11.6
	21:15	0	0	6.5	4.4	3.9	1.81	1256	10.3	6.39	11.5
	21:30	0	0	6.5	4.4	3.9	1.8	1249	10.3	6.39	11.7
	21:45	0	0	6.5	4.4	3.9	1.79	1242	10.3	6.39	11.7
	22:00	0	0	6.5	4.4	4	1.78	1235	9.7	6.01	11.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	22:15	0	0	6.5	4.4	4	1.79	1242	9.7	6.01	11.3
	22:30	0	0	7.1	4.8	3.9	1.81	1256	10.3	6.39	11.6
	22:45	0	0	6.5	4.4	3.9	1.82	1263	9.7	6.01	11.5
	23:00	0	0	6.5	4.4	4.1	0	0	10.3	6.39	3.7
	23:15	1.99	1381	22.6	15	12.2	0	0	10.3	6.39	4.1
	23:30	1.98	1374	22.6	15	11.9	0	0	10.3	6.39	4.3
	23:45	1.97	1367	22.6	15	12	0	0	10.3	6.39	4.3
3/10/2014	0:00	1.98	1374	22	15	12.4	0	0	10.3	6.39	4.3
	0:15	1.99	1381	22.6	15	12.4	0	0	10.3	6.39	4.3
	0:30	1.98	1374	22.6	15	12.9	0	0	10.3	6.39	4.3
	0:45	1.97	1367	22.6	15	12.4	0	0	10.3	6.39	4.3
	1:00	1.98	1374	22.6	15	12.4	0	0	10.3	6.39	4.3
	1:15	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	1:30	1.97	1367	22.6	15	12.4	0	0	10.3	6.39	4.3
	1:45	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	2:00	1.97	1367	22	15	12.9	0	0	10.3	6.39	4.3
	2:15	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	2:30	1.97	1367	22.6	15	12.4	0	0	10.3	6.39	4.3
	2:45	1.97	1367	22.6	15	12.4	0	0	9.7	6.01	4.3
	3:00	1.98	1374	22.6	15	12.4	0	0	10.3	6.39	4.3
	3:15	1.97	1367	22.6	15	12.4	0	0	9.7	6.01	4.3
	3:30	1.96	1360	22.6	15	12.4	0	0	10.3	6.39	4.3
	3:45	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	4:00	1.98	1374	22	15	11.9	0	0	10.3	6.39	4.3
	4:15	1.96	1360	22	15	12.4	0	0	9.7	6.01	4.4
	4:30	1.96	1360	22	15	12.4	0	0	9.7	6.01	4.3
	4:45	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	5:00	1.96	1360	22.6	15	12.4	0	0	10.3	6.39	4.3
	5:15	1.95	1353	22	15	12.4	0	0	9.7	6.01	4.3
	5:30	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	5:45	1.98	1374	22	15	12.4	0	0	9.7	6.01	4.3
	6:00	1.97	1367	22.6	15	12.4	0	0	9.7	6.01	4.3
	6:15	1.98	1374	22.6	15	12.4	0	0	9.7	6.01	4.3
	6:30	1.97	1367	22.6	15	12.4	0	0	10.3	6.39	4.3
	6:45	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	7:00	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	7:15	1.96	1360	22.6	15	12.4	0	0	9.7	6.01	4.3
	7:30	1.96	1360	22.6	15	12.4	0	0	9.7	6.01	4.3
	7:45	1.97	1367	22.6	15	11.9	0	0	10.3	6.39	4.3
	8:00	1.97	1367	22.6	15	11.9	0	0	10.3	6.39	4.3
	8:15	1.97	1367	22.6	15	11.9	0	0	9.7	6.01	4.3
	8:30	1.95	1353	22.6	15	12.4	0	0	9.7	6.01	4.4
	8:45	1.97	1367	22	15	12.4	0	0	10.3	6.39	4.3
	9:00	1.96	1360	22.6	15	11.9	0	0	10.3	6.39	4.3
	9:15	1.96	1360	22.6	15	12.4	0	0	10.3	6.39	4.3
	9:30	0	0	22.6	15	0	1.93	1339	10.3	6.39	12.9
	9:45	0	0	104	70	0	2.01	1395	9.7	6.01	13.1
	10:00	0	0	78.8	53	0	2.01	1395	9.7	6.01	13
	10:15	0	0	158	106	0	1.99	1381	9.2	5.7	12.8
	10:30	0	0	152	102	139	2.01	1395	9.7	6.01	12.9
	10:45	0	0	104	70	124	2	1388	9.7	6.01	12.9
	11:00	0	0	65.4	44	73.4	1.98	1374	9.7	6.01	12.8
	11:15	0	0	104	70	50.9	1.98	1374	9.7	6.01	12.9
	11:30	0	0	154	103	124	2	1388	9.7	6.01	12.9
	11:45	0	0	156	104	113	0	0	9.7	6.01	3.9
	12:00	0	0	158	106	146	2.01	1395	9.7	6.01	13.3
	12:15	0	0	153	103	144	2	1388	9.7	6.01	13
	12:30	0	0	278	186	144	1.99	1381	9.7	6.01	12.7
	12:45	0	0	190	127	215	2	1388	9.7	6.01	12.8
	13:00	0	0	158	106	164	1.98	1374	9.7	6.01	13.1
	13:15	0	0	154	103	146	2.01	1395	9.7	6.01	12.9
	13:30	0	0	154	103	142	1.98	1374	9.7	6.01	12.8
	13:45	0	0	154	103	140	1.99	1381	9.7	6.01	12.7
	14:00	0	0	154	103	139	2.02	1402	9.7	6.01	3.4
	14:15	0	0	151	101	140	2.01	1395	9.7	6.01	13.2
	14:30	0	0	153	103	139	2.01	1395	9.7	6.01	13
	14:45	0	0	154	103	140	2	1388	9.7	6.01	12.9
	15:00	0	0	152	102	137	0	0	9.7	6.01	7.6
	15:15	0	0	152	102	138	0	0	9.7	6.01	4
	15:30	0	0	154	103	142	1.99	1381	9.7	6.01	13.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	15:45	0	0	183	123	147	2.02	1402	9.7	6.01	13.2
	16:00	0	0	203	136	160	2.02	1402	10.3	6.39	13.3
	16:15	0	0	168	112	168	2.01	1395	10.3	6.39	13.1
	16:30	0	0	156	104	154	2	1388	10.3	6.39	13.1
	16:45	0	0	154	103	145	2	1388	10.3	6.39	13
	17:00	0	0	154	103	145	1.99	1381	10.3	6.39	12.8
	17:15	0	0	154	103	145	2	1388	10.3	6.39	12.7
	17:30	0	0	152	102	145	2.01	1395	10.3	6.39	12.8
	17:45	0	0	152	102	145	2.01	1395	10.3	6.39	12.9
	18:00	0	0	154	103	142	2.01	1395	10.3	6.39	13.2
	18:15	0	0	151	101	142	2	1388	10.3	6.39	13.2
	18:30	0	0	152	102	140	1.98	1374	10.3	6.39	12.7
	18:45	0	0	152	102	140	1.99	1381	10.3	6.39	13
	19:00	0	0	152	102	140	1.98	1374	10.3	6.39	12.8
	19:15	0	0	149	100	140	2	1388	10.3	6.39	12.8
	19:30	0	0	149	100	140	2	1388	10.3	6.39	13.1
	19:45	0	0	149	100	140	2	1388	10.3	6.39	12.8
	20:00	0	0	152	102	140	2	1388	10.3	6.39	12.8
	20:15	0	0	149	100	140	1.79	1242	10.3	6.39	11.2
	20:30	0	0	149	100	138	1.62	1124	10.3	6.39	10.3
	20:45	0	0	145	97	140	1.6	1110	10.3	6.39	10.2
	21:00	0	0	147	98	140	1.62	1124	10.3	6.39	10.3
	21:15	0	0	159	106	138	1.59	1103	10.3	6.39	10.1
	21:30	0	0	169	113	138	1.6	1110	10.3	6.39	10.3
	21:45	0	0	174	117	140	1.58	1097	10.3	6.39	10
	22:00	0	0	174	117	145	1.58	1097	10.3	6.39	10.1
	22:15	0	0	174	117	152	1.6	1110	10.3	6.39	10.3
	22:30	0	0	174	117	154	1.62	1124	10.3	6.39	10.2
	22:45	0	0	174	117	158	1.58	1097	9.7	6.01	9.9
	23:00	0	0	174	117	161	1.6	1110	9.7	6.01	10.1
	23:15	0	0	174	117	161	1.59	1103	9.7	6.01	10.2
	23:30	0	0	174	117	160	1.62	1124	9.7	6.01	10.3
	23:45	0	0	174	117	161	1.59	1103	9.7	6.01	10.1
3/11/2014	0:00	0	0	172	115	4.9	1.59	1103	9.7	6.01	10
	0:15	0	0	172	115	4.9	1.62	1124	9.7	6.01	10.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	0:30	0	0	172	115	4.9	1.6	1110	9.7	6.01	10.1
	0:45	0	0	172	115	4.8	0	0	9.7	6.01	5
	1:00	1.59	1103	87.9	59	9.2	0	0	9.7	6.01	9.6
	1:15	1.6	1110	29.5	20	5	0	0	9.7	6.01	4.3
	1:30	1.6	1110	29	19	5	0	0	9.7	6.01	4.2
	1:45	1.8	1249	29.5	20	5.6	0	0	9.7	6.01	4.2
	2:00	1.81	1256	26.9	18	5.7	0	0	9.7	6.01	4.2
	2:15	1.89	1312	24.7	17	6	0	0	9.7	6.01	4.2
	2:30	1.98	1374	22.6	15	6.4	0	0	9.7	6.01	4.2
	2:45	2.01	1395	22.6	15	6.4	0	0	10.3	6.39	4.2
	3:00	2.01	1395	22.6	15	6.4	0	0	10.3	6.39	4.2
	3:15	2.01	1395	22.6	15	6.4	0	0	10.3	6.39	4.2
	3:30	2.01	1395	22.6	15	6.4	0	0	10.3	6.39	4.2
	3:45	2	1388	22.6	15	6.3	0	0	9.7	6.01	4.2
	4:00	2	1388	22.6	15	6.4	0	0	10.3	6.39	4.2
	4:15	2	1388	22.6	15	6.4	0	0	10.3	6.39	4.2
	4:30	2	1388	22.6	15	6.4	0	0	10.3	6.39	4.2
	4:45	2.02	1402	22.6	15	6.5	0	0	10.3	6.39	4.2
	5:00	2	1388	22.6	15	6.3	0	0	10.8	6.7	4.2
	5:15	2.01	1395	22.6	15	6.5	0	0	10.3	6.39	4.2
	5:30	2.01	1395	22.6	15	6.5	0	0	10.8	6.7	4.2
	5:45	2.01	1395	22.6	15	12.5	0	0	10.3	6.39	4.2
	6:00	2.02	1402	22.6	15	12.2	0	0	10.3	6.39	4.2
	6:15	2	1388	22.6	15	12.4	0	0	10.8	6.7	4.2
	6:30	2	1388	22.6	15	12.4	0	0	10.3	6.39	4.2
	6:45	1.99	1381	22	15	12.3	0	0	10.8	6.7	4.2
	7:00	1.99	1381	22.6	15	12.4	0	0	10.3	6.39	4.2
	7:15	2	1388	22.6	15	12.3	0	0	10.8	6.7	4.2
	7:30	2	1388	22.6	15	12.3	0	0	10.8	6.7	4.2
	7:45	2.01	1395	22.6	15	12.3	0	0	10.3	6.39	4.2
	8:00	1.98	1374	22.6	15	12.3	0	0	10.8	6.7	4.2
	8:15	1.99	1381	22.6	15	12.4	0	0	10.3	6.39	4.2
	8:30	2	1388	22.6	15	12.3	0	0	10.3	6.39	4.2
	8:45	1.99	1381	24.7	17	12.3	0	0	10.3	6.39	4.2
	9:00	2.01	1395	22.6	15	12.3	0	0	10.3	6.39	4.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

15 minute data

Date	Time	TCEQ-20J									
		Train 4 Flow (MGD)	Train 4 Flow (gpm)	Train 4 Conductivity	Train 4 TDS	Train 4 Perm. PSI	Train 6 Flow (MGD)	Train 6 Flow (gpm)	Train 6 Conductivity	Train 6 TDS	Train 6 Perm. PSI
	9:15	1.99	1381	24.7	17	4.1	0	0	10.3	6.39	4.2
	9:30	1.99	1381	22.6	15	12.3	0	0	10.3	6.39	4.2
	9:45	1.99	1381	22.6	15	12.4	0	0	10.3	6.39	4.2
	10:00	2	1388	22.6	15	12.3	0.18	125	10.3	6.39	5.6
	10:15	2	1388	22.6	15	12.1	0	0	10.3	6.39	4.1
	10:30	2	1388	22.6	15	12.2	0	0	10.8	6.7	4.1
	10:45	2	1388	22.6	15	12.3	0	0	10.8	6.7	4
	11:00	2	1388	22.6	15	12.3	0	0	10.8	6.7	4
	11:15	2.01	1395	22.6	15	12.2	0	0	10.8	6.7	4
	11:30	2	1388	22.6	15	12.3	0	0	10.8	6.7	4
	11:45	2	1388	22.6	15	12.5	0	0	10.8	6.7	4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

Date	Time	TCEQ-20J	
		Temp	pH
1/27/2014	2:00	5.8	13.9
	6:00	5.8	14
	10:00	5.6	13.3
	14:00	5.4	13.1
	18:00	5.6	13.6
	22:00	5.4	13.2
1/28/2014	2:00	6.5	12.3
	6:00	5.9	13.7
	10:00	6.1	11.8
	14:00	5.8	11.7
	18:00	5.6	12
	22:00	5.2	11.5
1/29/2014	2:00	5	11.1
	6:00	5.3	11.1
	10:00	5.2	11
	14:00	5.1	11.2
	18:00	5.4	12.9
	22:00	5.3	11.4
1/30/2014	2:00	5	11.2
	6:00	6	12.2
	10:00	5.7	11.2
	14:00	5.8	11.8
	18:00	5.6	14
	22:00	5.3	12.6
1/31/2014	2:00	5.1	12.4
	6:00	5.4	13.1
	10:00	5.6	12.8
	14:00	5.4	13
	18:00	5.6	14.3
	22:00	5.4	14.9
2/1/2014	2:00	5.5	13.2
	6:00	5.5	13.5
	10:00	5.6	13.1
	14:00	6.1	16.3
	18:00	5.3	14.3
	22:00	5.5	14.5
2/2/2014	2:00	5.7	13.4
	6:00	5.5	14
	10:00	5.9	14.7
	14:00	5.9	13.8

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

Date	Time	TCEQ-20J	
		Temp	pH
	18:00	5.4	14.3
	22:00	5.7	12.6
2/3/2014	2:00	5.8	10.9
	6:00	5.5	11.2
	10:00	5.3	11.9
	14:00	5.1	11.6
	18:00	5.5	13
	22:00	5.5	13.6
2/4/2014	2:00	6.3	11.7
	6:00	5.6	14.1
	10:00	5.2	11.7
	14:00	5	11.7
	18:00	5.6	14.4
	22:00	5.8	11.7
2/5/2014	2:00	6.8	11.6
	6:00	6.4	12.3
	10:00	6.4	11
	14:00	6.3	10.7
	18:00	6.5	10.9
	22:00	6.1	11.8
2/6/2014	2:00	5.7	11
	6:00	5.5	10.4
	10:00	5.5	9.9
	14:00	6	12
	18:00	7.6	11.9
	22:00	5.4	9.6
2/7/2014	2:00	5.3	10.7
	6:00	4.8	9.7
	10:00	5	9.6
	14:00	5.1	9.6
	18:00	5.2	11.5
	22:00	5.1	9.6
2/8/2014	2:00	5.1	9.4
	6:00	4.9	10.3
	10:00	5.4	12.1
	14:00	5.7	13.6
	18:00	5.5	14.3
	22:00	5.7	12
2/9/2014	2:00	5.8	10.8
	6:00	5.1	11.7

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

		TCEQ-20J	
Date	Time	Temp	pH
	10:00	5.9	14.4
	14:00	5.9	13.1
	18:00	5.4	14.8
	22:00	5.6	12.5
2/10/2014	2:00	5.5	11.1
	6:00	5.6	12.9
	10:00	5.2	11
	14:00	5	10.6
	18:00	5.6	12.5
	22:00	5.5	13.6
2/11/2014	2:00	5.6	10.2
	6:00	5.3	10.4
	10:00	5.1	9.9
	14:00	5.5	9.7
	18:00	5.7	10.7
	22:00	5.6	10.4
2/12/2014	2:00	5.2	9.8
	6:00	5.3	10.9
	10:00	5.2	10
	14:00	5.3	10.4
	18:00	5.7	12.5
	22:00	5.4	12.7
2/13/2014	2:00	5.8	11.1
	6:00	5.3	12.2
	10:00	5.5	11.3
	14:00	5.2	12.1
	18:00	5.2	14.6
	22:00	5.5	14.1
2/14/2014	2:00	5.2	12.6
	6:00	5	13.9
	10:00	5.2	12.8
	14:00	5.2	13.2
	18:00	5.5	15.5
	22:00	5.4	15.1
2/15/2014	2:00	5	13.8
	6:00	5.2	14.7
	10:00	5.1	16.3
	14:00	5	16.9
	18:00	5.8	17.8
	22:00	5.9	16.3

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

Date	Time	TCEQ-20J	
		Temp	pH
2/16/2014	2:00	5.6	14.5
	6:00	5.2	16.8
	10:00	5.9	16.5
	14:00	5.9	18
	18:00	5.5	18.1
	22:00	6.2	17.3
2/17/2014	2:00	5.3	15.5
	6:00	5.5	16
	10:00	5.1	15.6
	14:00	5.9	15.7
	18:00	6.2	17.8
	22:00	6.2	17.9
2/18/2014	2:00	6.1	16.1
	6:00	5.8	16.2
	10:00	5.6	15.8
	14:00	5.7	16.1
	18:00	5.7	18.7
	22:00	5.3	16.3
2/19/2014	2:00	5.4	16.1
	6:00	5.8	16.3
	10:00	6.4	16.3
	14:00	5.2	16.8
	18:00	5.6	19.3
	22:00	5.6	18.1
2/20/2014	2:00	5.5	16.9
	6:00	5.4	17.9
	10:00	5.2	16.7
	14:00	5.1	16.7
	18:00	5.5	18.2
	22:00	5.5	17.3
2/21/2014	2:00	5.4	17
	6:00	5.1	17.5
	10:00	5.3	16.7
	14:00	5.2	16.7
	18:00	5.6	18.5
	22:00	5.5	16.6
2/22/2014	2:00	5.4	16.2
	6:00	5.2	16.5
	10:00	5.4	18.3
	14:00	5.4	18.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

Date	Time	TCEQ-20J	
		Temp	pH
	18:00	5.5	18.4
	22:00	5.6	17.6
2/23/2014	2:00	5.5	16.6
	6:00	5.3	17.8
	10:00	5.5	18.2
	14:00	5.4	17.8
	18:00	5.5	17.5
	22:00	5.5	16.4
2/24/2014	2:00	5.5	16.5
	6:00	5.5	16.5
	10:00	5	16.3
	14:00	5.2	16.3
	18:00	5.4	17.1
	22:00	5.5	17.6
2/25/2014	2:00	5.4	15.7
	6:00	5	15.9
	10:00	5.2	15.4
	14:00	5.3	15.2
	18:00	5.5	14.4
	22:00	5.3	14.4
2/26/2014	2:00	5.6	14.6
	6:00	5.3	14.4
	10:00	5	13.8
	14:00	*	*
	18:00	5.6	13.2
	22:00	6.5	13.9
2/27/2014	2:00	5.4	13.8
	6:00	5.2	14.4
	10:00	5.3	13.5
	14:00	5.2	14.3
	18:00	5.8	15.3
	22:00	5.6	12.7
2/28/2014	2:00	5.4	13.5
	6:00	5.3	13.9
	10:00	5	13.8
	14:00	5.1	14.3
	18:00	5.4	16.9
	22:00	5.4	16.1
3/1/2014	2:00	5.5	15.2
	6:00	5.5	16.4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

Date	Time	TCEQ-20J	
		Temp	pH
	10:00	5.6	16.2
	14:00	5.6	17.2
	18:00	5.6	16.1
	22:00	5.5	15.9
3/2/2014	2:00	5.2	15.2
	6:00	5	15.1
	10:00	5.7	15.7
	14:00	5.5	14.3
	18:00	5.2	14.5
	22:00	5.4	14
3/3/2014	2:00	5.5	12.7
	6:00	5.1	12.3
	10:00	5.1	11.5
	14:00	5.2	11.3
	18:00	5.3	14.1
	22:00	5.4	14.4
3/4/2014	2:00	5.4	11
	6:00	5.2	11.1
	10:00	5.1	10.9
	14:00	5.4	11.6
	18:00	5.3	13.7
	22:00	5.2	11.5
3/5/2014	2:00	5.6	11.9
	6:00	5.6	13
	10:00	5.4	12.2
	14:00	5.2	13
	18:00	5.4	13.7
	22:00	5.3	11.7
3/6/2014	2:00	5.5	13
	6:00	5.4	13.2
	10:00	5.2	13.1
	14:00	5	13.9
	18:00	5.2	15.5
	22:00	5.2	13.2
3/7/2014	2:00	5.4	14
	6:00	5.4	15.4
	10:00	5.1	14.3
	14:00	5	14.8
	18:00	5.4	16.5
	22:00	5.3	16.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
4 hour data

		TCEQ-20J	
Date	Time	Temp	pH
3/8/2014	2:00	5.1	15.5
	6:00	5.4	15.2
	10:00	5.3	16.3
	14:00	5.4	15
	18:00	5.5	14.5
	22:00	5.5	16.3
3/9/2014	2:00	5	15
	6:00	4.9	15.1
	10:00	5.4	16.3
	14:00	5.6	16.3
	18:00	5.1	17.2
	22:00	5.1	16.7
3/10/2014	2:00	5.4	15.1
	6:00	5.1	16
	10:00	5.2	15.1
	14:00	5.2	15.9
	18:00	5.5	18.3
	22:00	5.9	17.2
3/11/2014	2:00	5.1	16
	6:00	5.2	16.8
	10:00	5.1	16.6

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
Daily data

Date	TCEQ-20J															
	Max TDS	Average TDS	TDS % Removal	Train 4 Calc. average Flux (gfd)	Train 4 Cal. Normalized Flux @ 25 C (gfd)	Train 4 Calc. average NDP	Train 4 Calc. Temp-Press. Normalized Flux (gfd/psi)	Train 6 Calc. average Flux (gfd)	Train 6 Cal. Normalized Flux @ 25 C (gfd)	Train 6 Calc. average NDP	Train 6 Calc. Temp-Press. Normalized Flux (gfd/psi)	Nitrate	Nitrite	Sulfate (mg/L)	E. coli (MPN)	Giardia
1/27/2014	15.1	12.2	98.8	14.9	21.1	129	0.163	0	0	-6.4	0	0.9	0.17	0.05	0	0
1/28/2014	13.7	12.2	98.9	14.9	22.2	133	0.167	0	0	-6.4	0	0.88	0.17	0.66	0	0
1/29/2014	15.1	12.2	98.8	14.9	22.6	144	0.157	0	0	-6.4	0	0.8	0.15	0.07	0	0
1/30/2014	13.7	12.2	98.8	14.9	21.8	154	0.142	0	0	-6.4	0	0.72	0.18	0.44	0	0
1/31/2014	15.1	12.2	98.8	14.9	21.3	153	0.139	0	0	-6.4	0	0.81	0.18	0.08	0	0
2/1/2014	15.1	12.2	98.7	14.9	21.4	169	0.127	0	0	-6.4	0	0.9	ND	0.1	0	0
2/2/2014	13.7	12.2	98.7	14.9	21	194	0.108	0	0	-6.4	0	0.81	0.17	0.39	0	0
2/3/2014	36.3	12.2	98.6	14.6	21.4	205	0.104	0	0	-6.4	0	0.87	0.08	0.06	0	0
2/4/2014	16.2	12	98.6	14.7	21.2	233	0.091	0	0	-6.4	0	0.91	0.18	0.05	0	0
2/5/2014	11.9	11.1	98.7	13.9	21	244	0.086	0.01	0.02	-4.4	-0	0.79	0.19	0.03	0	0
2/6/2014	116	8.49	99	10	15.6	244	0.064	2.49	3.88	109	0.035	4.1	0.15	0.45	0	0
2/7/2014	16.2	11.3	98.6	14	21.7	224	0.097	0.19	0.3	95.7	0.003	0.8	0.18	0.23	0	0
2/8/2014	11.9	11.7	98.6	14.5	21.9	235	0.093	0	0	-9.4	0	0.77	0.24	0.03	0	0
2/9/2014	13.3	11.3	98.7	14	20.5	241	0.085	0.01	0.02	-4.9	-0	0.87	0.14	0.02	0	0
2/10/2014	19.4	9.6	98.9	13.6	20	224	0.089	0.28	0.41	92.3	0.004	0.79	0.17	0.06	0	0
2/11/2014	26.9	9.85	98.9	14	21.5	234	0.092	0.14	0.21	93.9	0.002	0.83	0.16	0.29	0	0
2/12/2014	26.6	9.44	98.9	14	21.2	232	0.092	0	0	-10	0	0.7	0.08	0.05	0	0
2/13/2014	20.8	10.3	98.8	14.2	20.7	222	0.093	0	0	-9.8	0	0.75	0.01	0.06	0	0
2/14/2014	28.7	10.3	98.8	13.8	19.2	205	0.093	0.01	0.02	-4.8	-0	0.83	0.16	0.43	0	0
2/15/2014	13.7	11.9	98.7	14.9	19.9	195	0.102	0	0	-9.4	0	0.88	0.16	0.53	0	0
2/16/2014	36.2	11.8	98.4	14.3	18.3	196	0.093	0.01	0.02	-5.6	-0	0.84	0.12	0.16	0	0
2/17/2014	25.9	6.84	99.2	6.57	8.37	167	0.05	7.04	8.97	75	0.12	0.96	0.02	0.09	0	0
2/18/2014	24.8	2.26	99.7	2.02	2.49	146	0.017	11.3	13.9	76.7	0.182	5.84	0.02	0.76	0	0
2/19/2014	21.2	10.3	98.9	14.2	17.6	143	0.123	0	0	5.8	0	0.96	0.02	0.11	0	0
2/20/2014	38.1	11.2	98.8	14.5	18.3	137	0.133	0	0	7.9	0	0.9	0.16	0.09	0	0
2/21/2014	27.3	11.5	98.7	14.4	18.3	143	0.128	0	0	8.9	0	0.95	0.19	0.44	0	0

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
Daily data

	TCEQ-20J															
Date	Max TDS	Average TDS	TDS % Removal	Train 4 Calc. average Flux (gfd)	Train 4 Cal. Normalized Flux @ 25 C (gfd)	Train 4 Calc. average NDP	Train 4 Calc. Temp-Press. Normalized Flux (gfd/psi)	Train 6 Calc. average Flux (gfd)	Train 6 Cal. Normalized Flux @ 25 C (gfd)	Train 6 Calc. average NDP	Train 6 Calc. Temp-Press. Normalized Flux (gfd/psi)	Nitrate	Nitrite	Sulfate (mg/L)	E. coli (MPN)	Giardia
2/22/2014	15.5	12.1	98.7	14.9	18.6	159	0.116	0	0	-8.8	0	0.9	0.01	0.14	0	0
2/23/2014	34.8	11.7	98.7	14.7	18.6	172	0.108	0	0	-6.2	0	0.93	0.02	0.11	0	0
2/24/2014	31.6	11.7	98.7	14.6	18.6	199	0.093	0.02	0.02	-4.9	-0	0.97	0.02	0.07	0	0
2/25/2014	30.2	11.6	98.7	14.4	26.3	219	0.12	0.02	0.03	-5	-0.01	0.92	0.02	0.07	0	0
2/26/2014	25.5	8.69	99	6.93	9.74	225	0.043	4.33	6.08	93.5	0.065	0.92	<0.01	0.56	0	0
2/27/2014	414	11	98.8	9.37	13.1	168	0.078	3.55	4.97	78.6	0.063	0.67	<0.01	0.32	0	0
2/28/2014	51.3	11.3	98.8	13.9	19	166	0.115	0	0	-5.3	0	0.88	0.01	0.1	0	0
3/1/2014	19.8	12	98.7	14.9	19.3	167	0.116	0	0	-8.9	0	0.88	<0.01	0.09	0	0
3/2/2014	40.6	10.3	98.9	14.1	19.6	192	0.102	0	0	-5.5	0	0.8	<0.01	0.15	0	0
3/3/2014	29.8	11.8	98.7	14.5	21.3	224	0.095	0	0	-5.6	0	0.69	<0.01	0.08	0	0
3/4/2014	52.4	9.81	98.9	13.4	20.3	229	0.089	0	0	-4.6	0	1.6	<0.01	6.8	0	0
3/5/2014	35.9	11.1	98.8	13.7	20	221	0.09	0	0	-10	0	0.05	0.01	5	0	0
3/6/2014	43.8	11.5	98.8	14.2	19.8	224	0.088	0.01	0.02	-4.6	-0	4.9	<0.01	5	0	0
3/7/2014	39.1	8.73	99.1	9.69	13	222	0.059	3.75	5.04	82.1	0.061	1.8	<0.01	11	0	0
3/8/2014	130	5.39	99.4	3.02	4.02	192	0.021	10.3	13.7	82.1	0.167	0.9	<0.01	5	0	0
3/9/2014	123	6.11	99.3	4.09	5.4	217	0.025	8.37	11.1	83.4	0.133	4.7	<0.01	5	0	0
3/10/2014	186	84.9	90.8	5.8	10.8	221	0.049	8.07	15	92.1	0.163	0.8	0.01	5	0	0
3/11/2014	115	9.15	99	13.4	25.3	214	0.118	0.77	1.46	68.9	0.021	0.7	<0.01	5	0	0

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units'
permeate)
Daily data

Date	<i>Cryptosporidium</i>	Chlorite
1/27/2014	0	0
1/28/2014	0	0
1/29/2014	0	0
1/30/2014	0	0
1/31/2014	0	0
2/1/2014	0	0
2/2/2014	0	0
2/3/2014	0	0
2/4/2014	0	0
2/5/2014	0	0
2/6/2014	0	0
2/7/2014	0	0
2/8/2014	0	0
2/9/2014	0	0
2/10/2014	0	0
2/11/2014	0	0
2/12/2014	0	0
2/13/2014	0	0
2/14/2014	0	0
2/15/2014	0	0
2/16/2014	0	0
2/17/2014	0	0
2/18/2014	0	0
2/19/2014	0	0
2/20/2014	0	0
2/21/2014	0	0

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)
Daily data

Date	<i>Cryptosporidium</i>	Chlorite
2/22/2014	0	0
2/23/2014	0	0
2/24/2014	0	0
2/25/2014	0	0
2/26/2014	0	0
2/27/2014	0	0
2/28/2014	0	0
3/1/2014	0	0
3/2/2014	0	0
3/3/2014	0	0
3/4/2014	0	0
3/5/2014	0	0
3/6/2014	0	0
3/7/2014	0	0
3/8/2014	0	0
3/9/2014	0	0
3/10/2014	0	0
3/11/2014	0	0

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Weekly data

		TCEQ-20J						
	Date	Alkalinity	TOC	DOC on-site	DOC off-site	TTHM (ug/L)	HAA5 (ug/L)	Bromide (mg/L)
Week 1	1/27/2014							
	1/28/2014							
	1/29/2014	11	0.1	0.17	<0.5	4.4	<2	0.02
	1/30/2014							
	1/31/2014							
	2/1/2014							
	2/2/2014							
Week 2	2/3/2014	10	0.17	0	<0.5	4.7	<2	0.04
	2/4/2014							
	2/5/2014							
	2/6/2014							
	2/7/2014							
	2/8/2014							
	2/9/2014							
Week 3	2/10/2014	1	0.19	0	<0.5	5.2	<2	0.03
	2/11/2014							
	2/12/2014							
	2/13/2014							
	2/14/2014							
	2/15/2014							
	2/16/2014							
Week 4	2/17/2014	21	0.2	0.13	<0.5	9.5	<2	0.02
	2/18/2014							
	2/19/2014							
	2/20/2014							
	2/21/2014							
	2/22/2014							
	2/23/2014							
Week 5	2/24/2014	9	0.12	0.02	<0.5	10.1	<2	0.02
	2/25/2014							
	2/26/2014	2.8	0.12	0.05	<0.5	9.6	<2	0.01
	2/27/2014							
	2/28/2014							
	3/1/2014							
	3/2/2014							
	3/3/2014	11			<0.5	7.7	<2	0.02
	3/4/2014							

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Weekly data

		TCEQ-20J						
	Date	Alkalinity	TOC	DOC on-site	DOC off-site	TTHM (ug/L)	HAA5 (ug/L)	Bromide (mg/L)
Week 6	3/5/2014							
	3/6/2014							
	3/7/2014	11	0.21	0.04				
	3/8/2014							
	3/9/2014							
Week 7	3/10/2014	12	0.22	0.06	<0.5	6.5	<2	0.01
	3/11/2014	8	0.17	0	<0.5	7.2	<2	0.01

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	<i>E. coli</i> off-site	<i>Giardia</i> off-site (Cysts/L)	<i>Cryptosporidium</i> off-site (Oocysts/L)	TCV off-site MPN/L	Perchlorate (ug/L)	Antimony (ug/L)	Arsenic (ug/L)	Asbestos
1/27/2014	0	0	0	0	<2	<1	<1	<0.2
2/26/2014	0	0	0		<0.05	<1	<1	<0.2
3/11/2014	0	0	0		<0.05	<1	<1	<0.2

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Barium (ug/L)	Beryllium (ug/L)	Cadmium (ug/L)	Chromium (ug/L)	Cyanide (mg/L)	Fluoride (mg/L)	Lead (ug/L)	Mercury (ug/L)
1/27/2014	<2	<1	<0.5	<1	<0.01	<0.05	<1	<0.2
2/26/2014	<2	<0.3	<1	<0.9	<0.01	<0.1	<1	<0.1
3/11/2014	<2	<0.3	<1	<0.9	<0.01	<0.1	<1	<0.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Nitrate as Nitrogen (mg/L)	Nitrite as Nitrogen (mg/L)	Nitrate & Nitrite (Total) (mg/L)	Selenium (ug/L)	Thallium (ug/L)	Alachlor (ug/L)	Atrazine (ug/L)	Benzopyrene (ug/L)
1/27/2014	0.88	<0.1	0.88	<5	<1	<0.05	<0.05	<0.02
2/26/2014	0.9	<0.01	0.9	<2	<0.3	<0.1	<0.1	<0.02
3/11/2014	1.4	<0.01	14	<2	<0.3	<0.1	<0.1	<0.02

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Carbofuran (ug/L)	Chlordane (ug/L)	Dalapon (ug/L)	Dibromochloropropane (ug/L)	Di(2-ethylhexyl)adipate (ug/L)	Di(2-ethylhexyl)phthalate (ug/L)	Dinoseb (ug/L)	Diquat (ug/L)
1/27/2014	<0.5	<0.1	<1	<0.01	<0.6	<0.6	<0.2	<0.4
2/26/2014	<0.9	<0.1	<1	<0.2	<0.6	<0.6	<0.1	<0.4
3/11/2014	<0.9	<0.1	<1	<0.2	<0.6	<0.6	<0.1	<0.4

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Endothall (ug/L)	Endrin (ug/L)	Ethylene Dibromide (ug/L)	Glyphosate (ug/L)	Heptachlor (ug/L)	Heptachlor epoxide (ug/L)	Hexachlorobenzene (ug/L)	Hexachlorocyclopentadiene (ug/L)
1/27/2014	<5	<0.01	<0.01	<6	<0.01	<0.01	<0.05	<0.05
2/26/2014	<9	<0.01	<0.2	<6	<0.04	<0.2	<0.1	<0.1
3/11/2014	<9	<0.01	<0.2	<6	<0.04	<0.2	<0.1	<0.1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Lindane (ug/L)	Methoxychlor (ug/L)	Oxamyl (Vydate) (ug/L)	Pentachlorophenol (ug/L)	Picloram (ug/L)	Polychlorinated biphenyls (PCB) (ug/L)	Simazine (ug/L)	Toxaphene (ug/L)
	TCEQ-20J							
1/27/2014	<0.01	<0.05	<0.5	<0.04	<0.1	<0.1	<0.05	<0.5
2/26/2014	0.02	<0.1	<1	<0.04	<0.1	<0.1	<0.07	<1
3/11/2014	0.02	<0.1	<1	<0.04	<0.1	<0.1	<0.07	<1

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	2,3,7,8-TCDD (Dioxin) (ug/L)	2,4,5-TP (ug/L)	2,4-D (ug/L)	1,1-Dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
1/27/2014	<2	<0.2	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
2/26/2014	<5	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5
3/11/2014	<10	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	1,2,4-Trichlorobenzene (ug/L)	Benzene (ug/L)	Carbon tetrachloride (ug/L)	cis-1,2-Dichloroethylene (ug/L)	Dichloromethane	Ethylbenzene (ug/L)	Monochlorobenzene (ug/L)	o-Dichlorobenzene (ug/L)
1/27/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2/26/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
3/11/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	para-Dichlorobenzene (ug/L)	Styrene (ug/L)	Tetrachloroethylene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethylene (ug/L)	Trichloroethylene (ug/L)	Vinyl chloride (ug/L)	Xylenes (total) (ug/L)
1/27/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.3	<0.5
2/26/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5
3/11/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Aluminum (ug/L)	Chloride (mg/L)	Color	Copper (ug/L)	Corrosivity (Aggressive Index)	Foaming agents	Hydrogen sulfide (mg/L)	Iron (mg/L)
1/27/2014	<20	3.9	<3	<2	6.4	0.2	<2	<0.02
2/26/2014	<2	7.3	<5	<1	6.8	0.2	<2	<0.02
3/11/2014	<2	2.6	<5	<1	6.9	0.2		<0.02

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Manganese (ug/L)	Odor	pH	Silver (ug/L)	Sulfate (mg/L)	Radium 226 (pCi/L)	Radium 228 (pCi/L)	Uranium (UG/L)
1/27/2014	<2	2	5.7	<0.5	<0.5	0.131	<0.55	<0.1
2/26/2014	<2	<1	5.2	<2	<5	<0.102	<0.5	<0.1
3/11/2014	<2	1	5.3	<2	<5			

TCEQ-20J: Selected RO Membrane Unit Permeate Quality

(at selected RO unit permeate piping and prior to blending with other RO units' permeate)

Start, Day 30, End data

Date	Gross Alpha Activity (pCi/L)	Gross Beta Particle Activity (pCi/L)	Tritium (pCi/L)	Strontium 90 (pCi/L)	TDS (mg/L)	Zinc (ug/L)
1/27/2014	<2.36	<3.1	<380	<0.58	<10	<20
2/26/2014	<1.48	<2.1	<380	<0.49	16	<5
3/11/2014					38	<5

TCEQ 20J Offsite Laboratory Data Summary

Sample Number: 063634 '14 JAN 27

PLEASE Print Below with BALLPOINT Pen or TYPEWRITER

2430001

CITY OF WICHITA FALLS

Water System ID Nbr.

Name of Water System

RO permeate

WICHITA

Point of Collection

County

Submitter ID Nbr:

Submitter Phone Nbr: (940) 691-1153

SEND

Blair Ramen

RESULTS

4801 Big Ed Weal Dr

Street Address

TO

Wichita Falls, TX 76310

City, State, Zip

TYPE OF SYSTEM ☒ Public ☐ Dairy ☐ Private ☐ Bottled ☐ School ☐ Pool

SAMPLE IS ☒ Distribution ☐ Raw ☐ River ☐ Lake ☐ Construction

WATER SOURCE ☐ Repeat ☐ Special ☐ Well ☐ Depth

Other Special Information:

ARRIVAL TEMP. 4.0°C ON ICE

Date & Time
of Collection

01 / 27 / 14
Month - Day - Year

10:05 AM
Time AM - PM

Collected by:

Received for
Delivery by

Month - Day - Year

Time

AM - PM

Received by:

Received by
Laboratory

1 27 / 2014 9:40
Month - Day - Year Time

Time

AM - PM

Received by:

FREE CI - 0

TOTAL CI - 0

LABORATORY REPORT (Do Not Write in this Space)

~~FECAL COLIFORM ORGANISMS:~~

Test Method: ☒ Colilert ☒ MET

Performed by:

J. C. Garza

on

1 / 27 / 2014
Month - Day - Year

at

11:00 AM
Time PM

Reported by:

J. Haup / JMC

on

1 / 28 / 2014
Month - Day - Year

at

11:30 AM
Time PM

RESULTS:

21.0

MPN per 100 ml as Fecal Coliforms (E. Coli)

DUPLICATE

21.0

MPN/100ml as E. Coli

Unsuitable for Analysis - PLEASE Resubmit. Reason:

BLANK

21.0

MPN/100ml as E. Coli

LOT# 1308355

EXP. 09/2015

Wichita Falls/Wichita County Public Health District Laboratory, CLIA #45D0672374
1700 Third Street, Wichita Falls, Texas 76301-2113
Phone: 940-761-7835 - Fax: 940-761-7878

Sample Number **063827 '14 FEB 26**

PLEASE Print Below with BALLPOINT Pen

2430001 CITY OF WICHITA FALLS
Water System ID Nbr. Name of Water System
RD Permeate WICHITA
Point of Collection County
Submitter Phone Nbr: Submitter Fax Nbr: (940)691-153
SEND Blair Ramon
Name
RESULTS 4801 Big Ed Neal Dr.
Street Address
TO Wichita Falls, TX 76310
City, State, Zip

TYPE OF SYSTEM ☒ Public ☐ Individual/Private Distr.
SAMPLE IS ☐ Raw Effluent ☐ Raw

WATER SOURCE ☐ River ☐ Lake ☐ Both River and Lake ☐ Well: ☐ Depth
Chlorine Residual: Free: 0 Total: 0

Other Special Information:

Arrival Temperature: 8.9°C on ice

Date & Time of Collection 02/26/14 6:00 AM
Month - Day - Year Time AM - PM Collected by:
Received for Delivery by ☐ ☐ ☐ ☐ AM - PM Received by:
Received by Laboratory 02/26/14 09:22 AM
Month - Day - Year Time AM - PM Received by:
Chlorine Free 0 Total 0

LABORATORY REPORT (Do Not Write in this Space)

~~FECAL COLIFORM ORGANISMS:~~ Test Method: Colilert
Performed by: J. Larp on 02/26/14 at 10:30 AM
Month - Day - Year Time PM
Reported by: Jessica on 02/27/14 at 1:50 PM
Month - Day - Year Time PM
RESULTS: <1.0 MPN per 100 ml as Fecal Coliforms (E. Coli)

Unsuitable for Analysis - PLEASE Resubmit. Reason:

DUPLICATE <1.0 MPN/100ml as E. Coli

Wichita Falls/Wichita County Public Health District Laboratory, CLIA #45D0672374
1700 Third Street, Wichita Falls, Texas 76301-2113
Phone: 940-761-7835 - Fax: 940-761-7878

BLANK <1.0 MPN/100ml as E. Coli

LOT # 1308355
EXP: 09-2015

Sample Number:

063925 '14 MAR 11

PLEASE Print Below with BALLPOINT Pen

2430001

Water System ID Nbr.

CITY OF WICHITA FALLS

Name of Water System

RO Permeate

Point of Collection

WICHITA

County

Submitter Phone Nbr:

940-691-1153

Submitter Fax Nbr:

940-691-4121

SEND

Blair Raman

Name

RESULTS

4801 Big Ed Neal Drive

Street Address

TO

Wichita Falls, TX 76310

City, State, Zip

TYPE OF SYSTEM ☒ Public ☐ Individual/Private

DIST

SAMPLE IS ☐ Raw Effluent ☐ Raw

WATER SOURCE ☐ River ☐ Lake ☐ Both River and Lake ☐ Well: ☐ Depth

Chlorine Residual:

Free:

Total:

Other Special Information:

Arrival Temperature:

6.3°C ON ICE

Date & Time
of Collection

3/11/14
Month - Day - Year

7:20
Time

AM - PM

BR
Collected by:

Received for
Delivery by

Month - Day - Year

Time

AM - PM

Received by:

Received by
Laboratory

3/11/2014
Month - Day - Year

9:40
Time

AM - PM

JMC
Received by:

LABORATORY REPORT (Do Not Write in this Space)

~~FECAL COLIFORM ORGANISMS:~~

Test Method: Colilert

Performed by:

CHH
J. Hays

on

3/11/14
Month - Day - Year

at

10:45 AM
Time PM

Reported by:

on

3/12/14
Month - Day - Year

at

11:15 AM
Time PM

RESULTS:

<1.0

MPN per 100 ml as ~~Fecal Coliforms~~ (E. Coli)

Unsuitable for Analysis - PLEASE Resubmit. Reason:

DUPLICATE

<1.0

MPN/100ml as E. Coli

Wichita Falls/Wichita County Public Health District Laboratory, CLIA #45D0672374

1700 Third Street, Wichita Falls, Texas 76301-2113

Phone: 940-761-7835 - Fax: 940-761-7878

BLANK

<1.0

MPN/100ml as E. Coli

Lot #: 1308365
Exp: 09-2015



LAB Sample ID: 140046-010

Page 1 of 1

Client / Address: WICHITA FALLS, PO Box 1431, WICHITA FALLS TX 76307

Client No: WIC002

Purchase Order No: N/A

PWS ID: N/A

Facility ID: RO Permeate

Client Contact: Mark Sutherland,

Client Phone: 940-691-1153

SAMPLE INFORMATION:

Name of Sampler:	Blair Ramon	Customer Sample No.:	HVF RO Permeate
Matrix:	Waste Water, treated	Date/Time Received:	1/28/2014 10:00:00 AM
Sample Point ID:	RO Permeate	Check-in Temp. (0-20C)	1.8
Sample Collection Date:	1/27/2014	Container Type:	HV Envirochek
Sample Time:	6:00:00 AM		
Comments:	Turbidity = 0.06 NTU Calculated Results: <0.07 Oocysts / Liter (Crypto), <0.07 Cysts / Liter (Giardia)		

ASSAY RESULTS: 1623 EPA 821-R-01-025

Sample Preparation

Analysis Date / Time	1/29/14-1614	Filter Type	Envirochek HV
Filter Serial #	519841	Sample Vol Filtered	15.1 L
Sample Vol Examined	15.1 L	Number of Filters	1
Resuspended Conc. Vol.	5 mL	Pellet Volume	0.1 mL
Elution date	1/28/14	Elution Time	1225
Resample	No	Original Sample Date	
Analyst	kw		

Sample Results

Analyte	Crypto
No. of Crypto	0
Analyte 2	Giardia
No. of Giardia	0

Sample Q. C

OPR Crypto Results	58 %
OPR Giardia Results	69 %
Method Blank Results	0

SAMPLE EVALUATION PERFORMANCE CRITERIA: The precise rates of recovery of organisms from environmental samples cannot be determined. BioVir Laboratories has analyzed your sample(s) in accordance with the method described with each analyte above, however, due to inherent limitations of these methods organisms may avoid detection. For additional information regarding the limitations of the method(s) referred to above please call us at 1-800-GIARDIA.

COMPANY IS NOT AN INSURER: BioVir Laboratories is not an insurer or guarantor of the quality and/or purity of water, wastewater, biosolid or other material from which the sample was taken. BioVir offers no express or implied warranties whatsoever concerning the quality or purity of any water, wastewater, biosolid or other material which is ultimately consumed, distributed, applied or disposed.

MAINTENANCE OF RECORDS: BioVir Laboratories, Inc. shall maintain records pertaining to the historical reconstruction of client's data for a minimum of five years from the date of issuance of the final report. Records may be destroyed after that date unless a written client's request for records transfer is received by BioVir which requests otherwise. Records transfer or storage charges may apply after the 5 year period. THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF BIOVIR LABORATORIES, INC.

2/14/2014

Report Date

Signature

Quality
Checked

LBarriga

Client Name: City of Wichita Falls

Report #: 312658

Sampling Point: TCEQ 1J-Wastewater Effluent

PWS ID: TX2430001

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Giardia \$	1623	---	1.066	105.544	cysts/L	---	02/28/14 09:00	2981716
---	Cryptosporidium \$	1623	---	1.066	2.132	oocysts/L	---	02/28/14 09:00	2981716

For method 1623: The calculated MRL value is dependant on the volume filtered and the volume analyzed for each sample.

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 4J-RO flow Control Vault

PWS ID: TX2430001

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Giardia \$	1623	---	0.158	33.017	cysts/L	---	02/28/14 09:00	2981717
---	Cryptosporidium \$	1623	---	0.158	0.316	oocysts/L	---	02/28/14 09:00	2981717

For method 1623: The calculated MRL value is dependant on the volume filtered and the volume analyzed for each sample.

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 10J-MF Filtrate

PWS ID: TX2430001

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Giardia \$	1623	---	0.067	< 0.067	cysts/L	---	02/28/14 09:00	2981718
---	Cryptosporidium \$	1623	---	0.067	< 0.067	oocysts/L	---	02/28/14 09:00	2981718

For method 1623: The calculated MRL value is dependant on the volume filtered and the volume analyzed for each sample.

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

Microbiology									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Giardia \$	1623	---	0.010	< 0.010	cysts/L	---	02/28/14 09:00	2981719
---	Cryptosporidium \$	1623	---	0.010	< 0.010	oocysts/L	---	02/28/14 09:00	2981719

For method 1623: The calculated MRL value is dependant on the volume filtered and the volume analyzed for each sample.

\$ The state of origin does not offer certification for this parameter.



BioVir Laboratories, Inc



685 Stone Road, Unit 6 • Benicia, CA 94510 • (707) 747-5906 • 1-800-GIARDIA • FAX (707) 747-1751 • WEB: www.biovir.com

REPORT NO.: 140046
PAGE NO.: 1 of 2
CLIENT: WICHITA FALLS
ADDRESS
PO Box 1431
WICHITA FALLS, TX 76307
CLIENT NO WIC002 **CLIENT PO:** N/A

ASSAY RESULTS:

Test: EPA 1615

Method: EPA 1615

BioVir #	Sample ID	Site	Analyte	Result	Units
140046-001	Treated Wastewater	Microfilter	Total Culturable Virus	<0.011	MPN/L
Collector Blair Ramon CollectDate 1/27/2014 CollectTime: 11:40:00 AM ReceiveDate 1/28/2014 10:00:00 AM Matrix: Waste Water, treated Temp 3.3 C Volume: 302.8 L Analysis Start Date: 1/28/2014 Analysis Start Time: 1151 Analyst: ValentinaL Analysis End: 3/4/2014 Comment					
140046-002	Treated Wastewater	Clearwell/Transfer Pump	Total Culturable Virus	<0.002	MPN/L
Collector Blair Ramon CollectDate 1/27/2014 CollectTime: 12:50:00 PM ReceiveDate 1/28/2014 10:00:00 AM Matrix: Waste Water, treated Temp 3.3 C Volume: 1510.37 L Analysis Start Date: 1/28/2014 Analysis Start Time: 1225 Analyst: ValentinaL Analysis End: 3/4/2014 Comment					
140046-003	WW Eff-treated thru MF & RO	RO Permeate	Total Culturable Virus	<0.011	MPN/L
Collector Blair Ramon CollectDate 1/27/2014 CollectTime: 5:45:00 AM ReceiveDate 1/28/2014 10:00:00 AM Matrix: Waste Water, treated Temp 1.8 C Volume: 302.8 L Analysis Start Date: 1/28/2014 Analysis Start Time: 1252 Analyst: ValentinaL Analysis End: 3/4/2014 Comment From label: sampler-Blair Ramon-not listed on COC. Client contacted for vol. Per Blair Ramon, vol. is 80 Gallons.					
140046-004	Blended SW & Treated WW Effluent	Splitter Box Effluent	Total Culturable Virus	<0.014	MPN/L
Collector Misty Klein CollectDate 1/27/2014 CollectTime: 6:45:00 AM ReceiveDate 1/28/2014 10:00:00 AM Matrix: Waste Water, treated Temp 1.8 C Volume: 230.9 L Analysis Start Date: 1/28/2014 Analysis Start Time: 1320 Analyst: ValentinaL Analysis End: 3/4/2014 Comment Sampler: Misty Klein per Blair Ramon					

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Hits
Report: 466113

City of Wichita Falls
Mark Southard
4801 Big Ed Neal Dr
Wichita Falls, TX 76310

Samples Received on:
01/28/2014

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
201401280138 <u>RO Permeate</u>						
02/03/2014 09:57	Agressiveness Index-Calculated		6.4		None	0.1
01/29/2014 19:27	Alkalinity in CaCO3 units		2.7		mg/L	2
01/30/2014 12:59	Anion Sum - Calculated		0.22		meq/L	0.001
01/30/2014 12:59	Bicarb.Alkalinity as HCO3calc		3.4		mg/L	2
02/06/2014 02:18	Bromide		17		ug/L	5
02/04/2014 11:37	Bromodichloromethane		1.5		ug/L	0.5
02/04/2014 11:37	Bromoform		1.9		ug/L	0.5
02/03/2014 09:58	Cation Sum - Calculated		0.22		meq/L	0.001
01/28/2014 21:17	Chloride		3.9	250	mg/L	1
02/04/2014 11:37	Chlorodibromomethane		1.8		ug/L	0.5
02/01/2014 18:15	Chloroform (Trichloromethane)		0.81		ug/L	0.5
02/03/2014 09:57	Langelier Index - 25 degree		-5.5		None	
02/13/2014 03:11	Langelier Index at 60 degrees C		-5.1		None	
01/28/2014 21:17	Nitrate as Nitrogen by IC		0.88	10	mg/L	0.1
01/28/2014 21:17	Nitrate as NO3 (calc)		3.9	45	mg/L	0.44
01/28/2014 22:38	PH (H3=past HT not compliant)		5.7		Units	0.1
02/03/2014 09:57	pH of CaCO3 saturation(25C)		11		Units	0.1
01/29/2014 13:00	pH of CaCO3 saturation(60C)		11		Units	0.1
01/31/2014 20:03	Sodium Total ICAP		5.0		mg/L	1
01/28/2014 21:17	Total Nitrate, Nitrite-N, CALC		0.88		mg/L	0.1
02/01/2014 18:15	Total THM		6.0	80	ug/L	0.5
201401280142 <u>RO Permeate</u>						
01/28/2014 11:00	Odor at 60 C (TON)		2.0	3	TON	1

SUMMARY OF POSITIVE DATA ONLY

750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: (626) 386-1100
Fax: (626) 386-1101
1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 466113

City of Wichita Falls
Mark Southard
4801 Big Ed Neal Dr
Wichita Falls, TX 76310

Samples Received on:
01/28/2014

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
<u>RO Permeate (201401280138)</u>					Sampled on 01/27/2014 0545				
EPA 200.8 - ICPMS Metals									
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Aluminum Total ICAP/MS	ND	ug/L	20	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Arsenic Total ICAP/MS	ND	ug/L	1	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Barium Total ICAP/MS	ND	ug/L	2	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Chromium Total ICAP/MS	ND	ug/L	1	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Copper Total ICAP/MS	ND	ug/L	2	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Manganese Total ICAP/MS	ND	ug/L	2	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
1/29/2014	02/05/2014	13:47	750000	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
1/29/2014	02/03/2014	17:59	749652	(EPA 200.8)	Zinc Total ICAP/MS	ND	ug/L	20	1
EPA 200.7 - ICP Metals									
1/29/2014	01/31/2014	20:03	749388	(EPA 200.7)	Calcium Total ICAP	ND	mg/L	1	1
1/29/2014	01/31/2014	20:03	749388	(EPA 200.7)	Iron Total ICAP	ND	mg/L	0.02	1
1/29/2014	01/31/2014	20:03	749388	(EPA 200.7)	Magnesium Total ICAP	ND	mg/L	0.1	1
1/29/2014	01/31/2014	20:03	749388	(EPA 200.7)	Potassium Total ICAP	ND	mg/L	1	1
1/29/2014	01/31/2014	20:03	749388	(EPA 200.7)	Silica	ND	mg/L	0.5	1
1/29/2014	01/31/2014	20:03	749388	(EPA 200.7)	Sodium Total ICAP	5.0	mg/L	1	1
EPA 245.1 - Mercury Total									
2/4/2014	02/05/2014	11:39	749972	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
SM5310C/E415.3 - Total Organic Carbon									
	02/04/2014	17:35	749585	(SM5310C/E415.3)	Total Organic Carbon	ND	mg/L	0.3	1
SM 5310C - Dissolved Organic Carbon									
1/28/2014	02/09/2014	18:44	750795	(SM 5310C)	Dissolved Organic Carbon	ND	mg/L	0.3	1
SM2330B - Hydroxide as OH, Calculated									
	01/29/2014	13:00		(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
SM 2330B - pH of CaCO3 saturation(60C)									
	01/29/2014	13:00		(SM 2330B)	pH of CaCO3 saturation(60C)	11	Units	0.1	1
SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.									
	01/29/2014	13:00		(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	ND	mg/L	2	1

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SM 2330B - Langelier Index - 25 degree								
	02/03/2014	09:57	(SM 2330B)	Langelier Index - 25 degree	-5.5	None		1
SM2330B - Carbonate as CO3, Calculated								
	02/13/2014	03:11	(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1
SM 2340B - Total Hardness as CaCO3 by ICP								
	02/03/2014	09:57	(SM 2340B)	Total Hardness as CaCO3 by ICP (calc)	ND	mg/L	3	1
SM 1030E - Anion Sum - Calculated								
	01/30/2014	12:59	(SM 1030E)	Anion Sum - Calculated	0.22	meq/L	0.001	1
SM 1030E - Cation Sum - Calculated								
	02/03/2014	09:58	(SM 1030E)	Cation Sum - Calculated	0.22	meq/L	0.001	1
SM 2330B - pH of CaCO3 saturation(25C)								
	02/03/2014	09:57	(SM 2330B)	pH of CaCO3 saturation(25C)	11	Units	0.1	1
SM2330B - Bicarb.Alkalinity as HCO3,calc								
	01/30/2014	12:59	(SM2330B)	Bicarb.Alkalinity as HCO3calc	3.4	mg/L	2	1
SM 2330 - Agressiveness Index-Calculated								
	02/03/2014	09:57	(SM 2330)	Agressiveness Index-Calculated	6.4	None	0.1	1
SM 2330B - Langlier Index at 60 degrees C								
	02/13/2014	03:11	(SM 2330B)	Langlier Index at 60 degrees C	-5.1	None		1
SM 1030E - Cation/Anion Difference								
	02/04/2014	01:05	(SM 1030E)	Cation/Anion Difference	2.3	%		1
EPA 505 - Organochlorine Pesticides/PCBs								
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Alachlor (Alanex)	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Aldrin	ND	ug/L	0.01	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Chlordane	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Dieldrin	ND	ug/L	0.01	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Endrin	ND	ug/L	0.01	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Heptachlor	ND	ug/L	0.01	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Heptachlor Epoxide	ND	ug/L	0.01	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Lindane (gamma-BHC)	ND	ug/L	0.01	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	Methoxychlor	ND	ug/L	0.05	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1016 Aroclor	ND	ug/L	0.08	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1221 Aroclor	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1232 Aroclor	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1242 Aroclor	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1248 Aroclor	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1254 Aroclor	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31	748939 (EPA 505)	PCB 1260 Aroclor	ND	ug/L	0.1	1

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1/28/2014	01/29/2014	05:31 748939	(EPA 505)	Total PCBs	ND	ug/L	0.1	1
1/28/2014	01/29/2014	05:31 748939	(EPA 505)	Toxaphene	ND	ug/L	0.5	1
1/28/2014	01/29/2014	05:31 748939	(EPA 505)	Tetrachlorometaxylene	101	%		1
EPA 515.4 - Chlorophenoxy Herbicides								
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	2,4,5-T	ND	ug/L	0.2	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	2,4,5-TP (Silvex)	ND	ug/L	0.2	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	2,4-D	ND	ug/L	0.1	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	2,4-DB	ND	ug/L	2	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	3,5-Dichlorobenzoic acid	ND	ug/L	0.5	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Acifluorfen	ND	ug/L	0.2	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Bentazon	ND	ug/L	0.5	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Dalapon	ND	ug/L	1	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Dicamba	ND	ug/L	0.1	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Dichlorprop	ND	ug/L	0.5	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Dinoseb	ND	ug/L	0.2	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Pentachlorophenol	ND	ug/L	0.04	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Picloram	ND	ug/L	0.1	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	Tot DCPA Mono&Diacid Degradate	ND	ug/L	0.1	1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	2,4-Dichlorophenyl acetic acid	110	%		1
2/2/2014	02/04/2014	13:55 749449	(EPA 515.4)	4,4-Dibromooctafluorobiphenyl	89	%		1
SM 6251B - Haloacetic Acids								
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Bromochloroacetic acid	ND	ug/L	1	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Dibromoacetic acid	ND	ug/L	1	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Dichloroacetic acid	ND	ug/L	1	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Monobromoacetic acid	ND	ug/L	1	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Monochloroacetic acid	ND	ug/L	2	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Total Haloacetic Acids (HAA5)	ND	ug/L	2	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	Trichloroacetic acid	ND	ug/L	1	1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	1,2,3-Trichloropropane	106	%		1
2/3/2014	02/04/2014	17:21 749707	(SM 6251B)	2,3-Dibromopropionic acid	100	%		1
EPA 504.1 - EPA Method 504.1								
1/28/2014	01/29/2014	01:51 748934	(EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
1/28/2014	01/29/2014	01:51 748934	(EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
1/28/2014	01/29/2014	01:51 748934	(EPA 504.1)	1,2-Dibromopropane	95	%		1
EPA 525.2 - Semivolatiles by GCMS								
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Alachlor	ND	ug/L	0.05	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Atrazine	ND	ug/L	0.05	1

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2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Benzo(a)pyrene	ND	ug/L	0.02	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Di-(2-Ethylhexyl)adipate	ND	ug/L	0.6	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Di(2-Ethylhexyl)phthalate	ND	ug/L	0.6	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Hexachlorobenzene	ND	ug/L	0.05	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Hexachlorocyclopentadiene	ND	ug/L	0.05	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Molinate	ND	ug/L	0.1	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Simazine	ND	ug/L	0.05	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Thiobencarb (ELAP)	ND	ug/L	0.2	1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	1,3-Dimethyl-2-nitrobenzene	99	%		1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Acenaphthene-d10	97	%		1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Chrysene-d12	102	%		1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Perylene-d12	89	%		1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Phenanthrene-d10	98	%		1
2/5/2014	02/08/2014	21:42 750931	(EPA 525.2)	Triphenylphosphate	106	%		1
EPA 548.1 - Endothall								
1/28/2014	01/30/2014	13:06 749348	(EPA 548.1)	Endothall	ND	ug/L	5	1
EPA 1613B - 2,3,7,8-TCDD_Dioxin								
2/5/2014	02/08/2014	03:50 750890	(EPA 1613B)	2,3,7,8-TCDD	ND	pg/L	5	1
2/5/2014	02/08/2014	03:50 750890	(EPA 1613B)	C12-2,3,7,8-TCDD	91	%		1
EPA 547 - Glyphosate								
	01/31/2014	19:55 749538	(EPA 547)	Glyphosate	ND	ug/L	6	1
EPA 531.2 - Aldicarb								
	01/30/2014	21:40 749152	(EPA 531.2)	Carbofuran (Furadan)	ND	ug/L	0.5	1
	01/30/2014	21:40 749152	(EPA 531.2)	Oxamyl (Vydate)	ND	ug/L	0.5	1
EPA 549.2 - Diquat and Paraquat								
1/29/2014	01/30/2014	19:26 749304	(EPA 549.2)	Diquat	ND	ug/L	0.4	1
EPA 300.0 - Nitrate, Nitrite by EPA 300.0								
	01/28/2014	21:17 748869	(EPA 300.0)	Nitrate as Nitrogen by IC	0.88	mg/L	0.1	1
	01/28/2014	21:17 748869	(EPA 300.0)	Nitrate as NO3 (calc)	3.9	mg/L	0.44	1
	01/28/2014	21:17 748869	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.05	1
	01/28/2014	21:17 748869	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.88	mg/L	0.1	1
EPA 300.0 - Disinfection ByProducts by 300.0								
	02/06/2014	02:18 750535	(EPA 300.0)	Bromide	17	ug/L	5	1
	02/06/2014	02:18 750535	(EPA 300.0)	Chlorate by IC	ND	ug/L	10	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	01/28/2014	21:17 748872	(EPA 300.0)	Chloride	3.9	mg/L	1	1
	01/28/2014	21:17 748872	(EPA 300.0)	Sulfate	ND	mg/L	0.5	1

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EPA 331.0 - Perchlorate by EPA 331.0								
	01/28/2014	18:30 748627	(EPA 331.0)	Perchlorate	ND	ug/L	2	1
EPA 335.4 - Cyanide by manual distillation								
1/30/2014	01/30/2014	17:31 749300	(EPA 335.4)	Cyanide by manual distillation	ND (B1)	mg/L	0.005	1
EPA 524.2 - Volatile Organics by GCMS								
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1,1,2-Tetrachloroethane	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1-Dichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1-Dichloroethylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,1-Dichloropropene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2-Dichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2-Dichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,3-Dichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	2,2-Dichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	2-Butanone (MEK)	ND	ug/L	5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Benzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Bromobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Bromochloromethane	ND	ug/L	0.5	1
2/1/2014	02/04/2014	11:37 749971	(EPA 524.2)	Bromodichloromethane	1.5	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Bromoethane	ND	ug/L	0.5	1
2/1/2014	02/04/2014	11:37 749971	(EPA 524.2)	Bromoform	1.9	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Bromomethane (Methyl Bromide)	ND (LK)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Carbon disulfide	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Carbon Tetrachloride	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Chlorobenzene	ND	ug/L	0.5	1
2/1/2014	02/04/2014	11:37 749971	(EPA 524.2)	Chlorodibromomethane	1.8	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Chloroethane	ND (LK)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Chloroform (Trichloromethane)	0.81	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	1

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2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	cis-1,3-Dichloropropene	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Dibromomethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Dichlorodifluoromethane	ND (LK,LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Dichloromethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Di-isopropyl ether	ND	ug/L	3	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Ethyl benzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Hexachlorobutadiene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Isopropylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	m,p-Xylenes	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Naphthalene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	n-Butylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	n-Propylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	o-Chlorotoluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	o-Xylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	p-Chlorotoluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	p-Isopropyltoluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	sec-Butylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Styrene	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	tert-amyl Methyl Ether	ND	ug/L	3	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/L	3	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	tert-Butylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Toluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Total 1,3-Dichloropropene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Total THM	6.0	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Total xylenes	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	trans-1,3-Dichloropropene	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Trichloroethylene (TCE)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Trichlorofluoromethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Trichlorotrifluoroethane(Freon 113)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Vinyl chloride (VC)	ND	ug/L	0.3	1

Rounding on totals after summation.
(c) - indicates calculated results

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1 800 566 LABS (1 800 566 5227)

Laboratory Data
Report: 466113

City of Wichita Falls
Mark Southard
4801 Big Ed Neal Dr
Wichita Falls, TX 76310

Samples Received on:
01/28/2014

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	1,2-Dichloroethane-d4	101	%		1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	4-Bromofluorobenzene	92	%		1
2/1/2014	02/01/2014	18:15 749540	(EPA 524.2)	Toluene-d8	98	%		1
SM 4500F-C - Fluoride								
	01/29/2014	22:28 748989	(SM 4500F-C)	Fluoride	ND	mg/L	0.05	1
SM 2320B - Alkalinity in CaCO3 units								
	01/29/2014	19:27 748855	(SM 2320B)	Alkalinity in CaCO3 units	2.7	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
2/2/2014	02/02/2014	16:53 749469	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	ND	mg/L	10	1
SM4500-HB - PH (H3=past HT not compliant)								
	01/28/2014	22:38 748738	(SM4500-HB)	PH (H3=past HT not compliant)	5.7	Units	0.1	1
SM 2120B - Apparent Color								
	01/28/2014	13:29 748707	(SM 2120B)	Apparent Color	ND	ACU	3	1

Travel Blank (201401280139)

Sampled on 01/27/2014 0800

EPA 504.1 - EPA Method 504.1								
2/6/2014	02/06/2014	19:11 750566	(EPA 504.1)	Dibromochloropropane (DBCP)	ND	ug/L	0.01	1
2/6/2014	02/06/2014	19:11 750566	(EPA 504.1)	Ethylene Dibromide (EDB)	ND	ug/L	0.01	1
2/6/2014	02/06/2014	19:11 750566	(EPA 504.1)	1,2-Dibromopropane	92	%		1
EPA 524.2 - Volatile Organics by GCMS								
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1,1,2-Tetrachloroethane	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1,1-Trichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1,2-Trichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1-Dichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1-Dichloroethylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,1-Dichloropropene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2,3-Trichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2-Dichloroethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2-Dichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,3-Dichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	2,2-Dichloropropane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	2-Butanone (MEK)	ND	ug/L	5	1

Rounding on totals after summation.
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Laboratory Data
Report: 466113

City of Wichita Falls
Mark Southard
4801 Big Ed Neal Dr
Wichita Falls, TX 76310

Samples Received on:
01/28/2014

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/L	5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Benzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Bromobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Bromochloromethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Bromodichloromethane	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Bromoethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Bromoform	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Bromomethane (Methyl Bromide)	ND (LK)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Carbon disulfide	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Carbon Tetrachloride	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Chlorobenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Chlorodibromomethane	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Chloroethane	ND (LK)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Chloromethane(Methyl Chloride)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	cis-1,3-Dichloropropene	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Dibromomethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Dichlorodifluoromethane	ND (LK,LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Dichloromethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Di-isopropyl ether	ND	ug/L	3	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Ethyl benzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Hexachlorobutadiene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Isopropylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	m,p-Xylenes	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Methyl Tert-butyl ether (MTBE)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Naphthalene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	n-Butylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	n-Propylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	o-Chlorotoluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	o-Xylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	p-Chlorotoluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	p-Isopropyltoluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	sec-Butylbenzene	ND	ug/L	0.5	1

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(c) - indicates calculated results

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Laboratory Data
Report: 466113

City of Wichita Falls
Mark Southard
4801 Big Ed Neal Dr
Wichita Falls, TX 76310

Samples Received on:
01/28/2014

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Styrene	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	tert-amyl Methyl Ether	ND	ug/L	3	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/L	3	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	tert-Butylbenzene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Toluene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Total 1,3-Dichloropropene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Total THM	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Total xylenes	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	trans-1,3-Dichloropropene	ND (LE)	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Trichloroethylene (TCE)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Trichlorofluoromethane	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Trichlorotrifluoroethane(Freon 113)	ND	ug/L	0.5	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Vinyl chloride (VC)	ND	ug/L	0.3	1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	1,2-Dichloroethane-d4	102	%		1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	4-Bromofluorobenzene	91	%		1
2/1/2014	02/01/2014	18:39 749540	(EPA 524.2)	Toluene-d8	92	%		1

RO Permeate (201401280142)

Sampled on 01/27/2014 1300

SM 2150B - Odor at 60 C (TON)

01/28/2014	11:00	748720	(SM 2150B)	Odor at 60 C (TON)	2.0	TON	1	1
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Client Name: City of Wichita Falls

Report #: 311027

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.043	mg/L	---	02/07/14 16:37	2967456
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	02/05/14 17:15	02/06/14 23:01	2967453

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	1.6	ug/L	---	02/07/14 18:43	2967454
75-25-2	Bromoform	524.2	---	0.5	0.7	ug/L	---	02/07/14 18:43	2967454
67-66-3	Chloroform	524.2	---	0.5	0.7	ug/L	---	02/07/14 18:43	2967454
124-48-1	Dibromochloromethane	524.2	---	0.5	1.7	ug/L	---	02/07/14 18:43	2967454
---	Total Trihalomethanes	524.2	80 *	0.5	4.7	ug/L	---	02/07/14 18:43	2967454
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/07/14 08:30	02/08/14 07:09	2967455
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/07/14 08:30	02/08/14 07:09	2967455
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/07/14 08:30	02/08/14 07:09	2967455
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	02/07/14 08:30	02/08/14 07:09	2967455
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/07/14 08:30	02/08/14 07:09	2967455
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	02/07/14 08:30	02/08/14 07:09	2967455

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 23J-Secondary Res.

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.87	mg/L	---	02/07/14 17:44	2967458
---	Dissolved Organic Carbon \$	5310 C	---	0.500	7.69	mg/L	02/05/14 17:15	02/06/14 23:12	2967457

\$ The state of origin does not offer certification for this parameter.

Client Name: City of Wichita Falls

Report #: 311338

Sampling Point: RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
18496-25-8	Sulfide, Total	4500-S2 D	---	0.05	< 0.05	mg/L	---	02/17/14 12:49	2970288

† UL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Client Name: City of Wichita Falls

Report #: 311351

Sampling Point: 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.026	mg/L	---	02/12/14 04:26	2970398
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	02/11/14 16:30	02/13/14 14:36	2970395

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	1.6	ug/L	---	02/12/14 23:08	2970396
75-25-2	Bromoform	524.2	---	0.5	0.9	ug/L	---	02/12/14 23:08	2970396
67-66-3	Chloroform	524.2	---	0.5	0.7	ug/L	---	02/12/14 23:08	2970396
124-48-1	Dibromochloromethane	524.2	---	0.5	2.0	ug/L	---	02/12/14 23:08	2970396
---	Total Trihalomethanes	524.2	80 *	0.5	5.2	ug/L	---	02/12/14 23:08	2970396
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/14/14 09:00	02/15/14 03:23	2970397
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/14/14 09:00	02/15/14 03:23	2970397
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/14/14 09:00	02/15/14 03:23	2970397
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	02/14/14 09:00	02/15/14 03:23	2970397
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/14/14 09:00	02/15/14 03:23	2970397
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	02/14/14 09:00	02/15/14 03:23	2970397

\$ The state of origin does not offer certification for this parameter.

Sampling Point: 23J-Secondary Reservoir

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.92	mg/L	---	02/12/14 22:39	2970400
---	Dissolved Organic Carbon \$	5310 C	---	0.500	8.36	mg/L	02/11/14 16:30	02/13/14 14:19	2970399

\$ The state of origin does not offer certification for this parameter.

Client Name: City of Wichita Falls

Report #: 311986

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.021	mg/L	---	02/22/14 05:30	2975623
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	02/18/14 16:30	02/26/14 15:42	2975621

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	2.7	ug/L	---	02/21/14 19:54	2975622
75-25-2	Bromoform	524.2	---	0.5	2.0	ug/L	---	02/21/14 19:54	2975622
67-66-3	Chloroform	524.2	---	0.5	1.1	ug/L	---	02/21/14 19:54	2975622
124-48-1	Dibromochloromethane	524.2	---	0.5	3.7	ug/L	---	02/21/14 19:54	2975622
---	Total Trihalomethanes	524.2	80 *	0.5	9.5	ug/L	---	02/21/14 19:54	2975622
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/24/14 08:00	02/25/14 20:58	2975624
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/24/14 08:00	02/25/14 20:58	2975624
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/24/14 08:00	02/25/14 20:58	2975624
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	02/24/14 08:00	02/25/14 20:58	2975624
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/24/14 08:00	02/25/14 20:58	2975624
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	02/24/14 08:00	02/25/14 20:58	2975624

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 23J-Secondary Reservoir

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	1.1	mg/L	---	02/24/14 16:46	2975626
---	Dissolved Organic Carbon \$	5310 C	---	0.500	8.21	mg/L	02/18/14 16:30	02/26/14 15:15	2975625

\$ The state of origin does not offer certification for this parameter.

Client Name: City of Wichita Falls

Report #: 312458

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.018	mg/L	---	02/26/14 19:44	2979787
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	02/25/14 17:00	03/05/14 19:36	2979785

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	3.1	ug/L	---	02/26/14 23:39	2979786
75-25-2	Bromoform	524.2	---	0.5	2.1	ug/L	---	02/26/14 23:39	2979786
67-66-3	Chloroform	524.2	---	0.5	1.2	ug/L	---	02/26/14 23:39	2979786
124-48-1	Dibromochloromethane	524.2	---	0.5	3.7	ug/L	---	02/26/14 23:39	2979786
---	Total Trihalomethanes	524.2	80 *	0.5	10.1	ug/L	---	02/26/14 23:39	2979786
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:30	02/28/14 18:50	2979788
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:30	02/28/14 18:50	2979788
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:30	02/28/14 18:50	2979788
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	02/28/14 07:30	02/28/14 18:50	2979788
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:30	02/28/14 18:50	2979788
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	02/28/14 07:30	02/28/14 18:50	2979788

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 23J-Secondary Reservoir

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	1.1	mg/L	---	02/27/14 15:54	2979790
---	Dissolved Organic Carbon \$	5310 C	---	0.500	8.35	mg/L	02/25/14 17:00	03/05/14 19:19	2979789

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	pH	150.1	6.5-8.5 ^	N/A	5.2	pH units	---	02/26/14 05:10	2981855
---	Color (Apparent) \$	2120 B	15 ^	5.0	< 5.0	Pt/Co units	---	02/27/14 15:30	2981860
---	Color (True) \$	2120 B	15 ^	5.0	< 5.0	Pt/Co units	---	02/27/14 15:30	2981860
---	Odor \$	2150 B	3 ^	1.00	< 1.00	TON	---	02/27/14 15:54	2981871
---	Alkalinity, Total	2320 B	---	1.0	2.8	mg/L as CaCO3	---	03/04/14 15:58	2981855
---	Saturation (Langlier) Index \$	2330 B	---	N/A	-6.93	N/A	---	03/05/14 10:47	2981855
---	Hardness, Calcium \$	2340 B	---	0.25	< 0.25	mg/L as CaCO3	---	03/04/14 14:09	2981870
---	Solids, Dissolved	2540 C	500 ^	10	16	mg/L	---	02/28/14 16:25	2981855
---	Temperature \$	2550 B	---	N/A	14.4	°C	---	02/26/14 05:10	2981855
24959-67-9	Bromide	300.0	---	0.010	0.013	mg/L	---	02/27/14 19:39	2981857
16887-00-6	Chloride	300.0	250 ^	2.0	7.3	mg/L	---	02/28/14 13:26	2981855
14808-79-8	Sulfate	300.0	250 ^	5.0	< 5.0	mg/L	---	02/28/14 13:26	2981855
14797-73-0	Perchlorate \$	331.0	---	0.05	< 0.05	ug/L	---	02/27/14 21:03	2981872
57-12-5	Cyanide, Total	335.4	0.2 *	0.01	< 0.01	mg/L	03/03/14 11:00	03/03/14 14:44	2981861
14797-55-8	Nitrate	353.2	10 *	0.1	0.9	mg/L	---	02/27/14 16:05	2981855
14797-65-0	Nitrite	353.2	1 *	0.01	< 0.01	mg/L	---	02/27/14 15:04	2981855
16984-48-8	Fluoride	4500-F- C	4 *	0.1	< 0.1	mg/L	---	03/04/14 12:54	2981855
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	02/27/14 17:30	02/28/14 18:29	2981864

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7440-70-2	Calcium	200.7	---	0.1	< 0.1	mg/L	---	03/04/14 11:03	2981870
7439-89-6	Iron	200.7	0.3 ^	0.020	< 0.020	mg/L	---	03/04/14 11:03	2981870
7439-95-4	Magnesium	200.7	---	0.1	< 0.1	mg/L	---	03/04/14 11:03	2981870
7440-09-7	Potassium	200.7	---	0.2	0.5	mg/L	---	03/04/14 11:03	2981870
7631-86-9	Silica, Total	200.7	---	0.1	< 0.1	mg/L	---	03/04/14 11:03	2981870
7440-23-5	Sodium	200.7	---	0.1	3.6	mg/L	---	03/04/14 11:03	2981870
7429-90-5	Aluminum	200.8	50 ^	2.0	< 2.0	ug/L	---	03/04/14 22:13	2981870
7440-36-0	Antimony	200.8	6 *	1.0	< 1.0	ug/L	---	03/04/14 22:13	2981870
7440-38-2	Arsenic	200.8	10 *	1.0	< 1.0	ug/L	---	03/04/14 22:13	2981870
7440-39-3	Barium	200.8	2000 *	2.0	< 2.0	ug/L	---	03/04/14 22:13	2981870
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	---	03/04/14 22:13	2981870
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	---	03/04/14 22:13	2981870
7440-47-3	Chromium	200.8	100 *	0.9	< 0.9	ug/L	---	03/04/14 22:13	2981870
7440-50-8	Copper	200.8	1300 !	1.0	< 1.0	ug/L	---	03/04/14 22:13	2981870
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	---	03/04/14 22:13	2981870
7439-96-5	Manganese	200.8	50 ^	2.0	< 2.0	ug/L	---	03/04/14 22:13	2981870
7440-02-0	Nickel	200.8	---	1.0	< 1.0	ug/L	---	03/04/14 22:13	2981870
7782-49-2	Selenium	200.8	50 *	2.0	< 2.0	ug/L	---	03/04/14 22:13	2981870
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	---	03/04/14 22:13	2981870
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	---	03/04/14 22:13	2981870
7440-66-6	Zinc	200.8	5000 ^	5.0	< 5.0	ug/L	---	03/04/14 22:13	2981870
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	03/03/14 10:12	03/03/14 14:51	2981870

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:00	02/28/14 21:33	2981869
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:00	02/28/14 21:33	2981869
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:00	02/28/14 21:33	2981869
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	02/28/14 07:00	02/28/14 21:33	2981869
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	02/28/14 07:00	02/28/14 21:33	2981869
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	02/28/14 07:00	02/28/14 21:33	2981869

Semi-volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed	UL ID #
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	504.1	0.2 *	0.01	< 0.01	ug/L	03/03/14 15:37	03/04/14 06:06	2981876
106-93-4	1,2-Dibromoethane (EDB)	504.1	0.05 *	0.01	< 0.01	ug/L	03/03/14 15:37	03/04/14 06:06	2981876
12674-11-2	Aroclor 1016	505	---	0.08	< 0.08	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
11104-28-2	Aroclor 1221	505	---	0.19	< 0.19	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
11141-16-5	Aroclor 1232	505	---	0.23	< 0.23	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
53469-21-9	Aroclor 1242	505	---	0.26	< 0.26	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
12672-29-6	Aroclor 1248	505	---	0.1	< 0.1	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
11097-69-1	Aroclor 1254	505	---	0.1	< 0.1	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
11096-82-5	Aroclor 1260	505	---	0.2	< 0.2	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
57-74-9	Chlordane	505	2 *	0.1	< 0.1	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
8001-35-2	Toxaphene	505	3 *	1.0	< 1.0	ug/L	02/28/14 15:42	03/01/14 12:25	2981875
94-75-7	2,4-D	515.3	70 *	0.1	< 0.1	ug/L	03/03/14 09:00	03/03/14 23:05	2981859
75-99-0	Dalapon	515.3	200 *	1.0	< 1.0	ug/L	03/03/14 09:00	03/03/14 23:05	2981859
88-85-7	Dinoseb	515.3	7 *	0.1	< 0.1	ug/L	03/03/14 09:00	03/03/14 23:05	2981859
87-86-5	Pentachlorophenol	515.3	1 *	0.04	< 0.04	ug/L	03/03/14 09:00	03/03/14 23:05	2981859
1918-02-1	Picloram	515.3	500 *	0.1	< 0.1	ug/L	03/03/14 09:00	03/03/14 23:05	2981859
93-72-1	2,4,5-TP (Silvex)	515.3	50 *	0.1	< 0.1	ug/L	03/03/14 09:00	03/03/14 23:05	2981859
15972-60-8	Alachlor	525.2	2 *	0.1	< 0.1	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
1912-24-9	Atrazine	525.2	3 *	0.1	< 0.1	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
58-89-9	gamma-BHC (Lindane)	525.2	0.2 *	0.02	< 0.02	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
103-23-1	Di(2-ethylhexyl)adipate	525.2	400 *	0.6	< 0.6	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
117-81-7	Di(2-ethylhexyl)phthalate	525.2	6 *	0.6	< 0.6	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
72-20-8	Endrin	525.2	2 *	0.01	< 0.01	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
76-44-8	Heptachlor	525.2	0.4 *	0.04	< 0.04	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
1024-57-3	Heptachlor epoxide	525.2	0.2 *	0.02	< 0.02	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
118-74-1	Hexachlorobenzene	525.2	1 *	0.1	< 0.1	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
77-47-4	Hexachlorocyclopentadiene	525.2	50 *	0.1	< 0.1	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
72-43-5	Methoxychlor	525.2	40 *	0.1	< 0.1	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
122-34-9	Simazine	525.2	4 *	0.07	< 0.07	ug/L	02/28/14 08:30	03/01/14 12:23	2981874
1563-66-2	Carbofuran	531.2	40 *	0.9	< 0.9	ug/L	03/03/14 09:20	03/03/14 20:39	2981858
23135-22-0	Oxamyl	531.2	200 *	1.0	< 1.0	ug/L	03/03/14 09:20	03/03/14 20:39	2981858
1071-83-6	Glyphosate	547	700 *	6.0	< 6.0	ug/L	03/03/14 12:10	03/04/14 01:19	2981868
145-73-3	Endothall	548.1	100 *	9.0	< 9.0	ug/L	03/03/14 09:00	03/04/14 14:24	2981866
85-00-7	Diquat	549.2	20 *	0.4	< 0.4	ug/L	02/28/14 10:45	03/03/14 14:59	2981863

Any positive Aroclor result would require analysis for total PCB as decachlorobiphenyl by method 508A (MCL = 0.5 ug/L)

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
71-43-2	Benzene	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
108-86-1	Bromobenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
74-97-5	Bromochloromethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-27-4	Bromodichloromethane	524.2	---	0.5	2.8	ug/L	---	02/27/14 19:41	2981873
75-25-2	Bromoform	524.2	---	0.5	2.0	ug/L	---	02/27/14 19:41	2981873
74-83-9	Bromomethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
104-51-8	n-Butylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
135-98-8	sec-Butylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
98-06-6	tert-Butylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
56-23-5	Carbon tetrachloride	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
108-90-7	Chlorobenzene	524.2	100 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-00-3	Chloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
67-66-3	Chloroform	524.2	---	0.5	1.1	ug/L	---	02/27/14 19:41	2981873
74-87-3	Chloromethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
95-49-8	2-Chlorotoluene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
106-43-4	4-Chlorotoluene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
124-48-1	Dibromochloromethane	524.2	---	0.5	3.7	ug/L	---	02/27/14 19:41	2981873
---	Total Trihalomethanes	524.2	80 *	0.5	9.6	ug/L	---	02/27/14 19:41	2981873
96-12-8	1,2-Dibromo-3-chloropropane (DBCP) \$	524.2	---	0.2	< 0.2	ug/L	---	02/27/14 19:41	2981873
106-93-4	1,2-Dibromoethane (EDB) \$	524.2	---	0.2	< 0.2	ug/L	---	02/27/14 19:41	2981873
74-95-3	Dibromomethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
95-50-1	1,2-Dichlorobenzene	524.2	600 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
541-73-1	1,3-Dichlorobenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
106-46-7	1,4-Dichlorobenzene	524.2	75 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-71-8	Dichlorodifluoromethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-34-3	1,1-Dichloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
107-06-2	1,2-Dichloroethane	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-35-4	1,1-Dichloroethylene	524.2	7 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
156-59-2	cis-1,2-Dichloroethylene	524.2	70 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
156-60-5	trans-1,2-Dichloroethylene	524.2	100 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-09-2	Dichloromethane	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
78-87-5	1,2-Dichloropropane	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
142-28-9	1,3-Dichloropropane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
594-20-7	2,2-Dichloropropane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
563-58-6	1,1-Dichloropropylene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
10061-01-5	cis-1,3-Dichloropropylene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
10061-02-6	trans-1,3-Dichloropropylene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
542-75-6	1,3-Dichloropropylene, cis & trans \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
100-41-4	Ethylbenzene	524.2	700 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
87-68-3	Hexachlorobutadiene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
98-82-8	Isopropylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
99-87-6	4-Isopropyltoluene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
1634-04-4	Methyl-t-butyl ether (MTBE) \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
91-20-3	Naphthalene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
103-65-1	n-Propylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
100-42-5	Styrene	524.2	100 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873

Client Name: City of Wichita Falls

Report #: 312668

630-20-6	1,1,1,2-Tetrachloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
79-34-5	1,1,2,2-Tetrachloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
127-18-4	Tetrachloroethylene	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
108-88-3	Toluene	524.2	1000 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
87-61-6	1,2,3-Trichlorobenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
120-82-1	1,2,4-Trichlorobenzene	524.2	70 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
71-55-6	1,1,1-Trichloroethane	524.2	200 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
79-00-5	1,1,2-Trichloroethane	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
79-01-6	Trichloroethylene	524.2	5 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-69-4	Trichlorofluoromethane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
96-18-4	1,2,3-Trichloropropane \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
95-63-6	1,2,4-Trimethylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
108-67-8	1,3,5-Trimethylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
75-01-4	Vinyl chloride	524.2	2 *	0.2	< 0.2	ug/L	---	02/27/14 19:41	2981873
95-47-6	1,2-Xylene	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
179601-23-1	1,3 + 1,4-Xylene	524.2	---	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873
1330-20-7	Xylenes, Total	524.2	10000 *	0.5	< 0.5	ug/L	---	02/27/14 19:41	2981873

Compliance monitoring for 1,2-Dibromo-3-chloropropane (DBCP) must be done using EPA method 504.1.

Compliance monitoring for 1,2-Dibromoethane (EDB) must be done using EPA method 504.1.

Reference Lab Tests									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed	UL ID #
1332-21-4	Asbestos	100.2	7 *	0.2	< 0.2	mf/L	02/27/14 11:24	03/05/14 15:01	2981856
1746-01-6	Dioxin	1613	30 *	5	< 5	pg/L	---	03/05/14 10:52	2981862
---	Foaming Agents (MBAS)	5540 C	0.5 *	0.2	< 0.2	mg/L	---	02/27/14 15:35	2981867

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	pH	150.1	6.5-8.5 ^	N/A	5.3	pH units	---	02/27/14 17:05	2981860

† UL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Client Name: City of Wichita Falls

Report #: 312921

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.015	mg/L	---	03/05/14 16:52	2984306
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	03/04/14 18:00	03/07/14 19:30	2984304

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	2.3	ug/L	---	03/05/14 14:22	2984305
75-25-2	Bromoform	524.2	---	0.5	1.7	ug/L	---	03/05/14 14:22	2984305
67-66-3	Chloroform	524.2	---	0.5	0.9	ug/L	---	03/05/14 14:22	2984305
124-48-1	Dibromochloromethane	524.2	---	0.5	2.8	ug/L	---	03/05/14 14:22	2984305
---	Total Trihalomethanes	524.2	80 *	0.5	7.7	ug/L	---	03/05/14 14:22	2984305
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/06/14 07:40	03/07/14 01:44	2984307
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/06/14 07:40	03/07/14 01:44	2984307
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/06/14 07:40	03/07/14 01:44	2984307
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	03/06/14 07:40	03/07/14 01:44	2984307
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/06/14 07:40	03/07/14 01:44	2984307
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	03/06/14 07:40	03/07/14 01:44	2984307

\$ The state of origin does not offer certification for this parameter.

Sampling Point: TCEQ 23J-Secondary Reservoir

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	1.1	mg/L	---	03/05/14 01:32	2984309
---	Dissolved Organic Carbon \$	5310 C	---	0.500	8.53	mg/L	03/04/14 18:00	03/07/14 19:03	2984308

\$ The state of origin does not offer certification for this parameter.

Client Name: City of Wichita Falls

Report #: 313344

Sampling Point: TCEQ 19J-RO Reject

PWS ID: TX2430001

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7429-90-5	Aluminum	200.8	50 ^	2.0	16	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-38-2	Arsenic	200.8	10 *	1.0	13	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-39-3	Barium	200.8	2000 *	2.0	36	ug/L	03/16/14 15:30	03/17/14 16:07	2988245
7440-41-7	Beryllium	200.8	4 *	0.3	< 1.5	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-43-9	Cadmium	200.8	5 *	1.0	< 5.0	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-47-3	Chromium	200.8	100 *	0.9	< 4.5	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-50-8	Copper	200.8	1300 !	1.0	16	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7439-92-1	Lead	200.8	15 !	1.0	1.9	ug/L	03/16/14 15:30	03/17/14 16:07	2988245
7439-96-5	Manganese	200.8	50 ^	2.0	210	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-02-0	Nickel	200.8	---	1.0	29	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7782-49-2	Selenium	200.8	50 *	2.0	20	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-22-4	Silver	200.8	100 ^	2.0	< 10.0	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	03/16/14 15:30	03/17/14 16:07	2988245
7440-66-6	Zinc	200.8	5000 ^	5.0	110	ug/L	03/16/14 15:30	03/17/14 15:41	2988245
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	03/14/14 09:45	03/14/14 14:00	2988245

Sampling Point: TCEQ 20J-RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
24959-67-9	Bromide	300.0	---	0.010	0.010	mg/L	---	03/12/14 18:06	2988256
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	03/11/14 17:30	03/12/14 22:23	2988254

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	2.0	ug/L	---	03/12/14 01:35	2988255
75-25-2	Bromoform	524.2	---	0.5	1.2	ug/L	---	03/12/14 01:35	2988255
67-66-3	Chloroform	524.2	---	0.5	0.9	ug/L	---	03/12/14 01:35	2988255
124-48-1	Dibromochloromethane	524.2	---	0.5	2.4	ug/L	---	03/12/14 01:35	2988255
---	Total Trihalomethanes	524.2	80 *	0.5	6.5	ug/L	---	03/12/14 01:35	2988255
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/14/14 23:23	2988257
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/14/14 23:23	2988257
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/14/14 23:23	2988257
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	03/14/14 08:30	03/14/14 23:23	2988257
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/14/14 23:23	2988257
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	03/14/14 08:30	03/14/14 23:23	2988257

\$ The state of origin does not offer certification for this parameter.

ALS Environmental -- FC

SAMPLE SUMMARY REPORT

Client: City of Wichita Falls
Project: DPR Verification
Sample ID: RO Permeate
Legal Location:
Collection Date: 1/27/2014 06:00

Date: 07-Feb-14
Work Order: 1401337
Lab ID: 1401337-3
Matrix: WATER
Percent Moisture: 100.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
GAMMA SPECTROSCOPY RESULTS			PAI 713		Prep Date: 1/29/2014	PrepBy: SAM
Ac-228	ND (+/- 19)	U	32	pCi/l	NA	1/30/2014 08:32
Ag-110m	ND (+/- 3.8)	U	6.1	pCi/l	NA	1/30/2014 08:32
Al-26	ND (+/- 6.2)	U	10.1	pCi/l	NA	1/30/2014 08:32
Am-241	ND (+/- 5.1)	U	8.9	pCi/l	NA	1/30/2014 08:32
Be-7	ND (+/- 30)	U	53	pCi/l	NA	1/30/2014 08:32
Bi-212	ND (+/- 68)	U	106	pCi/l	NA	1/30/2014 08:32
Bi-214	ND (+/- 10)	U,J	16	pCi/l	NA	1/30/2014 08:32
Ce-139	ND (+/- 2.5)	U	4.3	pCi/l	NA	1/30/2014 08:32
Ce-144	ND (+/- 17)	U	28	pCi/l	NA	1/30/2014 08:32
Co-56	ND (+/- 8.2)	U	15.1	pCi/l	NA	1/30/2014 08:32
Co-57	ND (+/- 2.1)	U	3.7	pCi/l	NA	1/30/2014 08:32
Co-58	ND (+/- 4.2)	U	7.3	pCi/l	NA	1/30/2014 08:32
Co-60	ND (+/- 5.6)	U	9.8	pCi/l	NA	1/30/2014 08:32
Cr-51	ND (+/- 28)	U	49	pCi/l	NA	1/30/2014 08:32
Cs-134	ND (+/- 4.6)	U	8.4	pCi/l	NA	1/30/2014 08:32
Cs-137	ND (+/- 4.5)	U	7.7	pCi/l	NA	1/30/2014 08:32
Eu-152	ND (+/- 24)	U	39	pCi/l	NA	1/30/2014 08:32
Eu-154	ND (+/- 23)	U	41	pCi/l	NA	1/30/2014 08:32
Eu-155	ND (+/- 10)	U	18	pCi/l	NA	1/30/2014 08:32
Fe-59	ND (+/- 10)	U	17	pCi/l	NA	1/30/2014 08:32
I-131	ND (+/- 4.3)	U	7.5	pCi/l	NA	1/30/2014 08:32
K-40	ND (+/- 81)	U	144	pCi/l	NA	1/30/2014 08:32
Mn-54	ND (+/- 4.4)	U	8	pCi/l	NA	1/30/2014 08:32
Na-22	ND (+/- 5.5)	U	9.7	pCi/l	NA	1/30/2014 08:32
Nb-94	ND (+/- 4.9)	U	8.4	pCi/l	NA	1/30/2014 08:32
Nb-95	ND (+/- 4.7)	U	8	pCi/l	NA	1/30/2014 08:32
Pa-234m	ND (+/- 720)	U	1270	pCi/l	NA	1/30/2014 08:32
Pb-212	ND (+/- 8.6)	U	14.4	pCi/l	NA	1/30/2014 08:32
Pb-214	ND (+/- 11)	U,J	19	pCi/l	NA	1/30/2014 08:32
Ru-106	ND (+/- 42)	U	71	pCi/l	NA	1/30/2014 08:32
Sb-124	ND (+/- 4.7)	U	7.7	pCi/l	NA	1/30/2014 08:32
Sb-125	ND (+/- 11)	U	18	pCi/l	NA	1/30/2014 08:32
Sc-46	ND (+/- 4.5)	U	8.2	pCi/l	NA	1/30/2014 08:32
Th-227	ND (+/- 29)	U	51	pCi/l	NA	1/30/2014 08:32
Th-234	ND (+/- 53)	U	91	pCi/l	NA	1/30/2014 08:32
Tl-208	ND (+/- 6)	U	10.8	pCi/l	NA	1/30/2014 08:32
U-235	34 (+/- 18)	NQ	26	pCi/l	NA	1/30/2014 08:32
Zn-65	ND (+/- 11)	U	20	pCi/l	NA	1/30/2014 08:32
GROSS ALPHA/BETA ANALYSIS BY GFPC			PAI 724		Prep Date: 1/30/2014	PrepBy: JKB
GROSS ALPHA	ND (+/- 0.89)	U	2.36	pCi/l	NA	1/31/2014 13:22
GROSS BETA	ND (+/- 1.4)	U	3.1	pCi/l	NA	1/31/2014 13:22
ICPMS METALS			SW6020		Prep Date: 2/4/2014	PrepBy: NAQ

ALS Environmental -- FC

SAMPLE SUMMARY REPORT

Client: City of Wichita Falls
Project: DPR Verification
Sample ID: RO Permeate
Legal Location:
Collection Date: 1/27/2014 06:00

Date: 07-Feb-14
Work Order: 1401337
Lab ID: 1401337-3
Matrix: WATER
Percent Moisture: 100.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
URANIUM	ND		0.1	UG/L	10	2/5/2014 14:37
RA-226 BY RADON EMANATION - METHOD 903.1						
Ra-226	0.131 (+/- 0.098)	LT	0.044	pCi/l	NA	2/6/2014 15:05
Carr: BARIUM	79.1		40-110	%REC	NA	2/6/2014 15:05
RADIUM-228 ANALYSIS BY GFPC						
Ra-228	ND (+/- 0.25)	U	0.55	pCi/l	NA	2/3/2014 11:13
Carr: BARIUM	97.5		40-110	%REC	NA	2/3/2014 11:13
STRONTIUM-90 ANALYSIS BY GFPC						
Sr-90	ND (+/- 0.28)	U	0.58	pCi/l	NA	2/3/2014 13:35
Carr: STRONTIUM	76.1		40-110	%REC	NA	2/3/2014 13:35
SULFIDE						
SULFIDE	ND		2	MG/L	1	1/31/2014
TRITIUM ANALYSIS BY LIQUID SCINTILLATION						
H-3	ND (+/- 220)	U	380	pCi/l	NA	1/31/2014 18:03

ALS Environmental -- FC

SAMPLE SUMMARY REPORT

Client: City of Wichita Falls
Project: DPR Verification
Sample ID: TCEQ 20J-RO Permeate
Legal Location:
Collection Date: 2/26/2014 05:10

Date: 12-Mar-14
Work Order: 1402418
Lab ID: 1402418-1
Matrix: WATER
Percent Moisture: 100.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
GAMMA SPECTROSCOPY RESULTS			PAI 713		Prep Date: 2/28/2014	PrepBy: SAM
Ac-228	ND (+/- 27)	U	45	pCi/l	NA	3/3/2014 13:26
Ag-110m	ND (+/- 4.3)	U	7	pCi/l	NA	3/3/2014 13:26
Al-26	ND (+/- 4.8)	U	8.6	pCi/l	NA	3/3/2014 13:26
Am-241	ND (+/- 43)	U	69	pCi/l	NA	3/3/2014 13:26
Be-7	ND (+/- 35)	U	60	pCi/l	NA	3/3/2014 13:26
Bi-212	ND (+/- 61)	U	110	pCi/l	NA	3/3/2014 13:26
Bi-214	16.9 (+/- 9.9)	J,NQ	15.2	pCi/l	NA	3/3/2014 13:26
Ce-139	ND (+/- 3.2)	U	5.6	pCi/l	NA	3/3/2014 13:26
Ce-144	ND (+/- 19)	U	32	pCi/l	NA	3/3/2014 13:26
Co-56	ND (+/- 7.6)	U	12.4	pCi/l	NA	3/3/2014 13:26
Co-57	ND (+/- 2.6)	U	4.4	pCi/l	NA	3/3/2014 13:26
Co-58	ND (+/- 4.3)	U	7.9	pCi/l	NA	3/3/2014 13:26
Co-60	ND (+/- 4.5)	U	8.1	pCi/l	NA	3/3/2014 13:26
Cr-51	ND (+/- 39)	U	66	pCi/l	NA	3/3/2014 13:26
Cs-134	ND (+/- 4.3)	U	7.6	pCi/l	NA	3/3/2014 13:26
Cs-137	ND (+/- 4.6)	U	8.1	pCi/l	NA	3/3/2014 13:26
Eu-152	ND (+/- 21)	U	37	pCi/l	NA	3/3/2014 13:26
Eu-154	ND (+/- 23)	U	44	pCi/l	NA	3/3/2014 13:26
Eu-155	ND (+/- 12)	U	20	pCi/l	NA	3/3/2014 13:26
Fe-59	ND (+/- 8.9)	U	14.6	pCi/l	NA	3/3/2014 13:26
I-131	ND (+/- 6.6)	U	11.2	pCi/l	NA	3/3/2014 13:26
K-40	ND (+/- 100)	U	180	pCi/l	NA	3/3/2014 13:26
Mn-54	ND (+/- 4.4)	U	7.8	pCi/l	NA	3/3/2014 13:26
Na-22	ND (+/- 4)	U	7.2	pCi/l	NA	3/3/2014 13:26
Nb-94	ND (+/- 4.6)	U	8.2	pCi/l	NA	3/3/2014 13:26
Nb-95	ND (+/- 4.5)	U	7.3	pCi/l	NA	3/3/2014 13:26
Pa-234m	ND (+/- 730)	U	1140	pCi/l	NA	3/3/2014 13:26
Pb-212	ND (+/- 6.5)	U	10.4	pCi/l	NA	3/3/2014 13:26
Pb-214	ND (+/- 9.4)	U,J	15	pCi/l	NA	3/3/2014 13:26
Ru-106	ND (+/- 39)	U	65	pCi/l	NA	3/3/2014 13:26
Sb-124	ND (+/- 4.5)	U	7.3	pCi/l	NA	3/3/2014 13:26
Sb-125	ND (+/- 10)	U	18	pCi/l	NA	3/3/2014 13:26
Sc-46	ND (+/- 4.6)	U	8.1	pCi/l	NA	3/3/2014 13:26
Th-227	ND (+/- 22)	U	39	pCi/l	NA	3/3/2014 13:26
Th-234	ND (+/- 62)	U	100	pCi/l	NA	3/3/2014 13:26
Tl-208	ND (+/- 8.9)	U	15.1	pCi/l	NA	3/3/2014 13:26
U-235	ND (+/- 22)	U	37	pCi/l	NA	3/3/2014 13:26
Zn-65	ND (+/- 9.8)	U	17.6	pCi/l	NA	3/3/2014 13:26
GROSS ALPHA/BETA ANALYSIS BY GFPC			PAI 724		Prep Date: 3/4/2014	PrepBy: CAS
GROSS ALPHA	ND (+/- 0.59)	U	1.48	pCi/l	NA	3/8/2014 11:05
GROSS BETA	ND (+/- 1)	U	2.1	pCi/l	NA	3/8/2014 11:05
ICPMS METALS			SW6020		Prep Date: 2/28/2014	PrepBy: BAS

ALS Environmental -- FC

SAMPLE SUMMARY REPORT

Client: City of Wichita Falls
Project: DPR Verification
Sample ID: TCEQ 20J-RO Permeate
Legal Location:
Collection Date: 2/26/2014 05:10

Date: 12-Mar-14
Work Order: 1402418
Lab ID: 1402418-1
Matrix: WATER
Percent Moisture: 100.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
URANIUM	ND		0.1	UG/L	10	2/28/2014 15:05
RA-226 BY RADON EMANATION - METHOD 903.1						
Ra-226	ND (+/- 0.086)	U	0.102	pCi/l	NA	3/11/2014 13:33
Carr: BARIUM	93.2		40-110	%REC	NA	3/11/2014 13:33
RADIUM-228 ANALYSIS BY GFPC						
Ra-228	ND (+/- 0.23)	U	0.5	pCi/l	NA	3/7/2014 11:41
Carr: BARIUM	94.8		40-110	%REC	NA	3/7/2014 11:41
STRONTIUM-90 ANALYSIS BY GFPC						
Sr-90	ND (+/- 0.23)	Y1,U	0.49	pCi/l	NA	3/10/2014 09:45
Carr: STRONTIUM	100	Y1	40-110	%REC	NA	3/10/2014 09:45
SULFIDE						
SULFIDE	ND		2	MG/L	1	3/4/2014
TRITIUM ANALYSIS BY LIQUID SCINTILLATION						
H-3	ND (+/- 220)	U	380	pCi/l	NA	3/4/2014 01:45

SULFIDE
Method EPA376.1
Sample Results

Lab Name: ALS Environmental -- FC
Client Name: City of Wichita Falls
Client Project ID: DPR Verification
Work Order Number: 1402418
Reporting Basis: As Received
Prep Method: METHOD
Analyst: Alex J. Devonald

Final Volume: 200 ml
Matrix: WATER
Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	RptLimit/ LOQ	Flag	Sample Aliquot
TCEQ 20J-RO Permeate	1402418-1	02/26/2014	03/04/2014	03/04/2014	N/A	1	2	2	U	200 ml
TCEQ 1J-Wastewater Eff.	1402418-2	02/26/2014	03/04/2014	03/04/2014	N/A	1	2	2	U	200 ml
TCEQ 23J-Secondary Res.	1402418-3	02/26/2014	03/04/2014	03/04/2014	N/A	1	2	2	U	200 ml
TCEQ 40J-Clearwell Eff.	1402418-4	02/26/2014	03/04/2014	03/04/2014	N/A	1	2	2	U	200 ml
TCEQ 28J-Splitter Box Eff.	1402418-5	02/26/2014	03/04/2014	03/04/2014	N/A	1	2	2	U	200 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: s1402418-1

Total Recoverable URANIUM

Method SW6020 Revision A

Sample Results

Lab Name: ALS Environmental -- FC
Client Name: City of Wichita Falls
Client Project ID: DPR Verification
Work Order Number: 1402418
Reporting Basis: As Received
Prep Method: SW3005A
Analyst: Ross Miller
Final Volume: 50 g
Matrix: WATER
Result Units: UG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	RptLimit/ LOQ	Flag	Sample Aliquot
TCEQ 20J-RO Permeate	1402418-1	02/26/2014	02/28/2014	02/28/2014	N/A	10	0.1	0.1	U	50 g
TCEQ 1J-Wastewater Eff.	1402418-2	02/26/2014	02/28/2014	02/28/2014	N/A	10	0.13	0.1		50 g
TCEQ 23J-Secondary Res.	1402418-3	02/26/2014	02/28/2014	02/28/2014	N/A	10	1.8	0.1		50 g
TCEQ 40J-Clearwell Eff.	1402418-4	02/26/2014	02/28/2014	02/28/2014	N/A	10	0.14	0.1		50 g
TCEQ 28J-Splitter Box Eff.	1402418-5	02/26/2014	02/28/2014	02/28/2014	N/A	10	0.95	0.1		50 g

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *im1402418-1*

Date Printed: Monday, March 03, 2014

ALS Environmental -- FC

LIMS Version: 6.697

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Total Recoverable URANIUM

Method SW6020 Revision A

Sample Results

Lab Name: ALS Environmental -- FC
Client Name: City of Wichita Falls
Client Project ID: DPR Verification
Work Order Number: 1403168
Reporting Basis: As Received
Prep Method: SW3005A
Analyst: Ross Miller
Final Volume: 50 ml
Matrix: WATER
Result Units: UG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	RptLimit/ LOQ	Flag	Sample Aliquot
RRWWTP Effluent	1403168-1	03/11/2014	03/12/2014	03/13/2014	N/A	10	0.13	0.1		50 ml
Secondary Reservoir	1403168-2	03/11/2014	03/12/2014	03/13/2014	N/A	10	1.7	0.1		50 ml
Clearwell Effluent	1403168-3	03/11/2014	03/12/2014	03/13/2014	N/A	10	0.65	0.1		50 ml
Splitter Box Effluent	1403168-4	03/11/2014	03/12/2014	03/13/2014	N/A	10	0.94	0.1		50 ml
RO Permeate	1403168-5	03/11/2014	03/12/2014	03/13/2014	N/A	10	0.1	0.1	U	50 ml

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *im1403168-1*

Date Printed: Monday, March 17, 2014

ALS Environmental -- FC

LIMS Version: 6.701

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Sampling Point: RO Permeate

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	pH	150.1	6.5-8.5 ^	N/A	5.3	pH units	---	03/14/14 11:53	2989686
---	Color (Apparent) \$	2120 B	15 ^	5.0	< 5.0	Pt/Co units	---	03/14/14 11:48	2989686
---	Color (True) \$	2120 B	15 ^	5.0	< 5.0	Pt/Co units	---	03/14/14 11:48	2989686
---	Odor \$	2150 B	3 ^	1.00	1.0	TON	---	03/14/14 11:50	2989697
---	Alkalinity, Total	2320 B	---	1.0	3.7	mg/L as CaCO3	---	03/14/14 16:50	2989681
---	Saturation (Langlier) Index \$	2330 B	---	N/A	-6.73	N/A	---	03/20/14 14:36	2989681
---	Hardness, Calcium \$	2340 B	---	N/A	0.08	N/A	---	03/19/14 13:09	2989696
---	Solids, Dissolved	2540 C	500 ^	10	38	mg/L	---	03/17/14 14:50	2989681
---	Temperature \$	2550 B	---	N/A	18.3	°C	---	03/11/14 05:30	2989681
24959-67-9	Bromide	300.0	---	0.010	< 0.010	mg/L	---	03/18/14 19:44	2989683
16887-00-6	Chloride	300.0	250 ^	2.0	2.6	mg/L	---	03/14/14 01:49	2989681
14808-79-8	Sulfate	300.0	250 ^	5.0	< 5.0	mg/L	---	03/14/14 01:49	2989681
14797-73-0	Perchlorate \$	331.0	---	0.05	< 0.05	ug/L	---	03/14/14 17:58	2989698
57-12-5	Cyanide, Total	335.4	0.2 *	0.01	< 0.01	mg/L	03/14/14 12:00	03/14/14 15:16	2989687
14797-55-8	Nitrate	353.2	10 *	0.1	1.4	mg/L	---	03/13/14 15:44	2989681
14797-65-0	Nitrite	353.2	1 *	0.01	< 0.01	mg/L	---	03/13/14 15:04	2989681
16984-48-8	Fluoride	4500-F- C	4 *	0.1	< 0.1	mg/L	---	03/17/14 13:45	2989681
---	Dissolved Organic Carbon \$	5310 C	---	0.500	< 0.500	mg/L	03/13/14 19:00	03/14/14 04:17	2989690

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7440-70-2	Calcium	200.7	---	0.1	< 0.1	mg/L	---	03/18/14 13:08	2989696
7439-89-6	Iron	200.7	0.3 ^	0.020	< 0.020	mg/L	---	03/18/14 13:08	2989696
7439-95-4	Magnesium	200.7	---	0.1	< 0.1	mg/L	---	03/18/14 13:08	2989696
7440-09-7	Potassium	200.7	---	0.2	0.5	mg/L	---	03/18/14 13:08	2989696
7631-86-9	Silica, Total	200.7	---	0.1	< 0.1	mg/L	---	03/18/14 13:08	2989696
7440-23-5	Sodium	200.7	---	0.1	3.4	mg/L	---	03/18/14 13:08	2989696
7429-90-5	Aluminum	200.8	50 ^	2.0	< 2.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-36-0	Antimony	200.8	6 *	1.0	< 1.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-38-2	Arsenic	200.8	10 *	1.0	< 1.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-39-3	Barium	200.8	2000 *	2.0	< 2.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-47-3	Chromium	200.8	100 *	0.9	< 0.9	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-50-8	Copper	200.8	1300 !	1.0	< 1.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7439-96-5	Manganese	200.8	50 ^	2.0	< 2.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-02-0	Nickel	200.8	---	1.0	< 1.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7782-49-2	Selenium	200.8	50 *	2.0	< 2.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7440-66-6	Zinc	200.8	5000 ^	5.0	< 5.0	ug/L	03/18/14 19:00	03/18/14 20:05	2989696
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	03/14/14 09:45	03/14/14 14:14	2989696

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
631-64-1	Dibromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/15/14 03:41	2989695
79-43-6	Dichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/15/14 03:41	2989695
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/15/14 03:41	2989695
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	03/14/14 08:30	03/15/14 03:41	2989695
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/15/14 03:41	2989695
---	Total HAA5	552.2	60 *	2.0	< 2.0	ug/L	03/14/14 08:30	03/15/14 03:41	2989695

Semi-volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed	UL ID #
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	504.1	0.2 *	0.01	< 0.01	ug/L	03/13/14 15:45	03/13/14 21:17	2989691
106-93-4	1,2-Dibromoethane (EDB)	504.1	0.05 *	0.01	< 0.01	ug/L	03/13/14 15:45	03/13/14 21:17	2989691
12674-11-2	Aroclor 1016	505	---	0.08	< 0.08	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
11104-28-2	Aroclor 1221	505	---	0.19	< 0.19	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
11141-16-5	Aroclor 1232	505	---	0.23	< 0.23	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
53469-21-9	Aroclor 1242	505	---	0.26	< 0.26	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
12672-29-6	Aroclor 1248	505	---	0.1	< 0.1	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
11097-69-1	Aroclor 1254	505	---	0.1	< 0.1	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
11096-82-5	Aroclor 1260	505	---	0.2	< 0.2	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
57-74-9	Chlordane	505	2 *	0.1	< 0.1	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
8001-35-2	Toxaphene	505	3 *	1.0	< 1.0	ug/L	03/13/14 14:01	03/14/14 01:02	2989701
94-75-7	2,4-D	515.3	70 *	0.1	< 0.1	ug/L	03/17/14 08:37	03/18/14 22:40	2989685
75-99-0	Dalapon	515.3	200 *	1.0	< 1.0	ug/L	03/17/14 08:37	03/18/14 22:40	2989685
88-85-7	Dinoseb	515.3	7 *	0.1	< 0.1	ug/L	03/17/14 08:37	03/18/14 22:40	2989685
87-86-5	Pentachlorophenol	515.3	1 *	0.04	< 0.04	ug/L	03/17/14 08:37	03/18/14 22:40	2989685
1918-02-1	Picloram	515.3	500 *	0.1	< 0.1	ug/L	03/17/14 08:37	03/18/14 22:40	2989685
93-72-1	2,4,5-TP (Silvex)	515.3	50 *	0.1	< 0.1	ug/L	03/17/14 08:37	03/18/14 22:40	2989685
15972-60-8	Alachlor	525.2	2 *	0.1	< 0.1	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
1912-24-9	Atrazine	525.2	3 *	0.1	< 0.1	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
50-32-8	Benzo(a)pyrene	525.2	0.2 *	0.02	< 0.02	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
58-89-9	gamma-BHC (Lindane)	525.2	0.2 *	0.02	< 0.02	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
103-23-1	Di(2-ethylhexyl)adipate	525.2	400 *	0.6	< 0.6	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
117-81-7	Di(2-ethylhexyl)phthalate	525.2	6 *	0.6	< 0.6	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
72-20-8	Endrin	525.2	2 *	0.01	< 0.01	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
76-44-8	Heptachlor	525.2	0.4 *	0.04	< 0.04	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
1024-57-3	Heptachlor epoxide	525.2	0.2 *	0.02	< 0.02	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
118-74-1	Hexachlorobenzene	525.2	1 *	0.1	< 0.1	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
77-47-4	Hexachlorocyclopentadiene	525.2	50 *	0.1	< 0.1	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
72-43-5	Methoxychlor	525.2	40 *	0.1	< 0.1	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
122-34-9	Simazine	525.2	4 *	0.07	< 0.07	ug/L	03/14/14 09:00	03/14/14 22:08	2989700
1563-66-2	Carbofuran	531.2	40 *	0.9	< 0.9	ug/L	03/14/14 09:15	03/17/14 13:46	2989684
23135-22-0	Oxamyl	531.2	200 *	1.0	< 1.0	ug/L	03/14/14 09:15	03/17/14 13:46	2989684
1071-83-6	Glyphosate	547	700 *	6.0	< 6.0	ug/L	03/14/14 14:45	03/15/14 01:33	2989694
145-73-3	Endothall	548.1	100 *	9.0	< 9.0	ug/L	03/13/14 09:00	03/14/14 12:51	2989692
85-00-7	Diquat	549.2	20 *	0.4	< 0.4	ug/L	03/13/14 09:30	03/13/14 16:13	2989689

Any positive Aroclor result would require analysis for total PCB as decachlorobiphenyl by method 508A (MCL = 0.5 ug/L)

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
71-43-2	Benzene	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
108-86-1	Bromobenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
74-97-5	Bromochloromethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-27-4	Bromodichloromethane	524.2	---	0.5	2.3	ug/L	---	03/13/14 23:13	2989699
75-25-2	Bromoform	524.2	---	0.5	1.3	ug/L	---	03/13/14 23:13	2989699
74-83-9	Bromomethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
104-51-8	n-Butylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
135-98-8	sec-Butylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
98-06-6	tert-Butylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
56-23-5	Carbon tetrachloride	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
108-90-7	Chlorobenzene	524.2	100 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-00-3	Chloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
67-66-3	Chloroform	524.2	---	0.5	1.0	ug/L	---	03/13/14 23:13	2989699
74-87-3	Chloromethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
95-49-8	2-Chlorotoluene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
106-43-4	4-Chlorotoluene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
124-48-1	Dibromochloromethane	524.2	---	0.5	2.6	ug/L	---	03/13/14 23:13	2989699
---	Total Trihalomethanes	524.2	80 *	0.5	7.2	ug/L	---	03/13/14 23:13	2989699
96-12-8	1,2-Dibromo-3-chloropropane (DBCP) \$	524.2	---	0.2	< 0.2	ug/L	---	03/13/14 23:13	2989699
106-93-4	1,2-Dibromoethane (EDB) \$	524.2	---	0.2	< 0.2	ug/L	---	03/13/14 23:13	2989699
74-95-3	Dibromomethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
95-50-1	1,2-Dichlorobenzene	524.2	600 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
541-73-1	1,3-Dichlorobenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
106-46-7	1,4-Dichlorobenzene	524.2	75 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-71-8	Dichlorodifluoromethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-34-3	1,1-Dichloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
107-06-2	1,2-Dichloroethane	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-35-4	1,1-Dichloroethylene	524.2	7 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
156-59-2	cis-1,2-Dichloroethylene	524.2	70 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
156-60-5	trans-1,2-Dichloroethylene	524.2	100 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-09-2	Dichloromethane	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
78-87-5	1,2-Dichloropropane	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
142-28-9	1,3-Dichloropropane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
594-20-7	2,2-Dichloropropane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
563-58-6	1,1-Dichloropropylene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
10061-01-5	cis-1,3-Dichloropropylene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
10061-02-6	trans-1,3-Dichloropropylene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
542-75-6	1,3-Dichloropropylene, cis & trans \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
100-41-4	Ethylbenzene	524.2	700 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
87-68-3	Hexachlorobutadiene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
98-82-8	Isopropylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
99-87-6	4-Isopropyltoluene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
1634-04-4	Methyl-t-butyl ether (MTBE) \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
91-20-3	Naphthalene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
103-65-1	n-Propylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
100-42-5	Styrene	524.2	100 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699

630-20-6	1,1,1,2-Tetrachloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
79-34-5	1,1,2,2-Tetrachloroethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
127-18-4	Tetrachloroethylene	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
108-88-3	Toluene	524.2	1000 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
87-61-6	1,2,3-Trichlorobenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
120-82-1	1,2,4-Trichlorobenzene	524.2	70 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
71-55-6	1,1,1-Trichloroethane	524.2	200 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
79-00-5	1,1,2-Trichloroethane	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
79-01-6	Trichloroethylene	524.2	5 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-69-4	Trichlorofluoromethane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
96-18-4	1,2,3-Trichloropropane \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
95-63-6	1,2,4-Trimethylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
108-67-8	1,3,5-Trimethylbenzene \$	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
75-01-4	Vinyl chloride	524.2	2 *	0.2	< 0.2	ug/L	---	03/13/14 23:13	2989699
95-47-6	1,2-Xylene	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
179601-23-1	1,3 + 1,4-Xylene	524.2	---	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699
1330-20-7	Xylenes, Total	524.2	10000 *	0.5	< 0.5	ug/L	---	03/13/14 23:13	2989699

Compliance monitoring for 1,2-Dibromo-3-chloropropane (DBCP) must be done using EPA method 504.1.

Compliance monitoring for 1,2-Dibromoethane (EDB) must be done using EPA method 504.1.

Reference Lab Tests									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed	UL ID #
1332-21-4	Asbestos	100.2	7 *	0.2	< 0.2	mf/L	03/12/14 13:01	03/18/14 16:40	2989682
1746-01-6	Dioxin	1613	30 *	10	< 10	pg/L	---	03/19/14 15:33	2989688
---	Foaming Agents (MBAS)	5540 C	0.5 *	0.2	< 0.2	mg/L	---	02/05/14 16:57	2989693

\$ The state of origin does not offer certification for this parameter.

† UL has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

TCEQ 20J Online Equipment Calibration Summary

Online Equipment List

TCEQ-20J		
Parameter:	Manufacturer:	Part #:
RO Train #4		
Permeate $\mu\text{S}/\text{m}$	Endress+ Hauser/ Liquisys M CLM223	Part #: CD1010
Ro Train #6		
Permeate $\mu\text{S}/\text{m}$	Endress+ Hauser/ Liquisys M CLM223	Part #: CD1010

Online Equipment Calibration

Startup Month #1				30 day cal.			
1/26/2014				02/25/14			
TCEQ-20J	unit/cal.	standard	TCEQ-20J	unit/cal.	standard		
Train #4			Train #4				
Permeate $\mu\text{S/m}$	1410/1413	1413 Exp: Feb. 15	Permeate $\mu\text{S/m}$	1110/1413	1413 Exp: Feb. 15		
Train #6			Train #6				
Permeate $\mu\text{S/m}$	1296/1413	1413 Exp: Feb. 15	Permeate $\mu\text{S/m}$	1184/1413	1413 Exp: Feb. 15		

Online Equipment Verification

	Week #1	Week #2	Week #3	Week #4	Week #5	Week #6	Week #7
	1/27/2014	02/03/14	02/10/14	02/17/14	02/24/14	3/3/14	3/10/14
TCEQ-20J	unit/sample	unit/sample	unit/sample	unit/sample	unit/sample	unit/sample	unit/sample
RO Train #4 conductivity							
Permeate µS/m	1893/1876	2036/2055	1957/1968	1823/1855	2180/2395	2.46/2.87	not in service
Ro Train #6 conductivity							
Permeate µS/m	not in service	not in service	not in service	not in service	not in service	not in service	2.87/2.55

TCEQ 20J Flow Meter Calibration Summary

CALIBRATION/VERIFICATION REPORT ORIFICE FLOW METERS

DATE: 2/5/14

CUSTOMER: City of Wichita Falls, TX, Cypress WTP

INSTRUMENT DESCRIPTION: R.O. Train 4 Effluent Flowmeter,

MANUFACTURER:	Rosemount
MODEL NO.:	3051SFC
SIZE:	8"
SERIAL NUMBER:	0031275
MANUFACTURER DATE:	May 2008
SPAN:	0-1,800 GPM (2.592 MGD)
DIFFERENTIAL AT 1800 GPM:	319.337" w.c.
DIFFERENTIAL AT 900 GPM:	79.834" w.c.
DIFFERENTIAL AT 0 GPM	0.000" w.c.
BETA RATIO:	0.65

CALIBRATION/VERIFICATION PROCEDURE: The differential pressure transmitter was isolated from the process connections. The high and low pressure ports were vented and drained. A pressure pump and pressure module were connected to the high pressure port. The pump provided 320" w.c. to the high pressure port and the signal output was measured and the local flow display was observed and logged

RESULTS
2/1/14

TRANSMITTER OUTPUT SIGNAL VERIFICATION

APPLIED DIFFERENTIAL PRESSURE (W.C.)	EXPECTED OUTPUT SIGNAL (mA)	MEASURED OUTPUT SIGNAL (mA)	DISPLAY FLOW RATE (GPM)
0"	4.00	4.00	0
80"	12.00	11.91	890
320"	20.00	20.04	1800

TEST EQUIPMENT

PRESSURE MODULE: Fluke 700P05, 0-30 PSIG, Due 8/26/14

PRESSURE CALIBRATOR: Fluke 725, Due 8/26/14

PRESSURE PUMP: Ametek

All measurements are within the accuracy tolerance (+/- 2.0 %) of the flow meter.

Calibration/Verification by:

Date: 2/6/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

RESULTS
2/26/14

TRANSMITTER OUTPUT SIGNAL VERIFICATION

APPLIED DIFFERENTIAL PRESSURE (W.C.)	EXPECTED OUTPUT SIGNAL (mA)	MEASURED OUTPUT SIGNAL (mA)	DISPLAY FLOW RATE (GPM)
0"	4.00	4.00	0
80"	12.00	11.85	883
320"	20.00	20.02	1800

TEST EQUIPMENT

PRESSURE MODULE: Fluke 700P05, 0-30 PSIG, Due 8/26/14

PRESSURE CALIBRATOR: Fluke 725, Due 8/26/14

PRESSURE PUMP: Ametek

All measurements are within the accuracy tolerance (+/- 2.0 %) of the flow meter.

Calibration/Verification by:

Date: 3/1/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

RESULTS
3/9/14

TRANSMITTER OUTPUT SIGNAL VERIFICATION

APPLIED DIFFERENTIAL PRESSURE (W.C.)	EXPECTED OUTPUT SIGNAL (mA)	MEASURED OUTPUT SIGNAL (mA)	DISPLAY FLOW RATE (GPM)
0"	4.00	4.00	0
80"	12.00	11.91	890
320"	20.00	20.02	1800

TEST EQUIPMENT

PRESSURE MODULE: Fluke 700P05, 0-30 PSIG, Due 8/26/14

PRESSURE CALIBRATOR: Fluke 725, Due 8/26/14

PRESSURE PUMP: Ametek

All measurements are within the accuracy tolerance (+/- 2.0 %) of the flow meter.

Calibration/Verification by:

Date: 3/10/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

CALIBRATION/VERIFICATION REPORT ORIFICE FLOW METERS

DATE: 2/26/14

CUSTOMER: City of Wichita Falls, TX, Cypress WTP

INSTRUMENT DESCRIPTION: R.O. Train 6 Effluent Flowmeter,

MANUFACTURER:	Rosemount
MODEL NO.:	30051S1AA1D1
SIZE:	8"
SERIAL NUMBER:	0031278
MANUFACTURER DATE:	May 2008
SPAN:	0-1,800 GPM (2.592 MGD)
DIFFERENTIAL AT 1800 GPM:	319.337" w.c.
DIFFERENTIAL AT 900 GPM:	79.834" w.c.
DIFFERENTIAL AT 0 GPM	0.000" w.c.
BETA RATIO:	0.65

CALIBRATION/VERIFICATION PROCEDURE: The differential pressure transmitter was isolated from the process connections. The high and low pressure ports were vented and drained. A pressure pump and pressure module were connected to the high pressure port. The pump provided 320" w.c. to the high pressure port and the signal output was measured and the local flow display was observed and logged

RESULTS
2/26/14

TRANSMITTER OUTPUT SIGNAL VERIFICATION

APPLIED DIFFERENTIAL PRESSURE (W.C.)	EXPECTED OUTPUT SIGNAL (mA)	MEASURED OUTPUT SIGNAL (mA)	DISPLAY FLOW RATE (GPM)
0.0"	4.00	4.00	0
79.8"	12.00	11.80	878
319.5"	20.00	20.04	1800

TEST EQUIPMENT

PRESSURE MODULE: Fluke 700P05, 0-30 PSIG, Due 8/26/14

PRESSURE CALIBRATOR: Fluke 725, Due 8/26/14

PRESSURE PUMP: Ametek

All measurements are within the accuracy tolerance (+/- 2.0 %) of the flow meter.

Calibration/Verification by:

Date: 3/1/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

RESULTS

3/8/14

TRANSMITTER OUTPUT SIGNAL VERIFICATION

APPLIED DIFFERENTIAL PRESSURE (W.C.)	EXPECTED OUTPUT SIGNAL (mA)	MEASURED OUTPUT SIGNAL (mA)	DISPLAY FLOW RATE (GPM)
0.0"	4.00	4.00	0
79.8"	12.00	11.72	869
319.5"	20.00	20.04	1800

TEST EQUIPMENT

PRESSURE MODULE: Fluke 700P05, 0-30 PSIG, Due 8/26/14

PRESSURE CALIBRATOR: Fluke 725, Due 8/26/14

PRESSURE PUMP: Ametek

All measurements are within the accuracy tolerance (+/- 2.0 %) of the flow meter.

Calibration/Verification by:

Date: 3/10/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

CALIBRATION/VERIFICATION REPORT MAGNETIC FLOW METERS

DATE: 1/31/14

CUSTOMER: City of Wichita Falls, TX, Cypress WTP

INSTRUMENT DESCRIPTION: Total Permeate Effluent Flowmeter, Tag 401FE/FIT

MANUFACTURER:	ABB
MODEL NO.:	MFF501342101004ER
SIZE:	20"
SERIAL NUMBER:	
FLOW TUBE:	04W020221
TRANSMITTER:	041025142
MANUFACTURER DATE:	April 2005
SPAN:	0-15.0 MGD

CALIBRATION/VERIFICATION PROCEDURE: Magnetic Flowmeters installed at Cypress WTP cannot be flow calibrated in-situ. The flow tubes and transmitters must be wet-calibrated in similar pipe installations as installed in processes at a NIST-certified calibration facility. However, the factory calibration constants are stored in the flow tubes and/or the flow transmitters. In-situ magnetic flow meter verification was performed by confirming that the calibration factors that were derived during factory calibration are being used in the flow transmitter. The transmitter was placed in the Simulate Mode and specific output signals were generated by the transmitter in accordance with the manually entered flow rate. The 4-20 mA output signal output was measured and logged.

RESULTS
1/31/14

CALIBRATION FACTORS

	<u>Factory Calibration Values</u>	<u>Transmitter Observed Values</u>
CF#1	1.40284	1.40284
CF#2	-14	-14
CF#3	5	5
CF#4	1.0000	1.000

TRANSMITTER OUTPUT SIGNAL VERIFICATION

<u>FLOW RATE</u>	<u>EXPECTED SIGNAL</u>	<u>MEASURED SIGNAL</u>
0.0 MGD	4.00 mA	4.005 mA
3.02 MGD	7.221 mA	7.244 mA

* Since the meter was in service no other Flow Rate Setting could be established

TEST EQUIPMENT: FLUKE 725 Process Calibrator, Due 8/26/14

All measurements are within the accuracy tolerance (+/- 0.50 %) of the flow meter.

Calibration/Verification by:

Date: 2/7/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

RESULTS
2/25/14

CALIBRATION FACTORS

	<u>Factory Calibration Values</u>	<u>Transmitter Observed Values</u>
CF#1	1.40284	1.40284
CF#2	-14	-14
CF#3	5	5
CF#4	1.0000	1.000

TRANSMITTER OUTPUT SIGNAL VERIFICATION

<u>FLOW RATE</u>	<u>EXPECTED SIGNAL</u>	<u>MEASURED SIGNAL</u>
0.00 MGD	4.00 mA	4.00 mA
1.77 MGD	5.89 mA	5.87 mA

* Since the meter was in service no other Flow Rate Setting could be established

TEST EQUIPMENT: FLUKE 725 Process Calibrator, Due 8/26/14

All measurements are within the accuracy tolerance (+/- 0.50 %) of the flow meter.

Calibration/Verification by:

Date: 3/1/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060

RESULTS
3/9/14

CALIBRATION FACTORS

	<u>Factory Calibration Values</u>	<u>Transmitter Observed Values</u>
CF#1	1.40284	1.40284
CF#2	-14	-14
CF#3	5	5
CF#4	1.0000	1.000

TRANSMITTER OUTPUT SIGNAL VERIFICATION

<u>FLOW RATE</u>	<u>EXPECTED SIGNAL</u>	<u>MEASURED SIGNAL</u>
0.0 MGD	4.00 mA	4.00 mA
2.01 MGD	6.14 mA	6.12 mA

* Since the meter was in service no other Flow Rate Setting could be established

TEST EQUIPMENT: FLUKE 725 Process Calibrator, Due 8/26/14

All measurements are within the accuracy tolerance (+/- 0.50 %) of the flow meter.

Calibration/Verification by:

Date: 3/10/14



Jerry W. Bauman
Bauman Instrument Corp.
918/261-6060