TCEQ – 10J

Selected MF Membrane Unit Filtrate Quality

Site Description:

This site is after the MF unit vacuum pump and prior to blending with any other MF filtrate. The analysis performed at this location is used to demonstrate MF unit performance, as it relates to turbidity, flux rate, specific flux rate, TMP, etc..

Protocol:

TCEQ – 10J Selected MF Membrane Unit Filtrate Quality (after vacuum pump and prior to blending with any other MF filtrate									
	5-min	15-min	2-hr	4-hr	1/day	1/day or Δ	2/week	1/week	S/30/E
Effluent turbidity	X								
Outlet pressure, vacuum		X							
Selected MF unit's effluent flow rate		X							
Temperature		X							
pH level		X							
Calculated average transmembrane pressure				X					
Calculated average flux rate				X					
Calculated average specific flux rate				X					
Calculated average specific flux rate normalized to 20 ˚C				X					
SDI					X				
Alkalinity								X	
TOC								X	
DOC								X	
E. coli									X
Giardia									X
Cryptosporidium									X
Total culturable viruses									X

Summary Table:

TCEQ – 10J Selected MF Membrane Unit Filtrate Quality

	MF 4 Turbidity	MF 5 Turbidity	Outlet PSI Cell 4	Flow Cell 4	Cell 4 TMP	AVG Normalized Flux, 4	AVG Specific Flux @ 20, 4	Outlet PSI Cell 5	Flow Cell 5	Cell 5 TMP	AVG Normalized Flux, 5
Units	mNTU	mNTU	psi	gpm	psi	gfd	gfd	psi	gpm	psi	gfd
Min	21.00	17.00	-38.24	0.00	0.03	1.95	1.12	-38.23	0.00	0.13	0.01
Max	606.00	942.00	6.85	2354.00	4.70	21.25	13.35	13.89	2039.60	8.40	22.82
Avg	26.74	21.61	0.69	1288.61	2.76	15.57	6.04	-1.97	466.48	4.36	11.69
95th %	34.00	25.00	4.21	1842.00	3.60	19.76	10.93	7.20	1689.00	6.20	20.57
n	8374	3069	4176	4176	3270	260	260	4176	4176	1214	254

	AVG Specific Flux @ 20, 5	SDI	Alkalinity	TOC	DOC on-site	DOC off-site	Temp	pH	*E. Coli*	*Giardia*	*Cryptosporidium*
Units	gfd		ppm	ppm	ppm	ppm	˚C		MPN	Cysts/L	Oocysts/L
Min	0.00	0.09	88.00	11.85	10.86	10.60	0.00	5.29	0	0	0
Max	8.83	2.60	114.00	14.31	13.06	12.90	17.63	14.00	0	0	0
Avg	2.72	0.49	101.50	12.99	11.74	11.62	13.61	7.51	0	0	0
95th %	4.95	1.27	112.25	14.07	12.99	12.75	16.79	12.25	0	0	0
n	254	44	9	8	8	7	4176	4176	3	3	3

Calculations:

Flux rate = Max flow divided by the square feet of membrane per cell (151357.8 sq. ft.)

Viscosity of water at temperature T = $1.784-(0.0575*T)+(0.0011*T^2)-(10^{-5}*T^3)$

Normalized flux rate = $J_T*[1.784-(0.0575*T)+(0.0011*T^2)-(10^{-5}*T^3)]$, where J_T is the actual flux rate at temperature T

Viscosity of water at 20˚C = $(J_T*u_T)/J_{20,}$ where J_T is the flux rate at temperature T, u_T is the viscosity of water at temperature T and J_{20} is the normalized flux rate to 20˚C

Temperature correction factor = u_T/u_{20}, where u_T is the viscosity of water at temperature T and u_{20} is the viscosity of water at 20˚C

Temperature and pressure normalized flux rate = J_{20}/TMP, where J_{20} is the normalized flux rate at 20˚C and TMP is the transmembrane pressure

Conclusions:

Constituent reduction performance was satisfactory with the MF units.

Turbidity was reduced to an average of < 0.050 NTU, 95% of the time the Full Scale Verification test was run.

Total Organic Carbon and Dissolved Organic Carbon was further reduced, but as with the 2008 MF/RO Clarification, it was less than 11% on average.

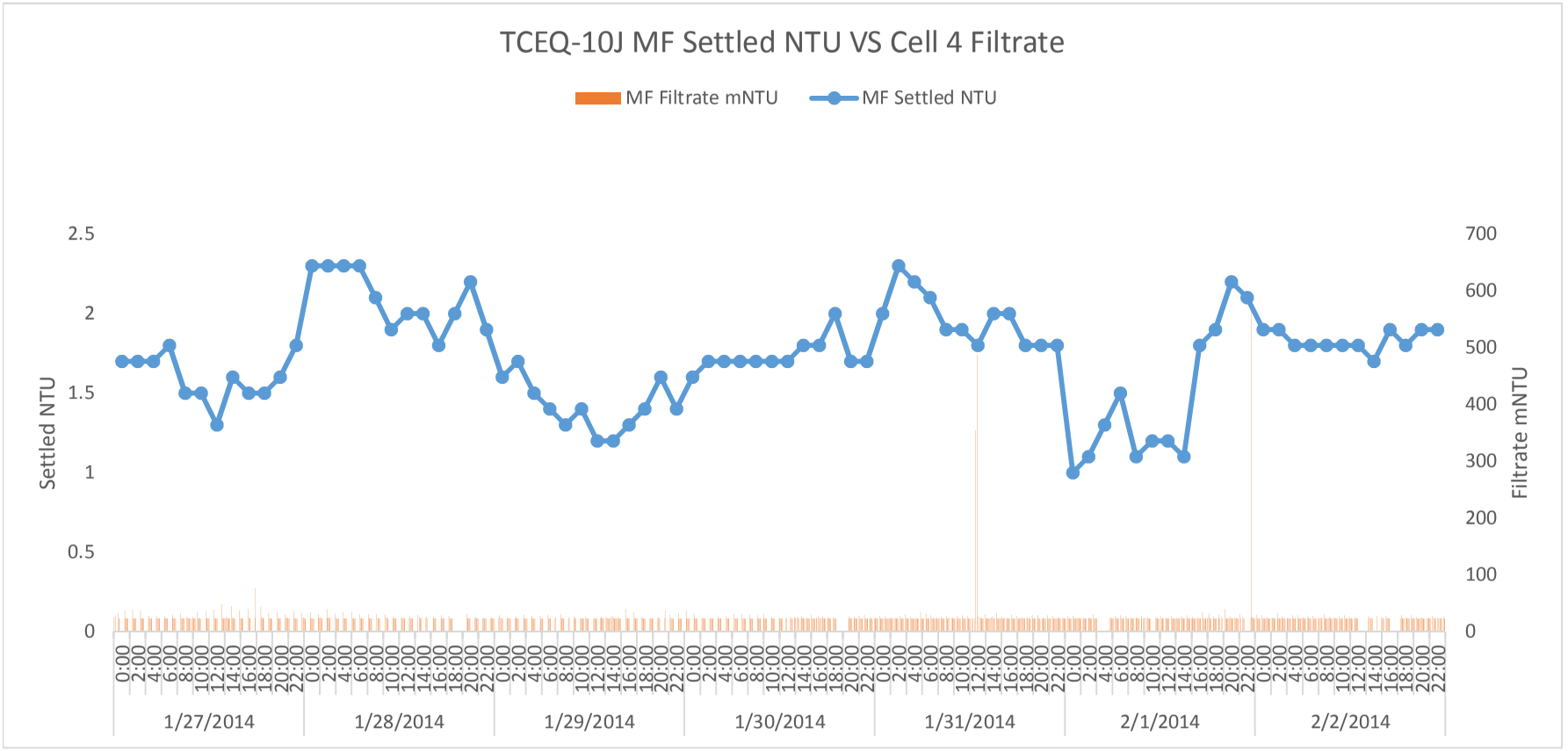
The MF Units were the first barrier where Cryptosporidium reduction was monitored. Throughout the FSV, there were no Cryptosporidium oocysts detected in the individual MF Units permeate by EPA Method 1623 analysis.

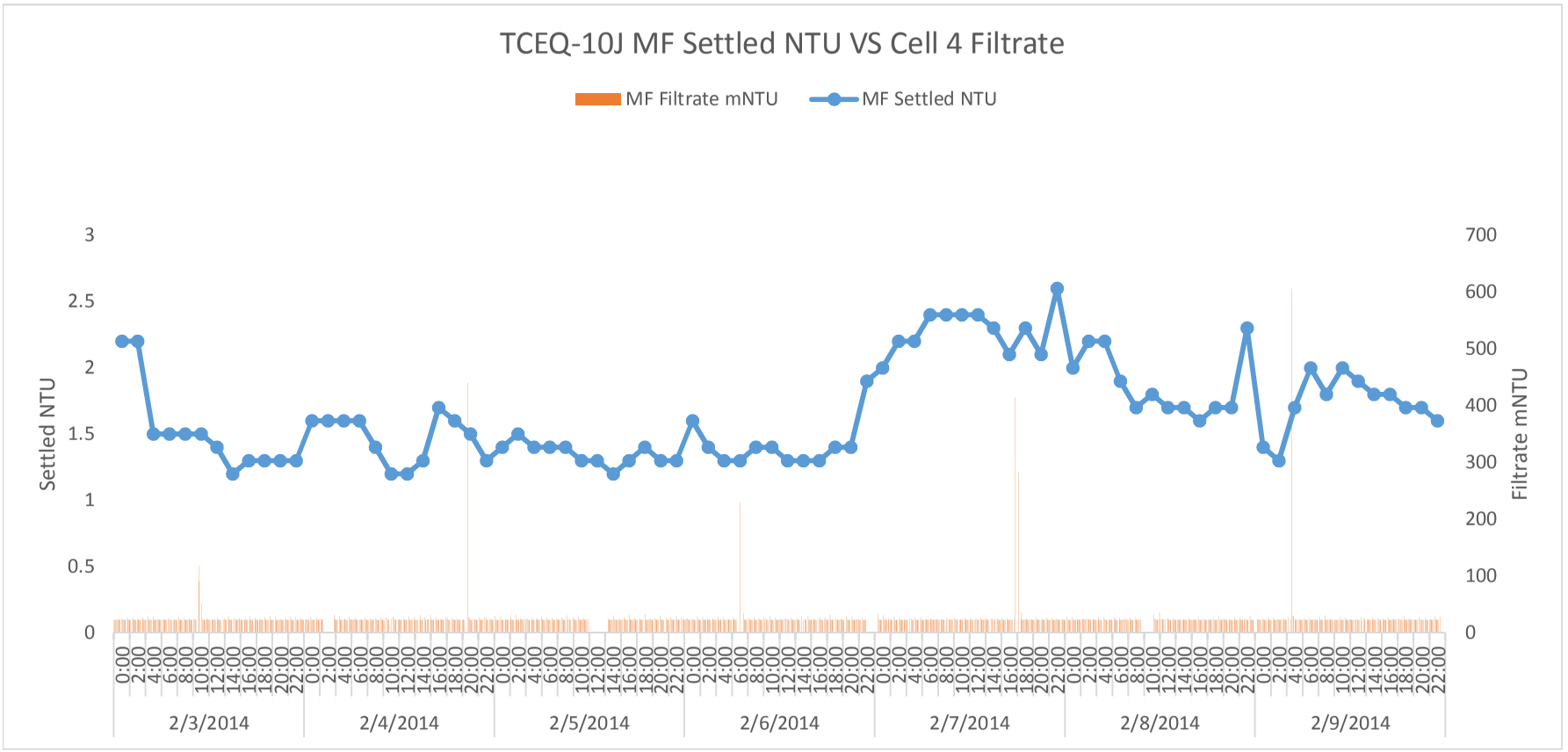
The MF Units also demonstrated its ability to further reduce Giardia cysts, as none were detected in the individual MF Units permeate by EPA Method 1623 analysis.

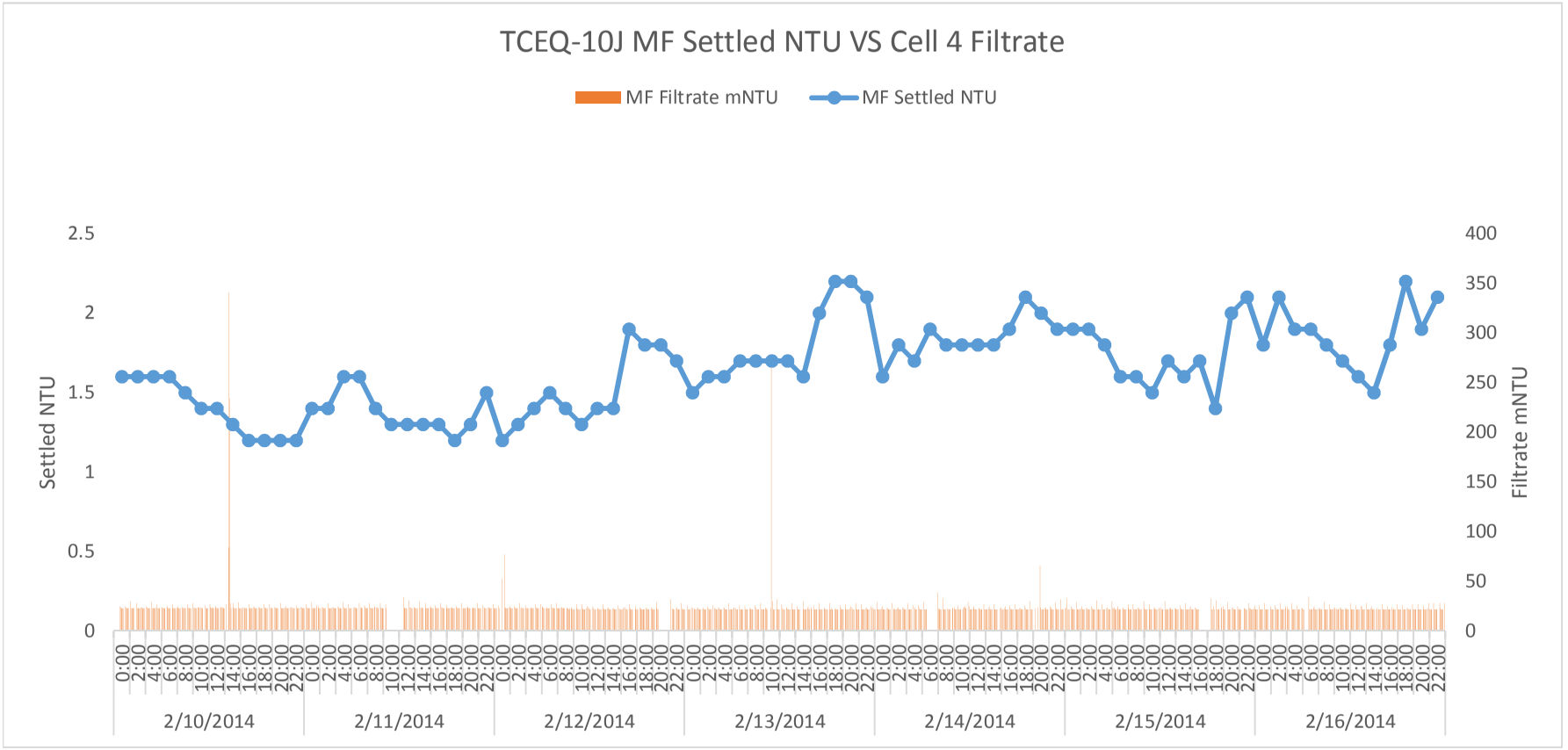
E. coli concentrations remained at zero, as they were found at the TCEQ 4J monitoring site, demonstrating that disinfection continued to be effective at this location.

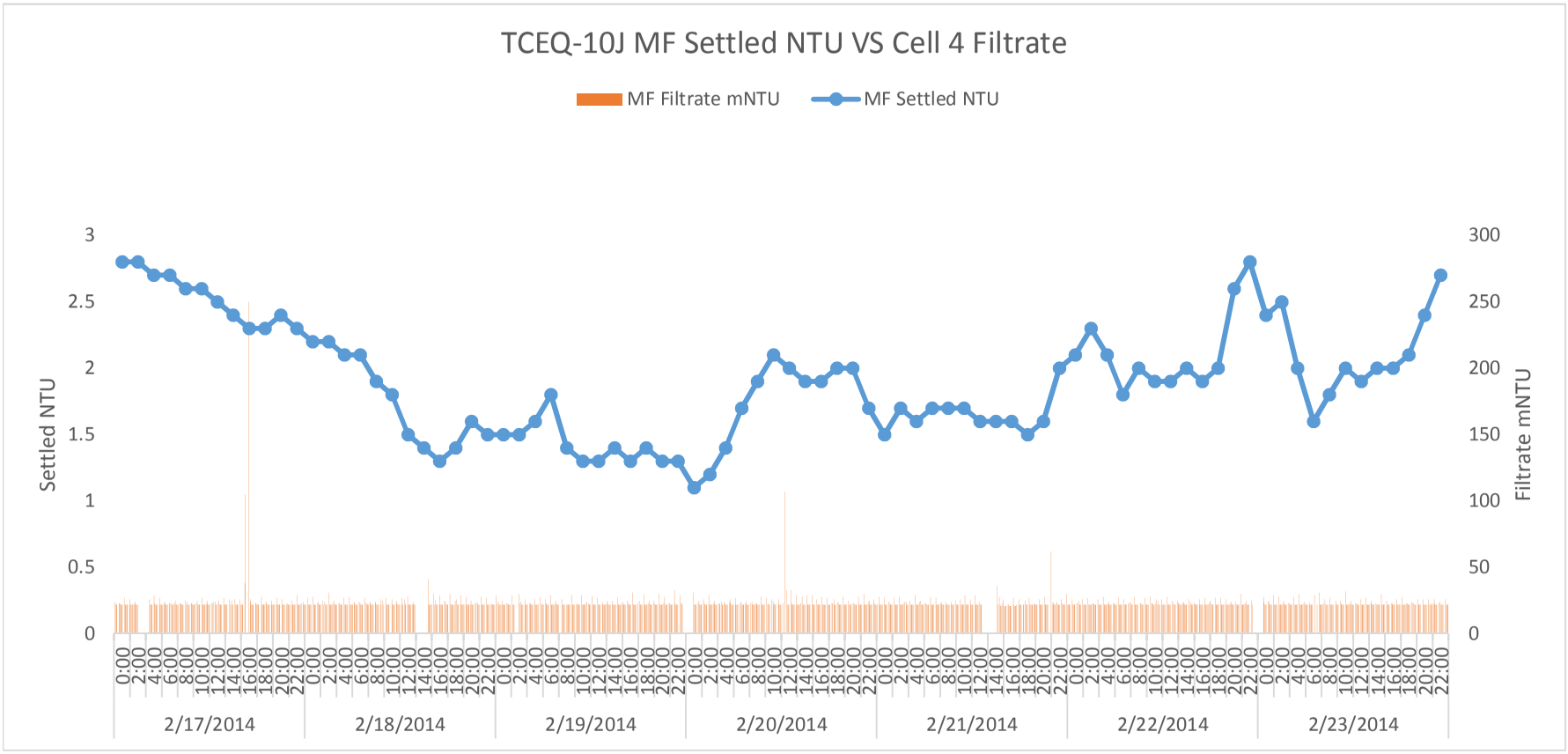
MF Unit Performance Parameters remained satisfactory for the entirety of the Full Scale Verification test. Increase in TMP was minimal during the 30 days between CIPs, and some increase was expected due to the decrease in water temperature. The maximum TMP of 12 psi was never surpassed.

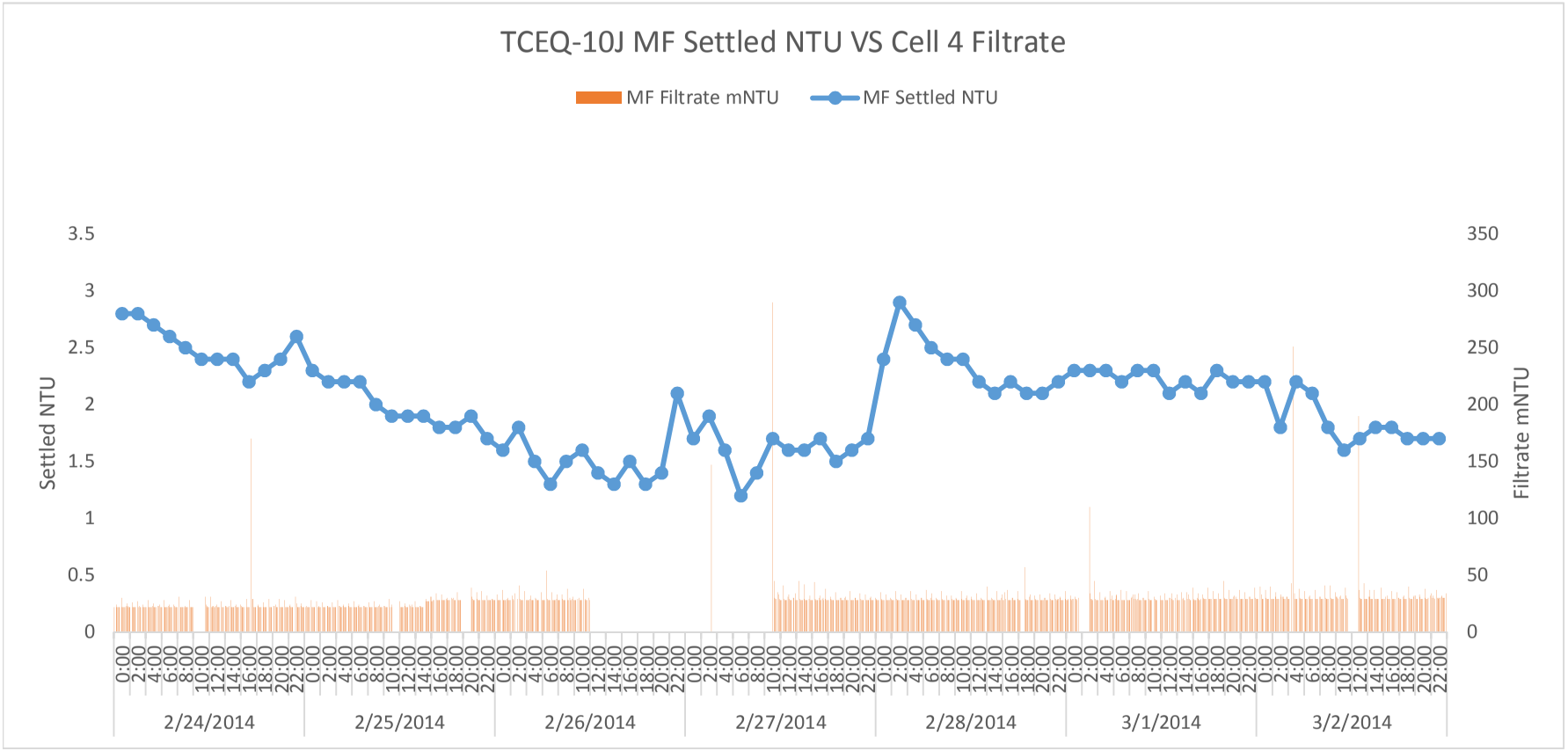
The Silt Density Index in the MF Unit Permeate was substantially reduced from those that were ascertained at TCEQ-9J. The SDI's that were calculated for the MF Units Permeate averaged < 0.5, which is consistent with the values obtained at the monitoring site TCEQ-16J.

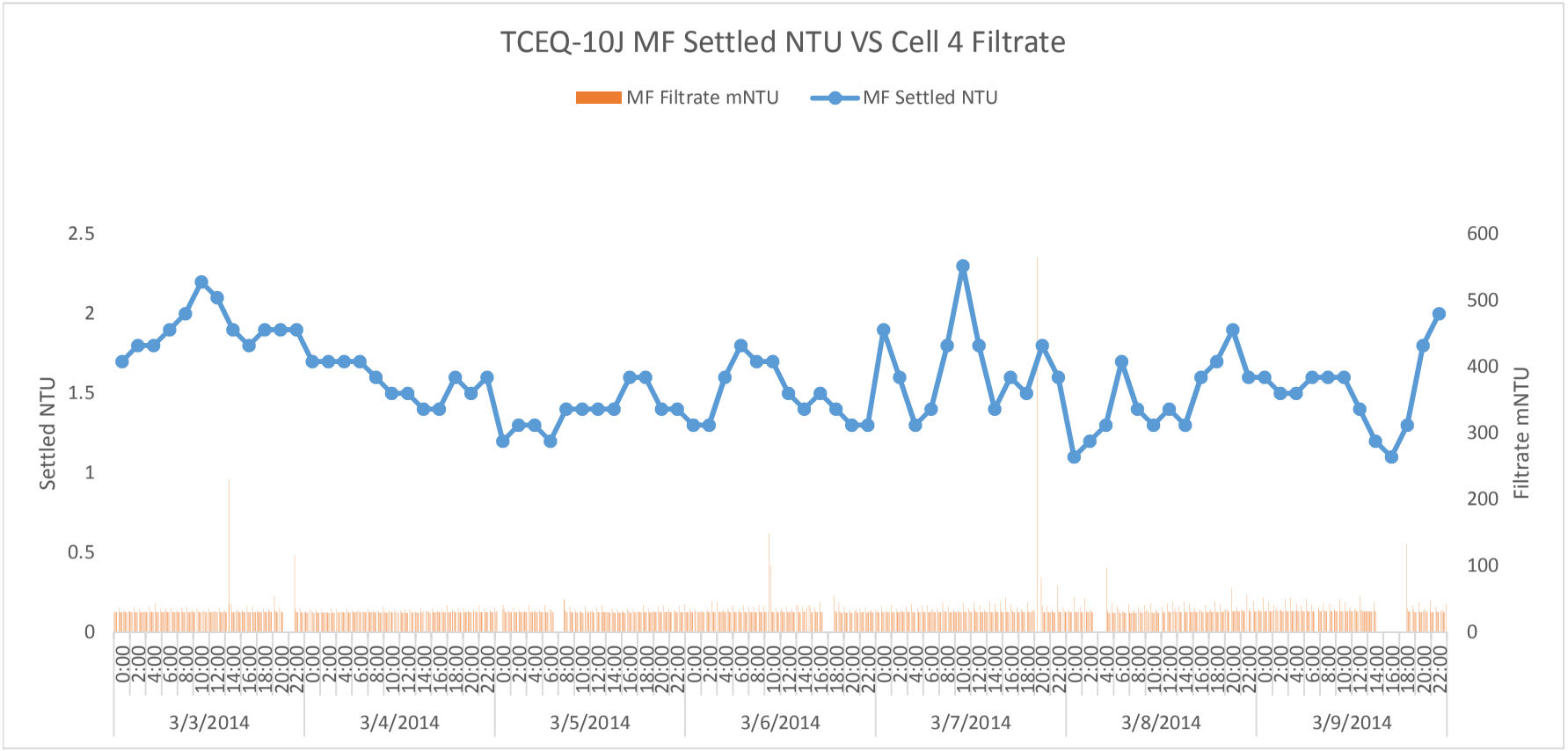

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
2.5
2
1.5
1
0.5
0
700
600
500
400
300
200
100
0
1/27/2014
1/28/2014
1/29/2014
1/30/2014
1/31/2014
2/1/2014
2/2/2014

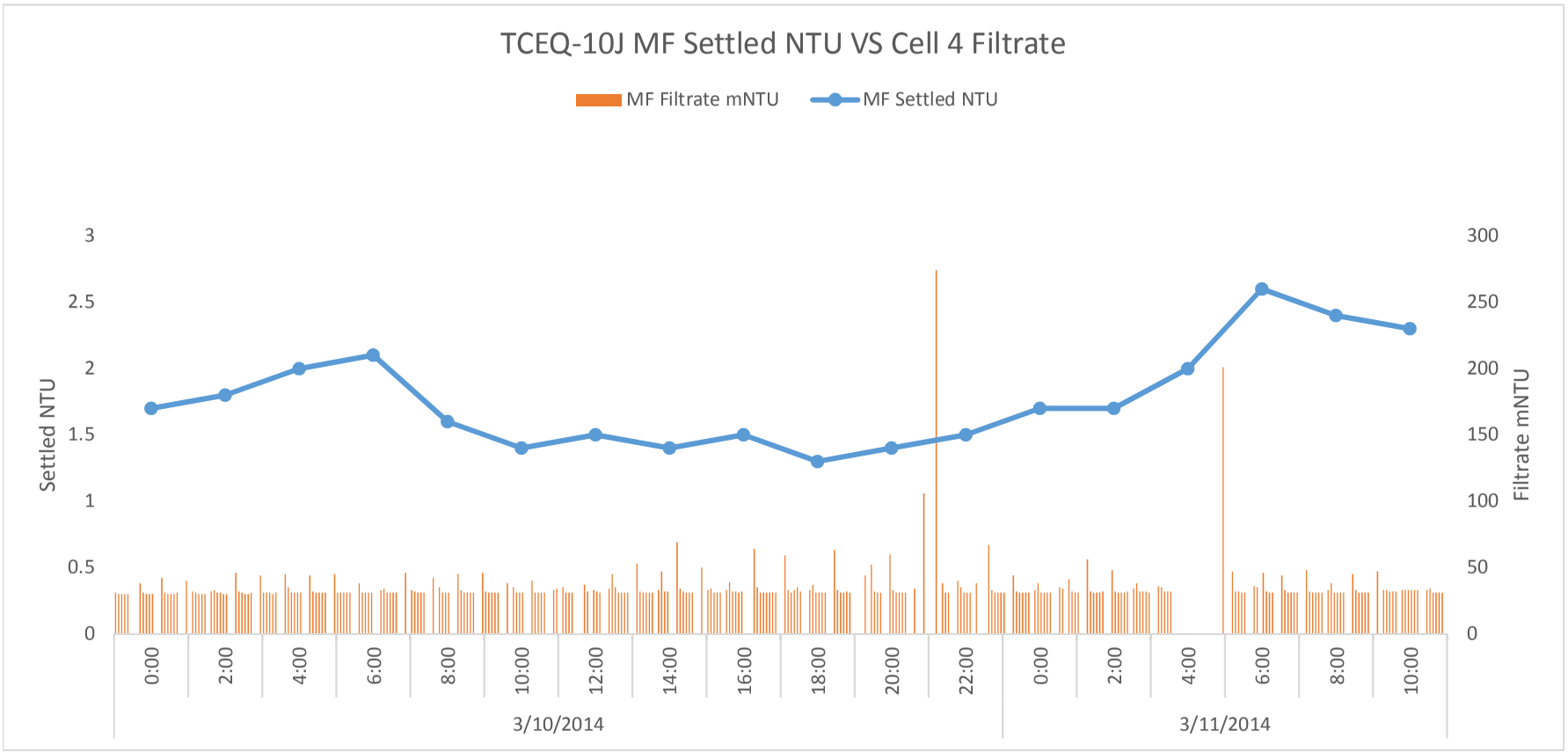

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3
2.5
2
1.5
1
0.5
0
700
600
500
400
300
200
100
0
2/3/2014
2/4/2014
2/5/2014
2/6/2014
2/7/2014
2/8/2014
2/9/2014

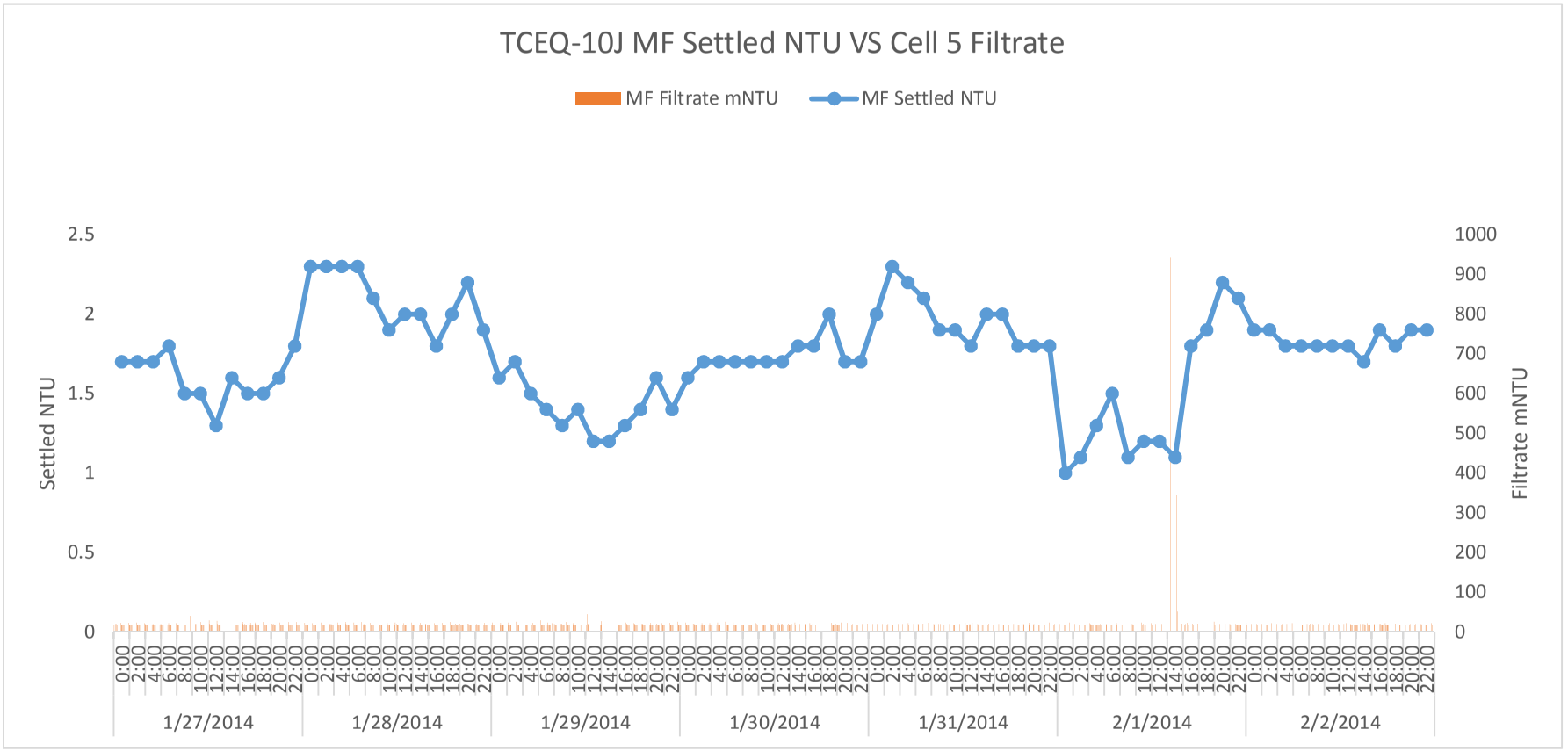

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
2.5
2
1.5
1
0.5
0
400
350
300
250
200
150
100
50
0
2/10/2014
2/11/2014
2/12/2014
2/13/2014
2/14/2014
2/15/2014
2/16/2014

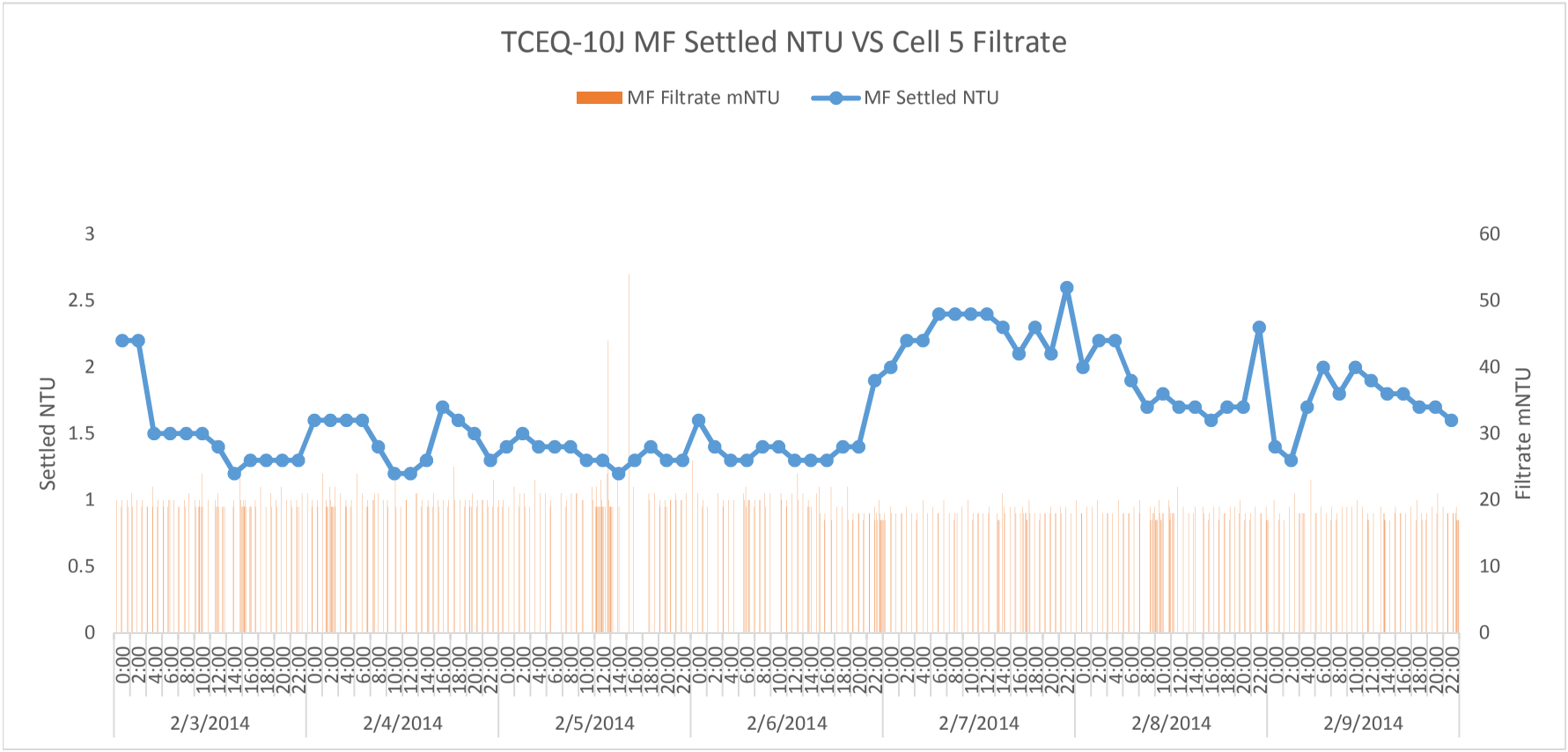

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3
2.5
2
1.5
1
0.5
0
300
250
200
150
100
50
0
2/17/2014
2/18/2014
2/19/2014
2/20/2014
2/21/2014
2/22/2014
2/23/2014

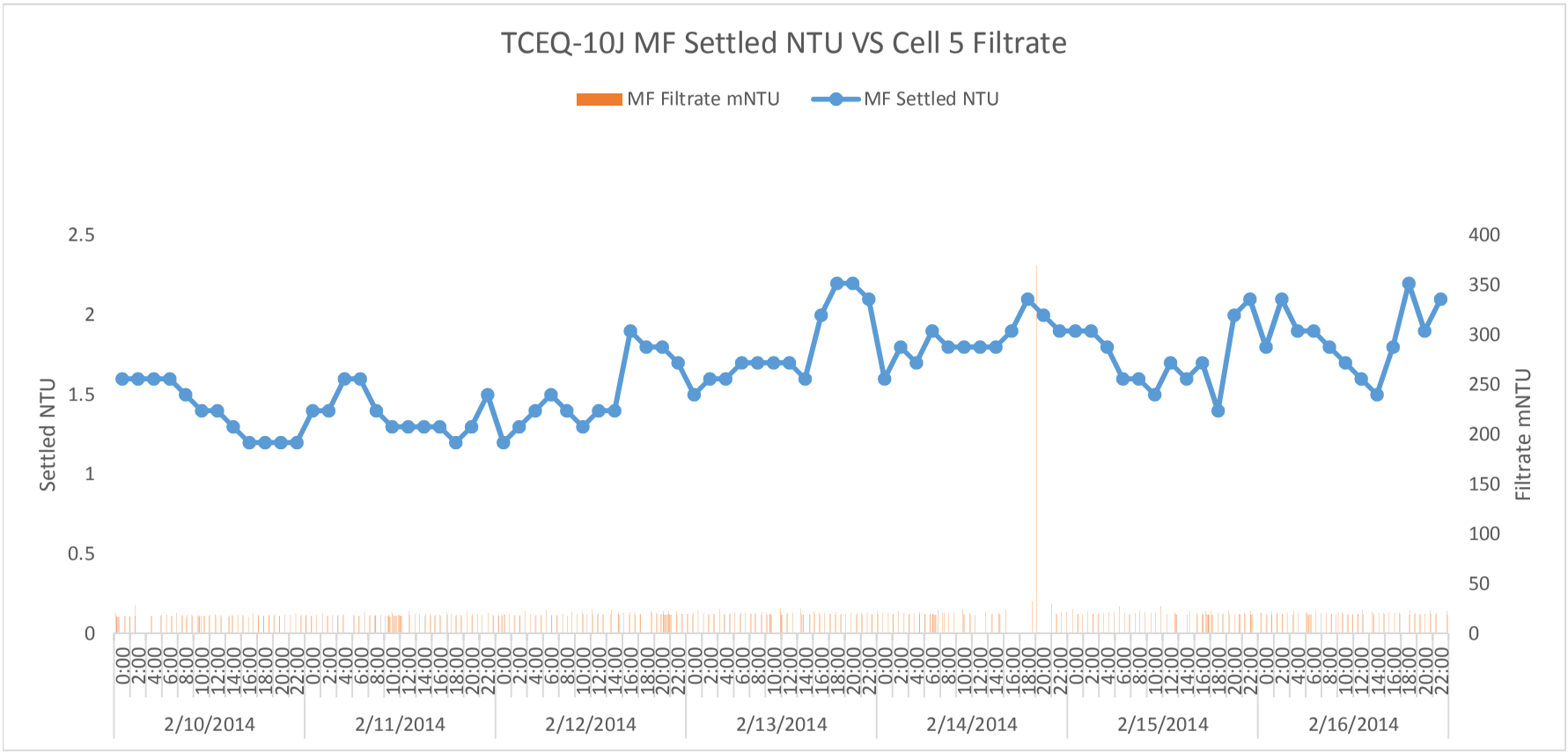

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3.5
3
2.5
2
1.5
1
0.5
0
350
300
250
200
150
100
50
0
2/24/2014
2/25/2014
2/26/2014
2/27/2014
2/28/2014
3/1/2014
3/2/2014

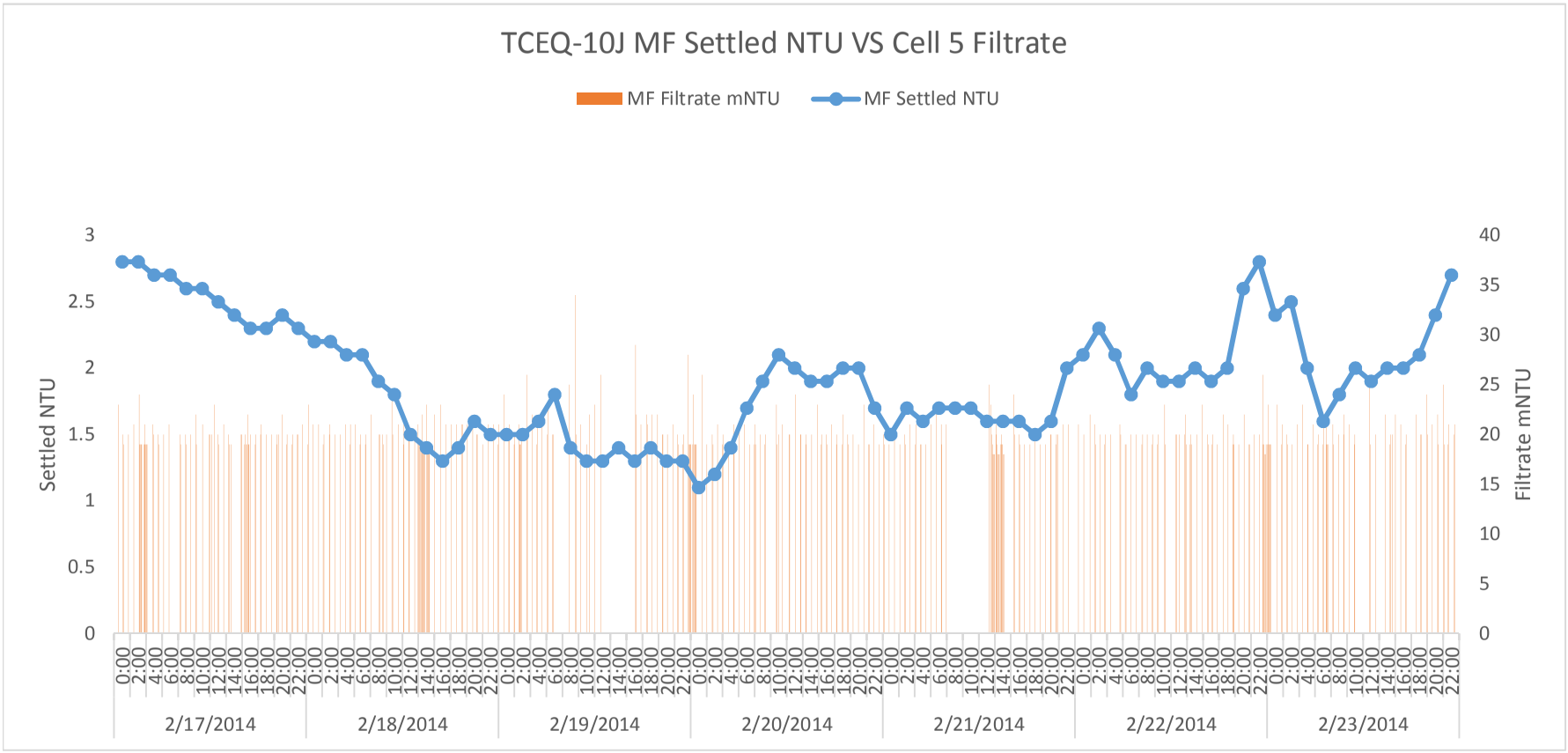

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
2.5
2
1.5
1
0.5
0
600
500
400
300
200
100
0
3/3/2014
3/4/2014
3/5/2014
3/6/2014
3/7/2014
3/8/2014
3/9/2014

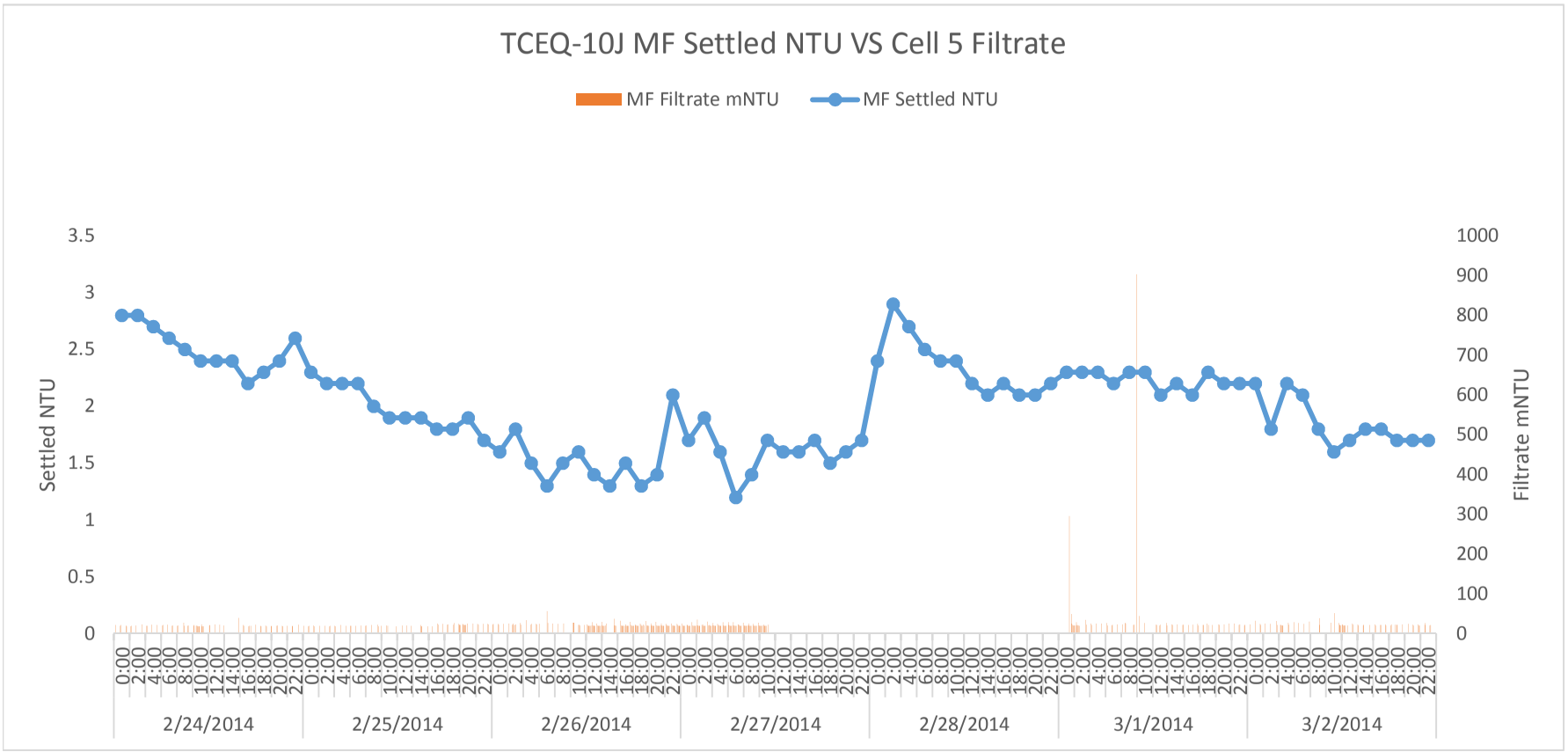

TCEQ-10J MF Settled NTU VS Cell 4 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3
2.5
2
1.5
1
0.5
0
300
250
200
150
100
50
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
0:00
2:00
4:00
6:00
8:00
10:00
3/10/2014
3/11/2014

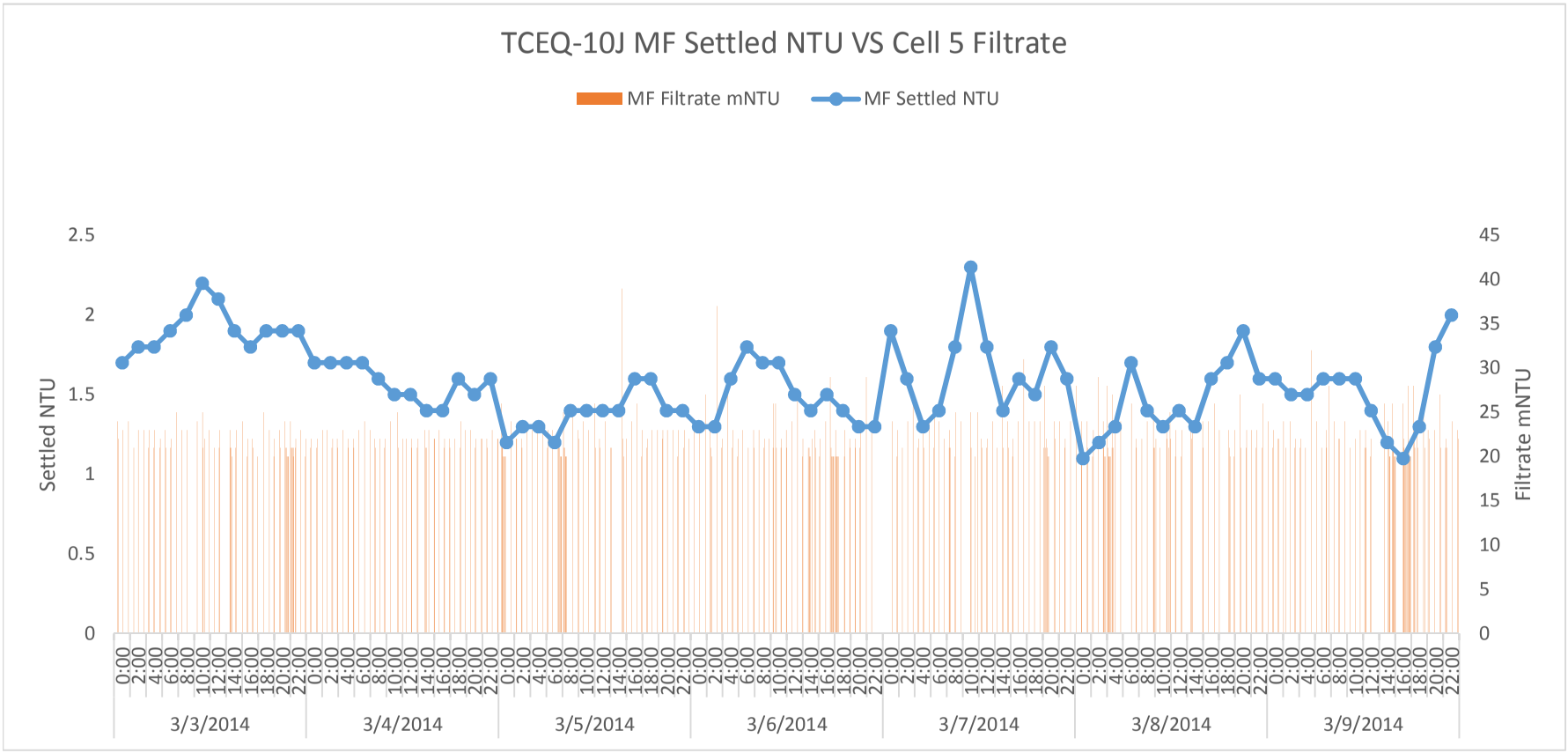

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
2.5
2
1.5
1
0.5
0
1000
900
800
700
600
500
400
300
200
100
0
1/27/2014
1/28/2014
1/29/2014
1/30/2014
1/31/2014
2/1/2014
2/2/2014

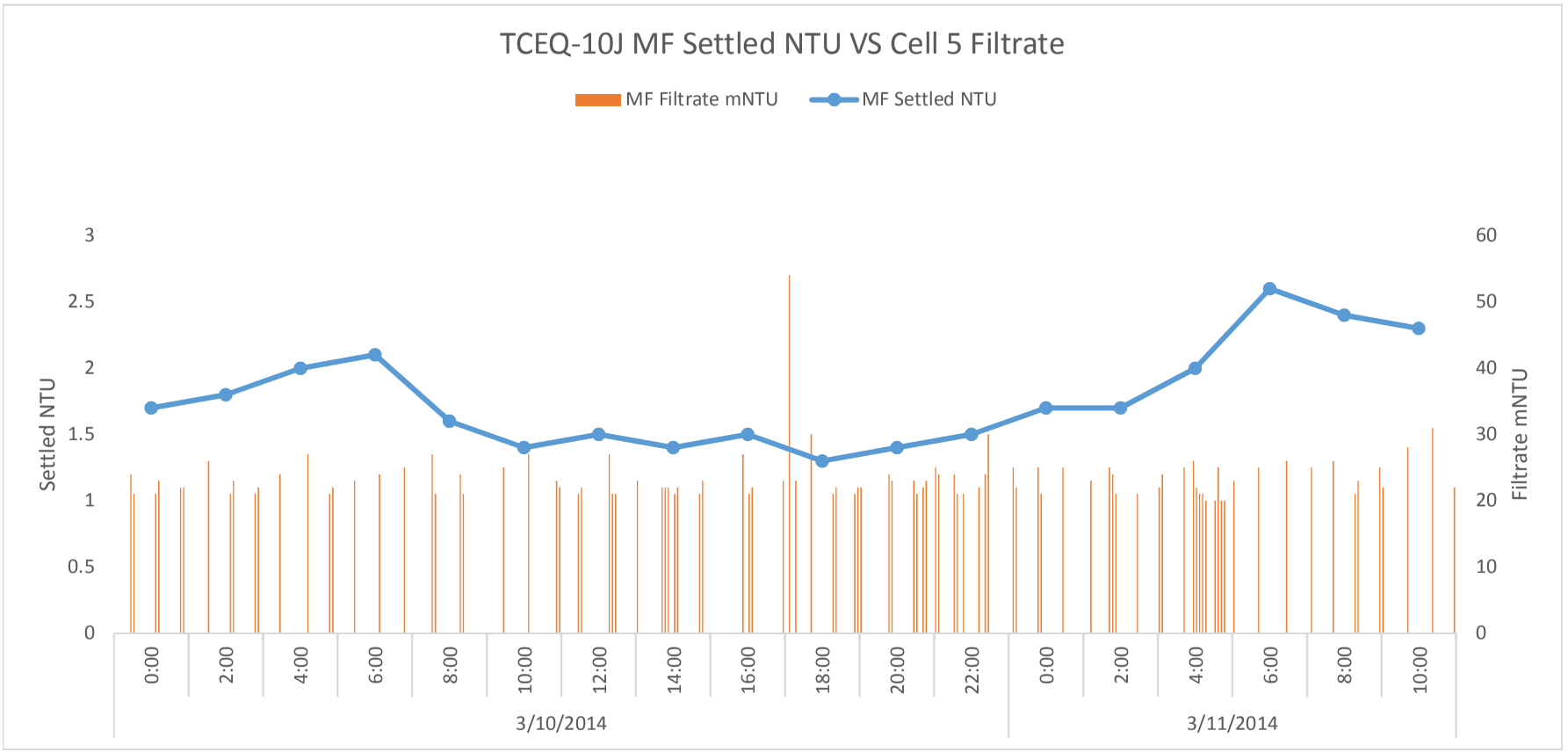

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3
2.5
2
1.5
1
0.5
0
60
50
40
30
20
10
0
2/3/2014
2/4/2014
2/5/2014
2/6/2014
2/7/2014
2/8/2014
2/9/2014

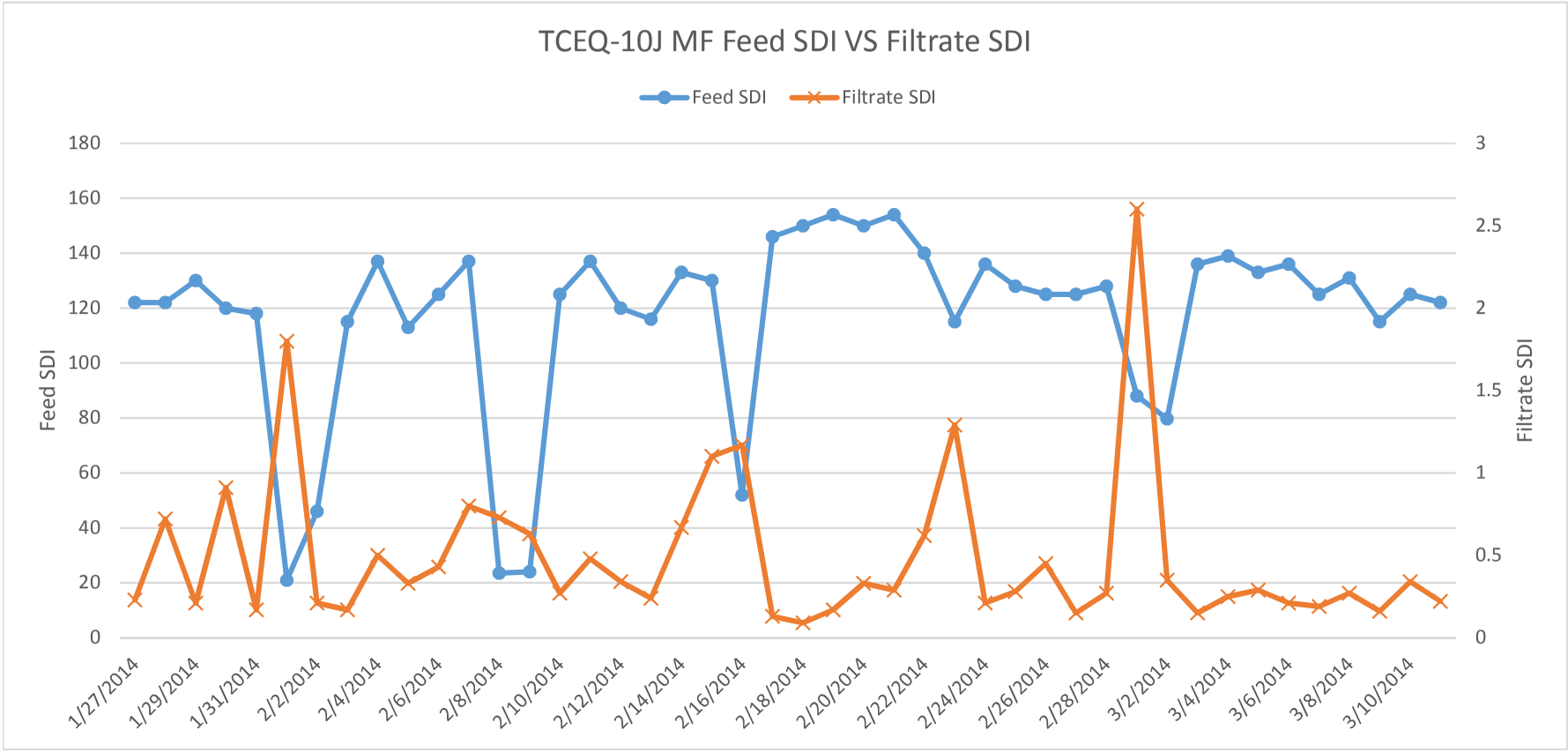

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
2.5
2
1.5
1
0.5
0
400
350
300
250
200
150
100
50
0
2/10/2014
2/11/2014
2/12/2014
2/13/2014
2/14/2014
2/15/2014
2/16/2014

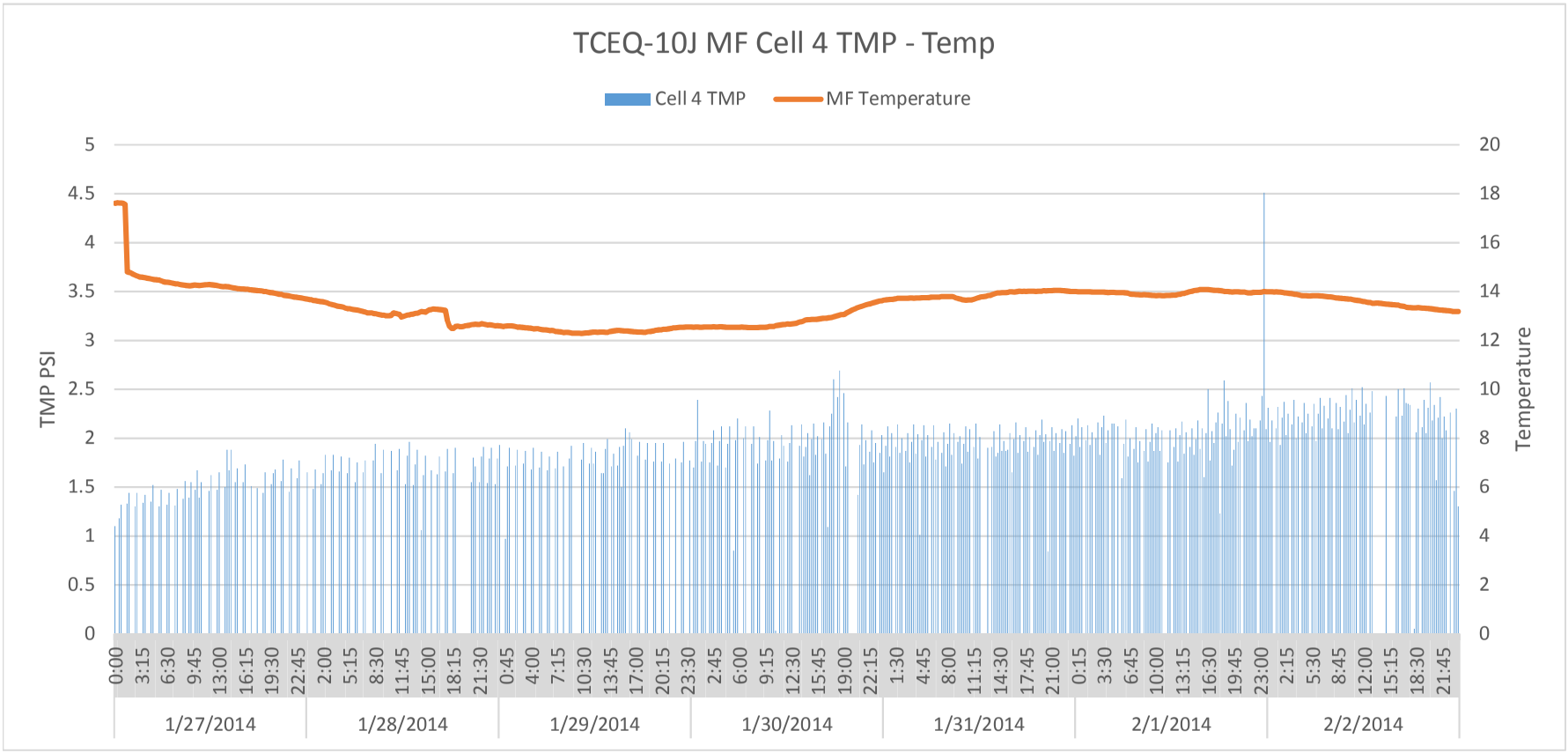

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3
2.5
2
1.5
1
0.5
0
40
35
30
25
20
15
10
5
0
2/17/2014
2/18/2014
2/19/2014
2/20/2014
2/21/2014
2/22/2014
2/23/2014

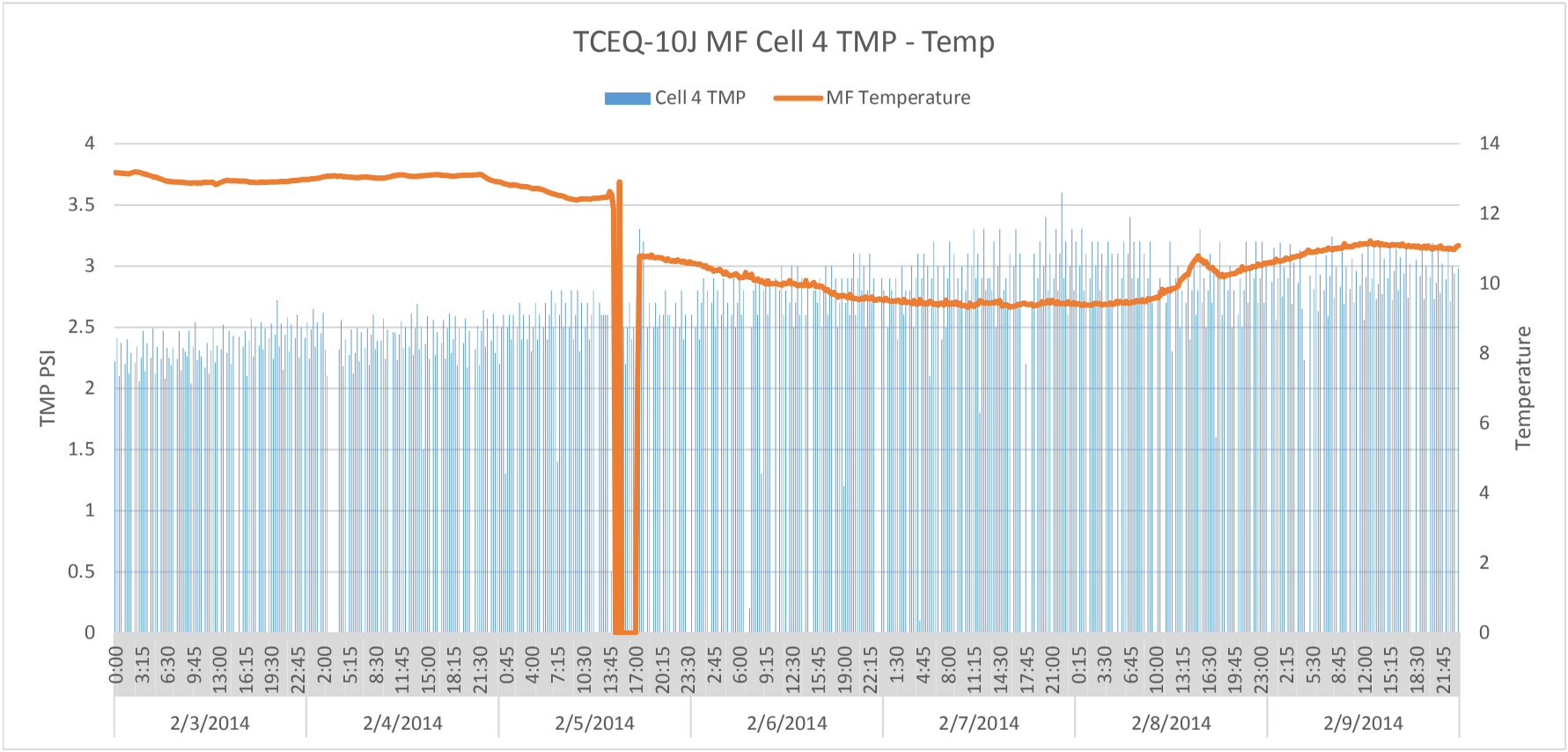

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3.5
3
2.5
2
1.5
1
0.5
0
1000
900
800
700
600
500
400
300
200
100
0
2/24/2014
2/25/2014
2/26/2014
2/27/2014
2/28/2014
3/1/2014
3/2/2014

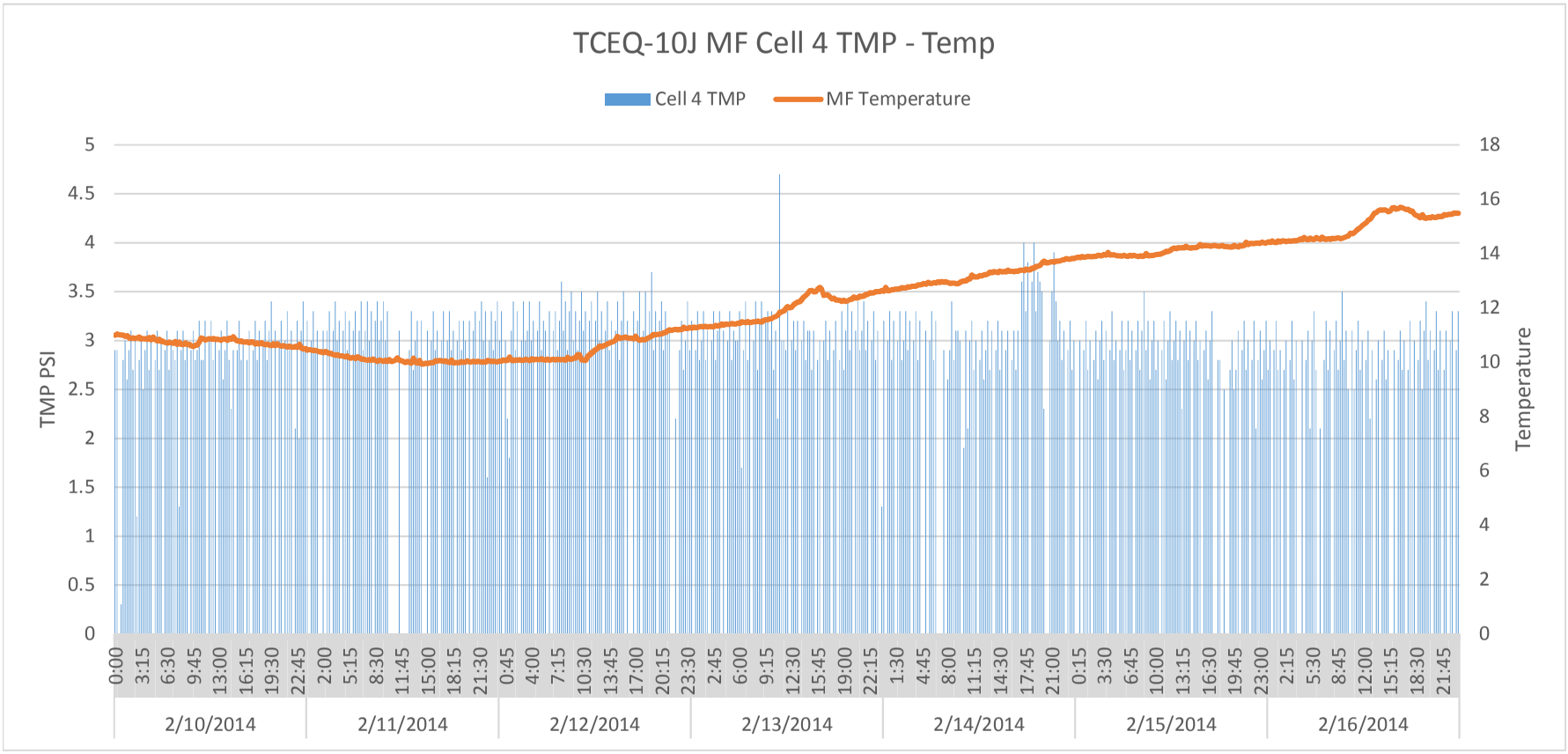

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
2.5
2
1.5
1
0.5
0
45
40
35
30
25
20
15
10
5
0
3/3/2014
3/4/2014
3/5/2014
3/6/2014
3/7/2014
3/8/2014
3/9/2014

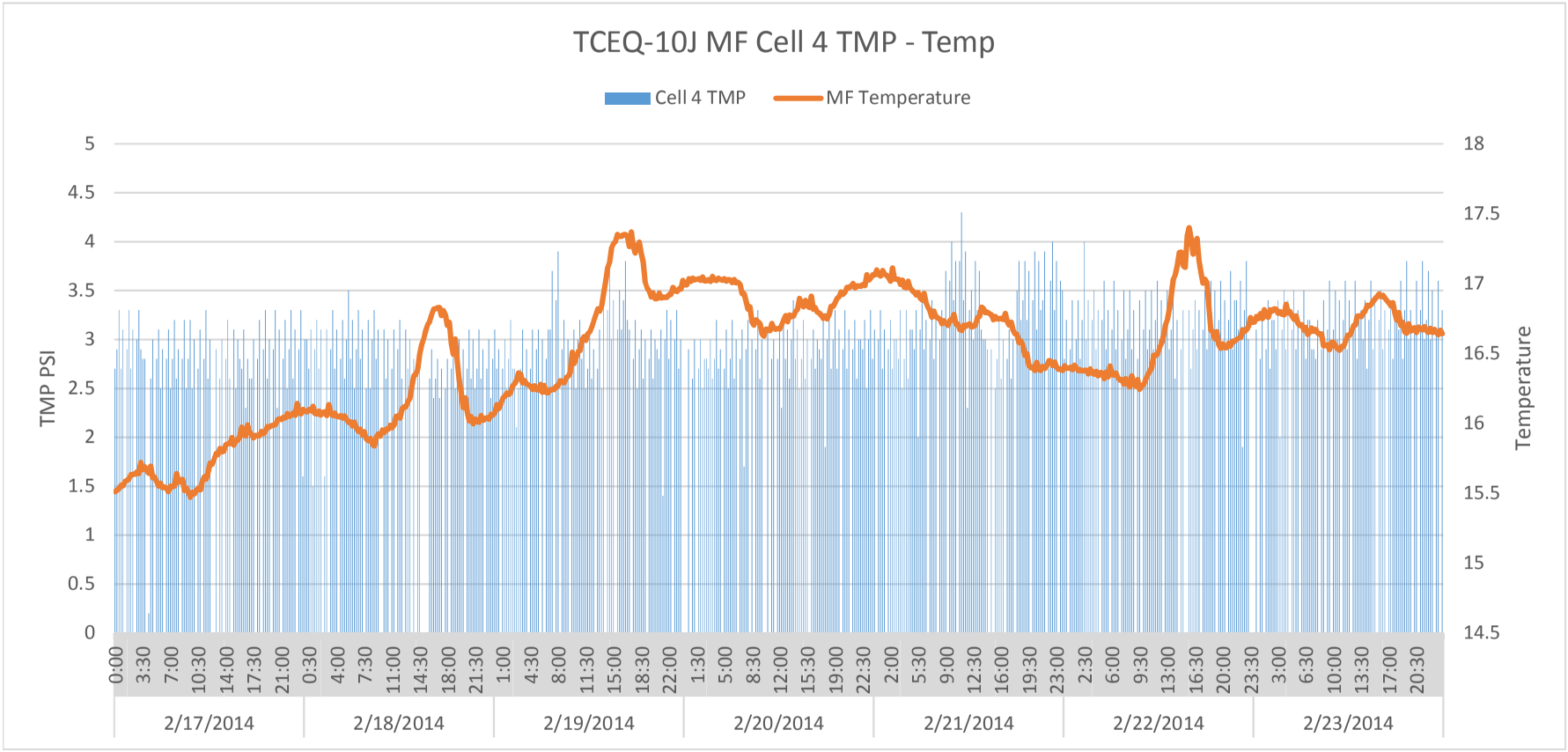

TCEQ-10J MF Settled NTU VS Cell 5 Filtrate
MF Filtrate mNTU
MF Settled NTU
Settled NTU
Filtrate mNTU
3
2.5
2
1.5
1
0.5
0
60
50
40
30
20
10
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
0:00
2:00
4:00
6:00
8:00
10:00
3/10/2014
3/11/2014

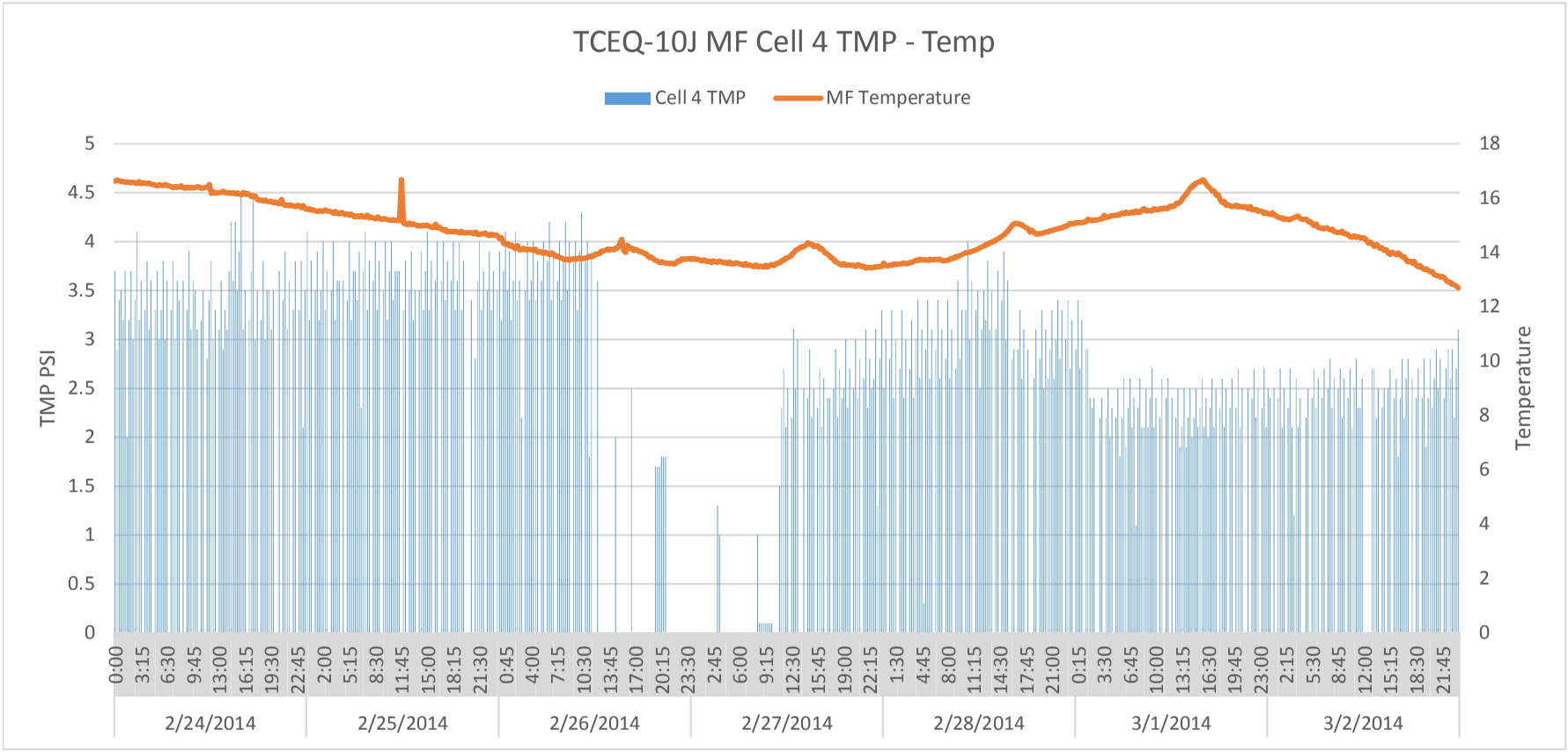

TCEQ-10J MF Feed SDI VS Filtrate SDI
Feed SDI
Filtrate SDI
Feed SDI
Filtrate SDI
180
160
140
120
100
80
60
40
20
0
3
2.5
2
1.5
1
0.5
0
1/27/2014
1/29/2014
1/31/2014
2/2/2014
2/4/2014
2/6/2014
2/8/2014
2/10/2014
2/12/2014
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2/18/2014
2/20/2014
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3/8/2014
3/10/2014

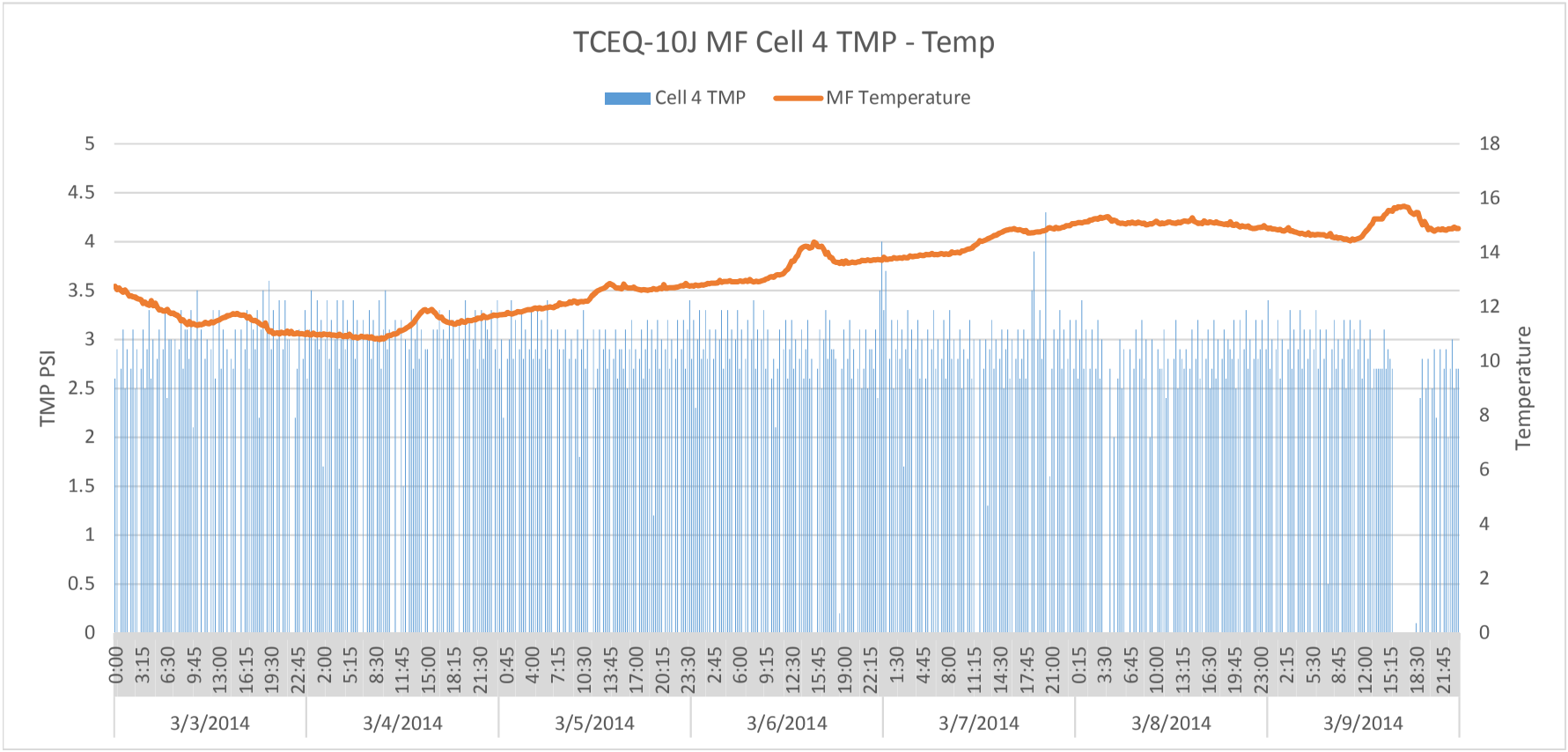

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
20
18
16
14
12
10
8
6
4
2
0
0:00 3:15 6:30 9:45 13:00 16:15 19:30 22:45 2:00 5:15 8:30 11:45 15:00 18:15 21:30 0:45 4:00 7:15 10:30 13:45 17:00 20:15 23:30 2:45 6:00 9:15 12:30 15:45 19:00 22:15 1:30 4:45 8:00 11:15 14:30 17:45 21:00 0:15 3:30 6:45 10:00 13:15 16:30 19:45 23:00 2:15 5:30 8:45 12:00 15:15 18:30 21:45
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1/31/2014
2/1/2014
2/2/2014

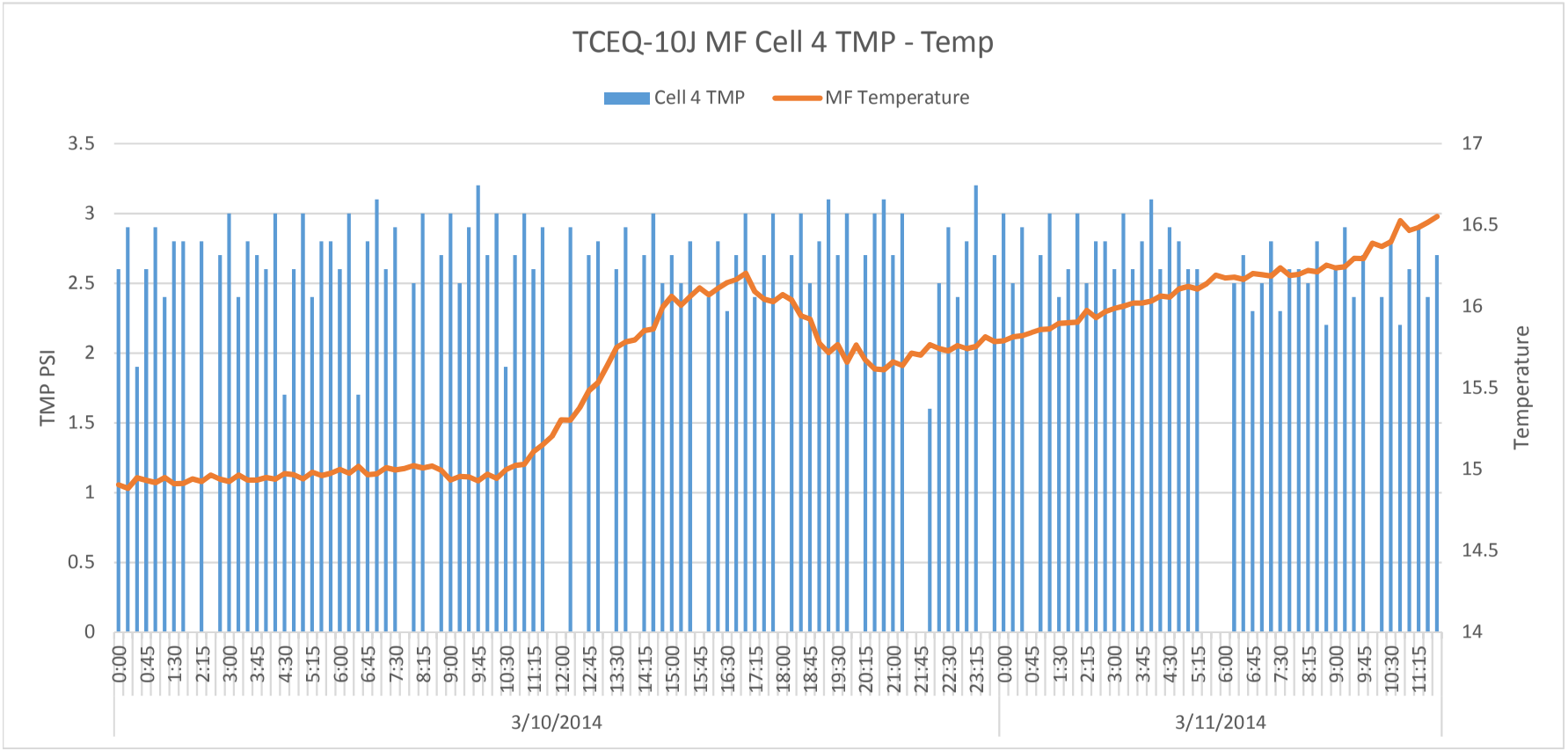

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
4
3.5
3
2.5
2
1.5
1
0.5
0
14
12
10
8
6
4
2
0
0:00 3:15 6:30 9:45 13:00 16:15 19:30 22:45 2:00 5:15 8:30 11:45 15:00 18:15 21:30 0:45 4:00 7:15 10:30 13:45 17:00 20:15 23:30 2:45 6:00 9:15 12:30 15:45 19:00 22:15 1:30 4:45 8:00 11:15 14:30 17:45 21:00 0:15 3:30 6:45 10:00 13:15 16:30 19:45 23:00 2:15 5:30 8:45 12:00 15:15 18:30 21:45
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2/8/2014
2/9/2014

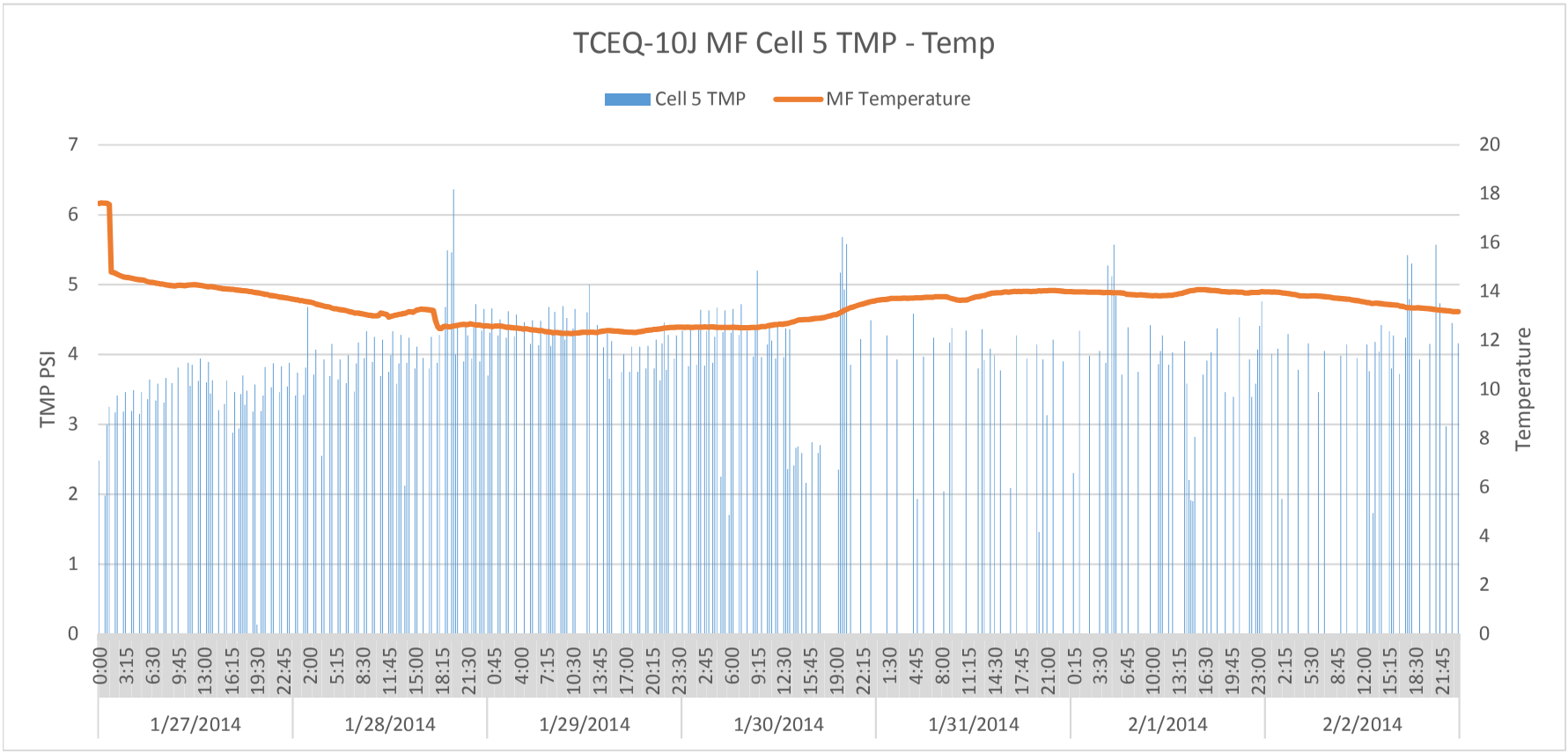

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
18
16
14
12
10
8
6
4
2
0
0:00
3:15
6:30
9:45
13:00
16:15
19:30
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15:15
18:30
21:45
2/10/2014
2/11/2014
2/12/2014
2/13/2014
2/14/2014
2/15/2014
2/16/2014

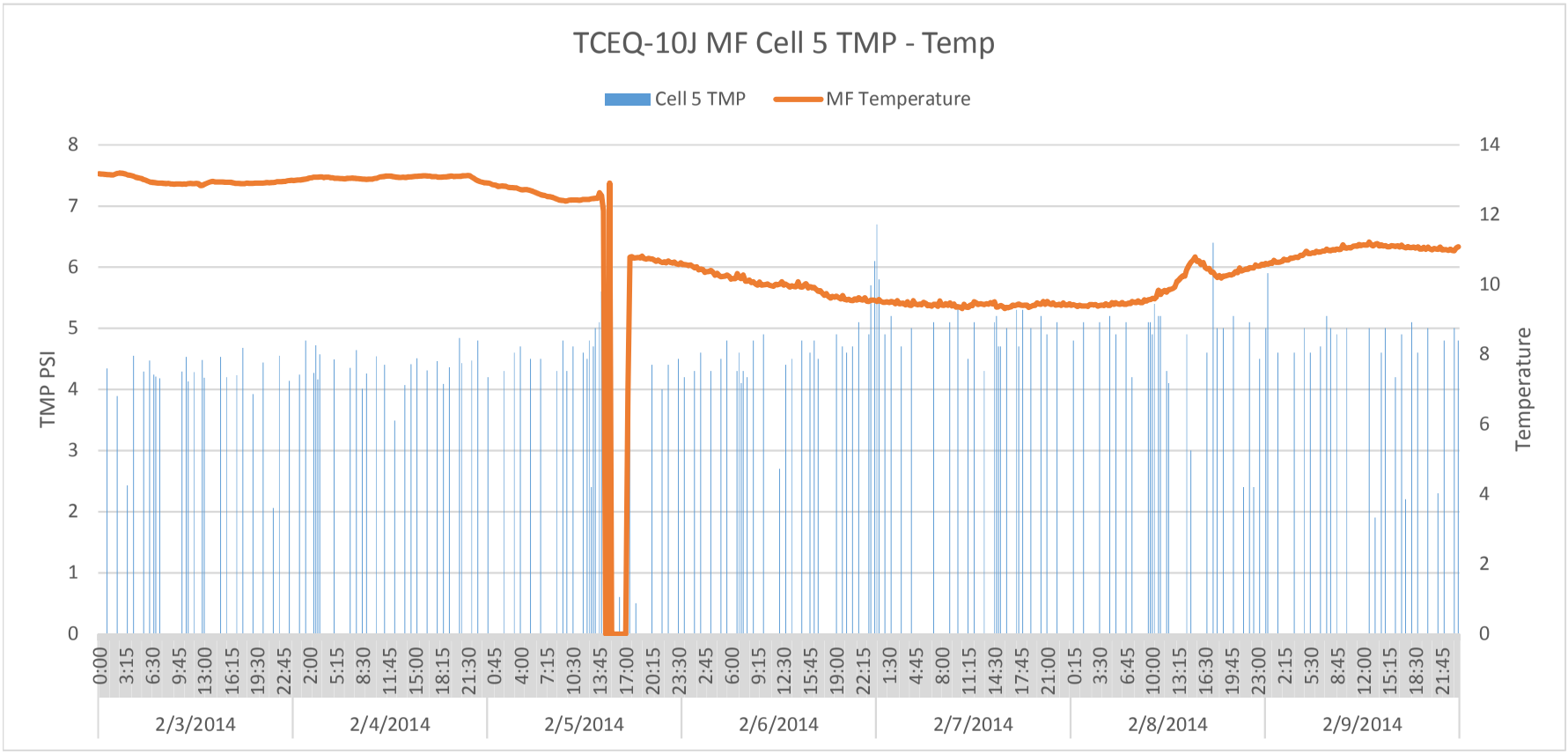

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
18
17.5
17
16.5
16
15.5
15
14.5
0:00
3:30
7:00
10:30
14:00
17:30
21:00
0:30
4:00
7:30
11:00
14:30
18:00
21:30
1:00
4:30
8:00
11:30
15:00
18:30
22:00
1:30
5:00
8:30
12:00
15:30
19:00
22:30
2:00
5:30
9:00
12:30
16:00
19:30
23:00
2:30
6:00
9:30
13:00
16:30
20:00
23:30
3:00
6:30
10:00
13:30
17:00
20:30
2/17/2014
2/18/2014
2/19/2014
2/20/2014
2/21/2014
2/22/2014
2/23/2014

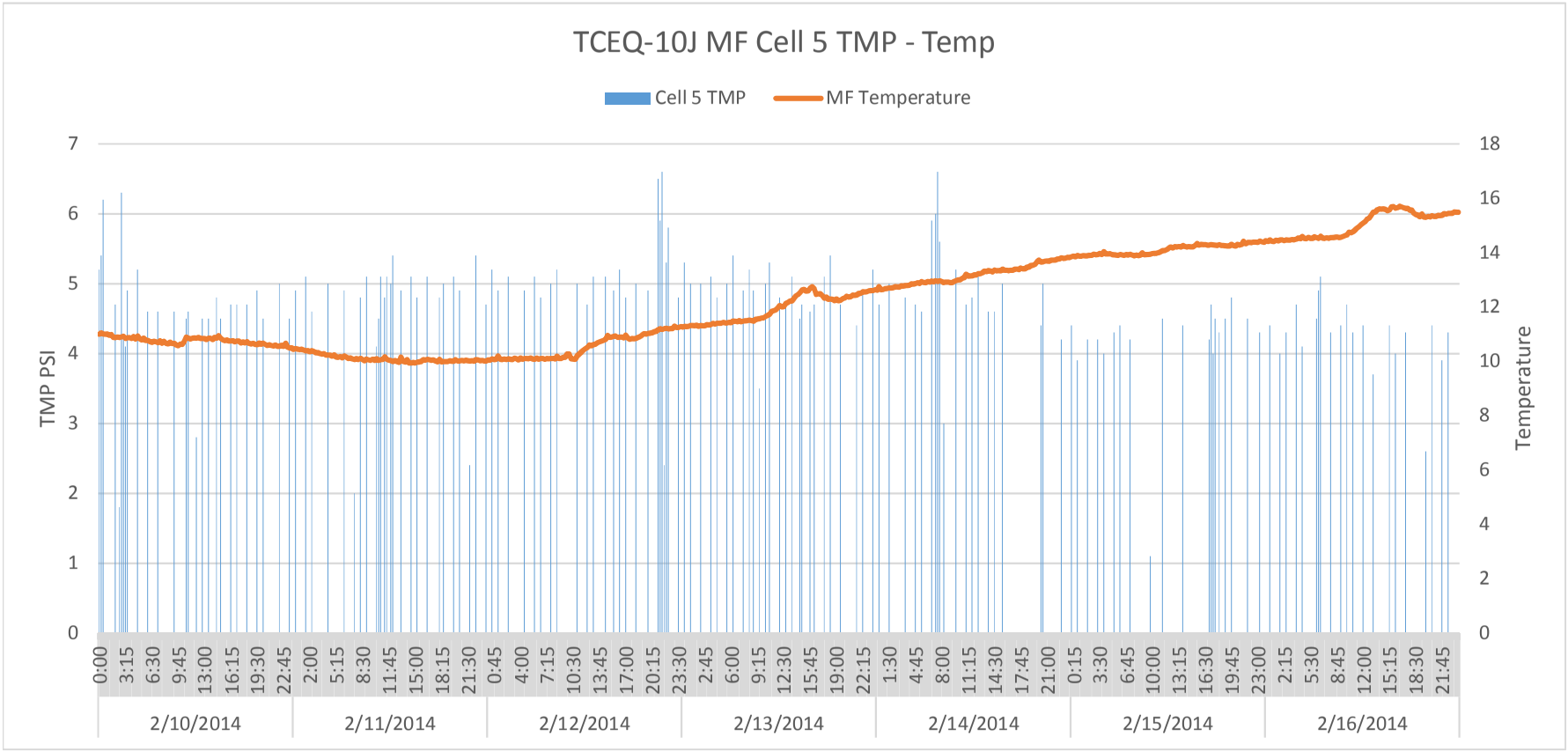

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
18
16
14
12
10
8
6
4
2
0
0:00 3:15 6:30 9:45 13:00 16:15 19:30 22:45 2:00 5:15 8:30 11:45 15:00 18:15 21:30 0:45 4:00 7:15 10:30 13:45 17:00 20:15 23:30 2:45 6:00 9:15 12:30 15:45 19:00 22:15 1:30 4:45 8:00 11:15 14:30 17:45 21:00 0:15 3:30 6:45 10:00 13:15 16:30 19:45 23:00 2:15 5:30 8:45 12:00 15:15 18:30 21:45
2/24/2014
2/25/2014
2/26/2014
2/27/2014
2/28/2014
3/1/2014
3/2/2014

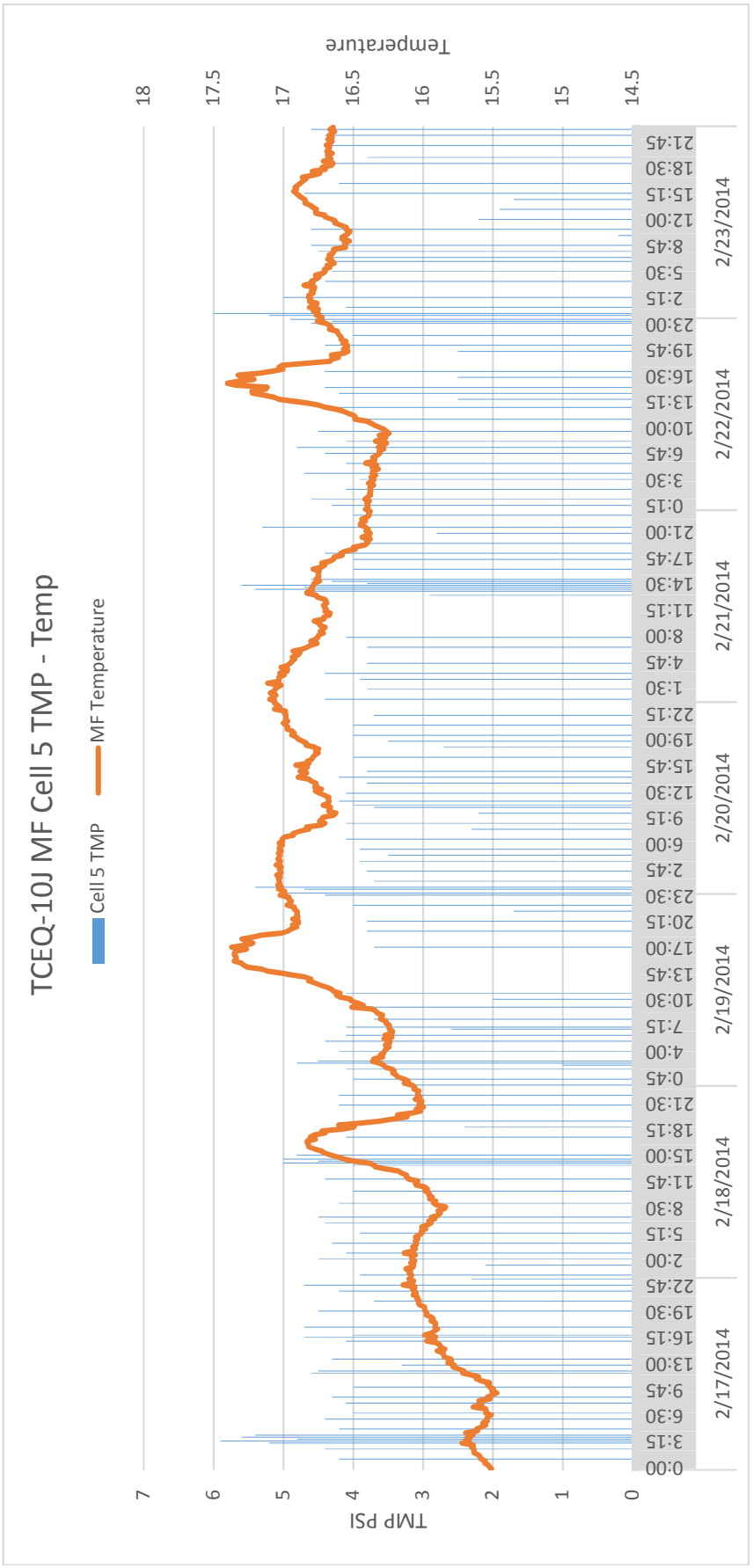

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
18
16
14
12
10
8
6
4
2
0
0:00
3:15
6:30
9:45
13:00
16:15
19:30
22:45
2:00
5:15
8:30
11:45
15:00
18:15
21:30
0:45
4:00
7:15
10:30
13:45
17:00
20:15
23:30
2:45
6:00
9:15
12:30
15:45
19:00
22:15
1:30
4:45
8:00
11:15
14:30
17:45
21:00
0:15
3:30
6:45
10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
3/3/2014
3/4/2014
3/5/2014
3/6/2014
3/7/2014
3/8/2014
3/9/2014

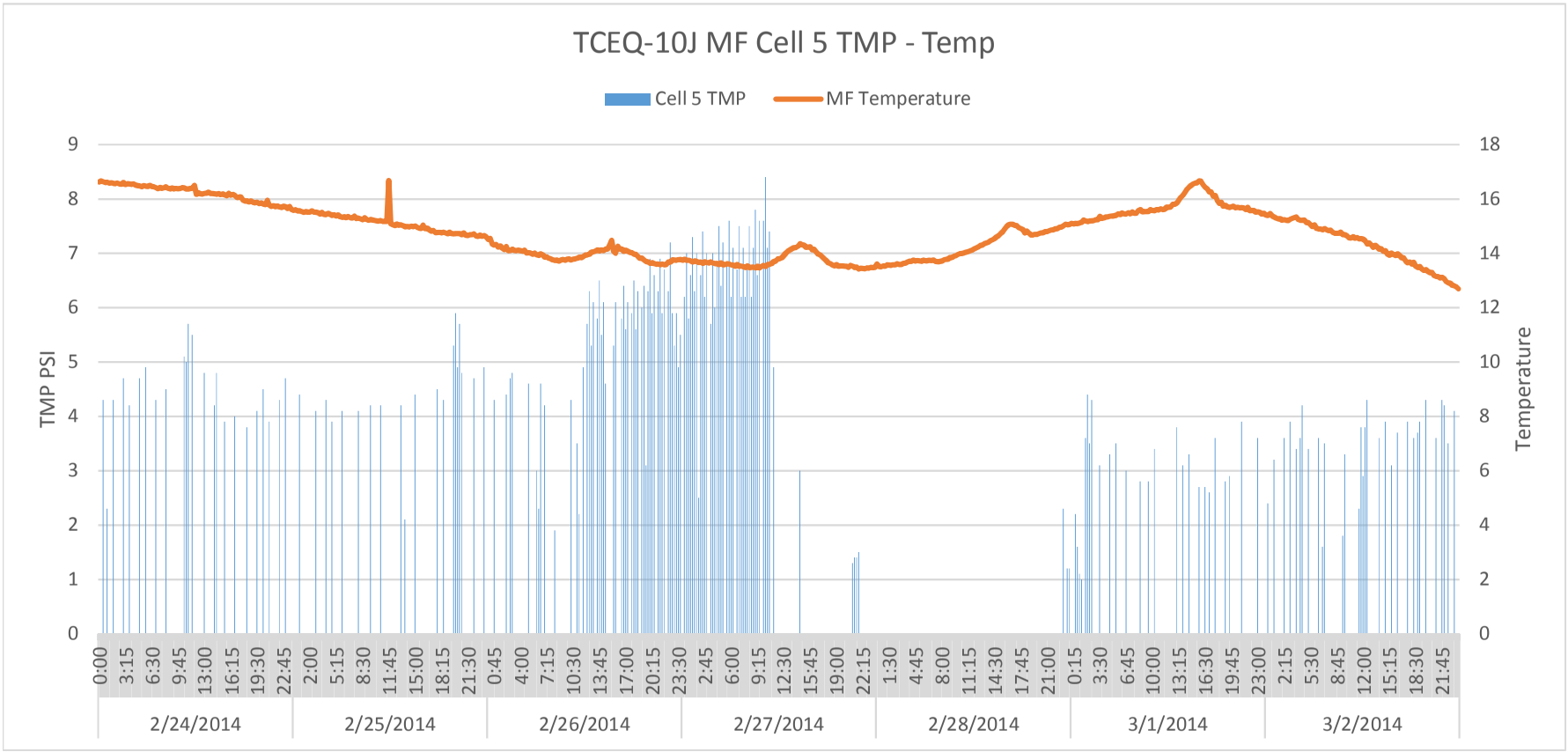

TCEQ-10J MF Cell 4 TMP - Temp
Cell 4 TMP
MF Temperature
TMP PSI
Temperature
3.5
3
2.5
2
1.5
1
0.5
0
17
16.5
16
15.5
15
14.5
14
0:00
0:45
1:30
2:15
3:00
3:45
4:30
5:15
6:00
6:45
7:30
8:15
9:00
9:45
10:30
11:15
12:00
12:45
13:30
14:15
15:00
15:45
16:30
17:15
18:00
18:45
19:30
20:15
21:00
21:45
22:30
23:15
3/10/2014
3/11/2014

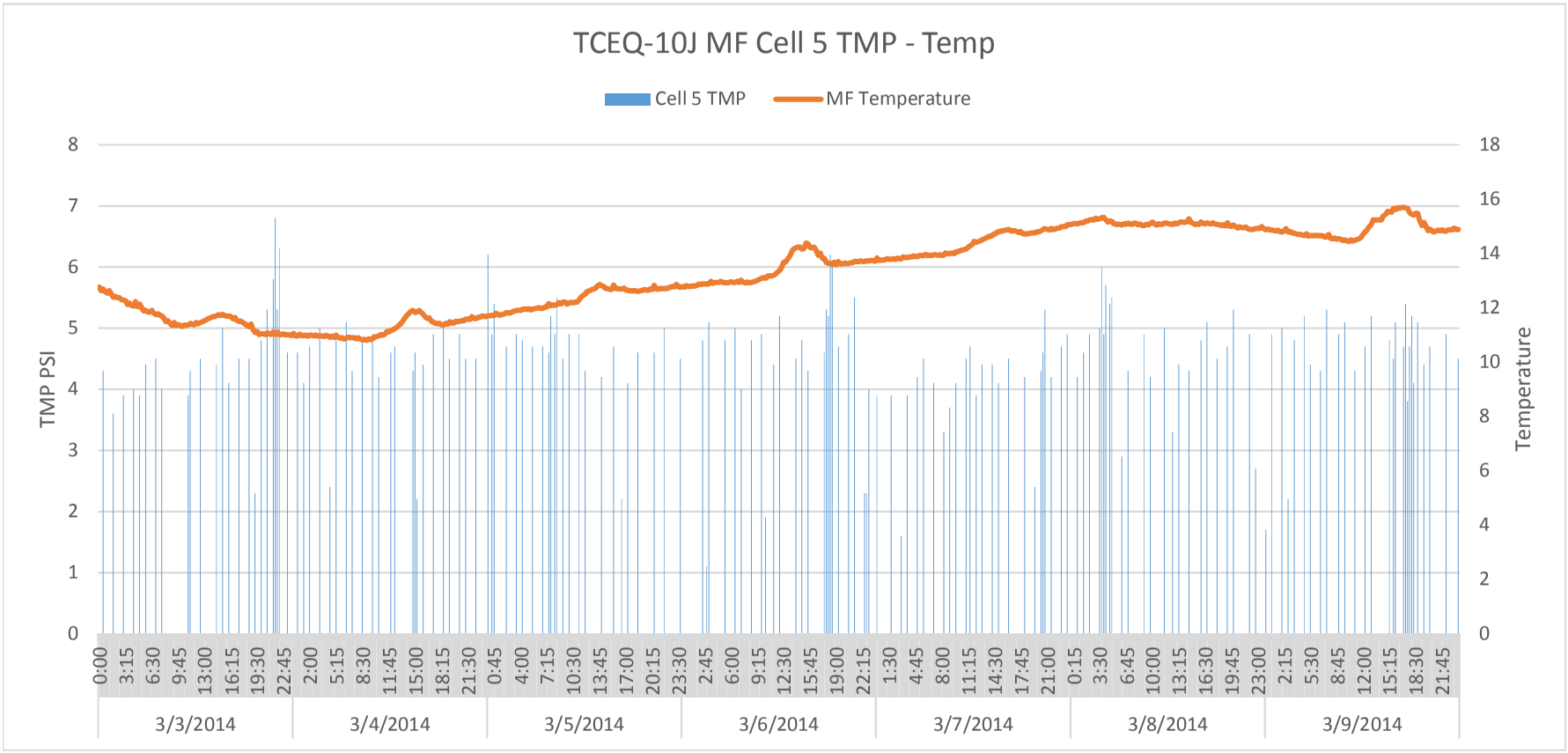

TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
0
1
2
3
4
5
6
7
0
2
4
6
8
10
12
14
16
18
20
0:00
3:15
6:30
9:45
13:00
16:15
19:30
22:45
2:00
5:15
8:30
11:45
15:00
18:15
21:30
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4:00
7:15
10:30
13:45
17:00
20:15
23:30
2:45
6:00
9:15
12:30
15:45
19:00
22:15
1:30
4:45
8:00
11:15
14:30
17:45
21:00
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10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
1/27/2014
1/28/2014
1/29/2014
1/30/2014
1/31/2014
2/1/2014
2/2/2014

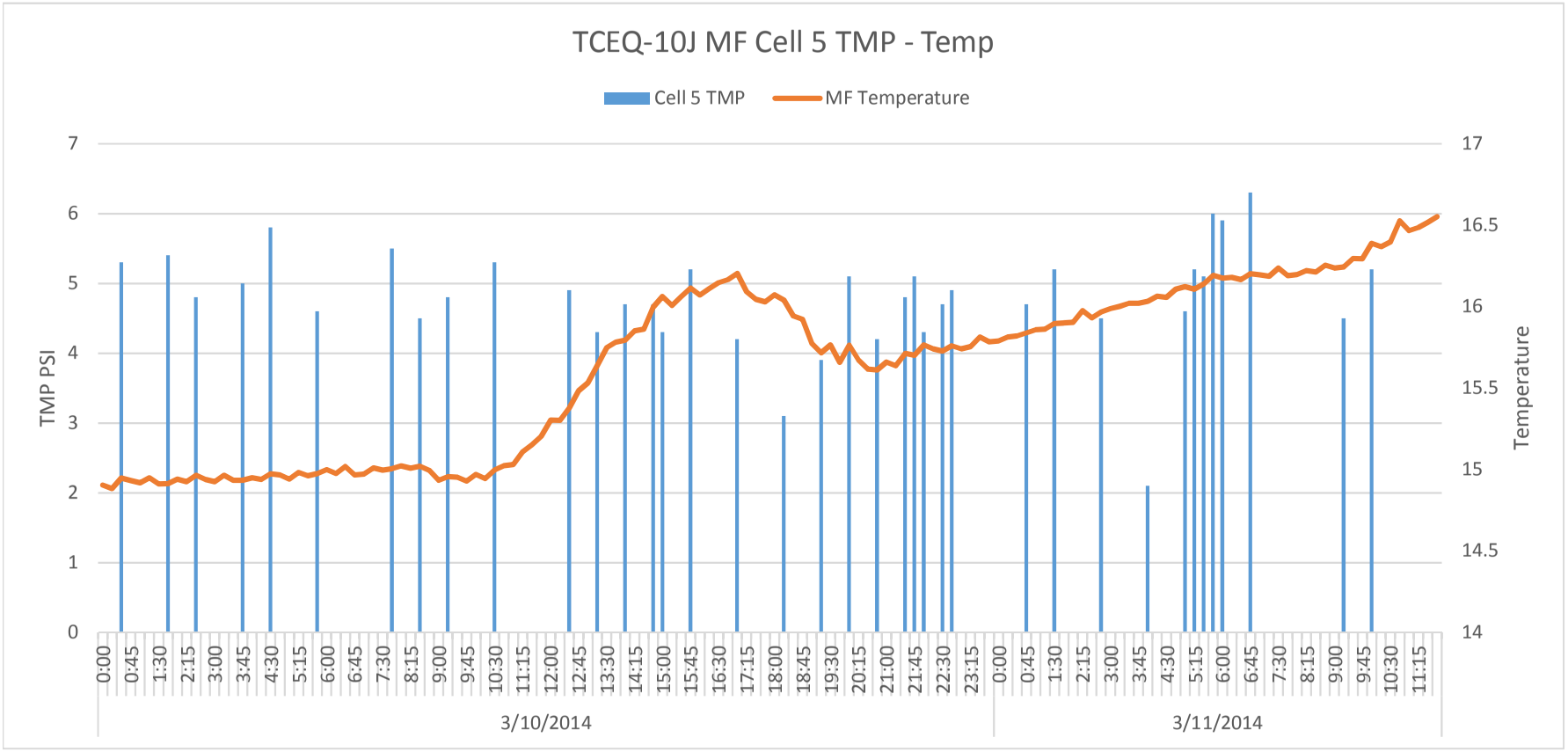

TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
0
1
2
3
4
5
6
7
8
0
2
4
6
8
10
12
14
0:00
3:15
6:30
9:45
13:00
16:15
19:30
22:45
2:00
5:15
8:30
11:45
15:00
18:15
21:30
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7:15
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13:45
17:00
20:15
23:30
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12:30
15:45
19:00
22:15
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11:15
14:30
17:45
21:00
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3:30
6:45
10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
2/3/2014
2/4/2014
2/5/2014
2/6/2014
2/7/2014
2/8/2014
2/9/2014


TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
0
1
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3
4
5
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4
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0:00
3:15
6:30
9:45
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16:15
19:30
22:45
2:00
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8:30
11:45
15:00
18:15
21:30
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23:30
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17:45
21:00
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3:30
6:45
10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
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2/11/2014
2/12/2014
2/13/2014
2/14/2014
2/15/2014
2/16/2014


TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
0
1
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3
4
5
6
7
14.5
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15.5
16
16.5
17
17.5
18
0:00
3:15
6:30
9:45
13:00
16:15
19:30
22:45
2:00
5:15
8:30
11:45
15:00
18:15
21:30
0:45
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13:45
17:00
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23:30
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12:30
15:45
19:00
22:15
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4:45
8:00
11:15
14:30
17:45
21:00
0:15
3:30
6:45
10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
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2/18/2014
2/19/2014
2/20/2014
2/21/2014
2/22/2014
2/23/2014


TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
0
1
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7
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9
0
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4
6
8
10
12
14
16
18
0:00
3:15
6:30
9:45
13:00
16:15
19:30
22:45
2:00
5:15
8:30
11:45
15:00
18:15
21:30
0:45
4:00
7:15
10:30
13:45
17:00
20:15
23:30
2:45
6:00
9:15
12:30
15:45
19:00
22:15
1:30
4:45
8:00
11:15
14:30
17:45
21:00
0:15
3:30
6:45
10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
2/24/2014
2/25/2014
2/26/2014
2/27/2014
2/28/2014
3/1/2014
3/2/2014


TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
0
1
2
3
4
5
6
7
8
0
2
4
6
8
10
12
14
16
18
0:00
3:15
6:30
9:45
13:00
16:15
19:30
22:45
2:00
5:15
8:30
11:45
15:00
18:15
21:30
0:45
4:00
7:15
10:30
13:45
17:00
20:15
23:30
2:45
6:00
9:15
12:30
15:45
19:00
22:15
1:30
4:45
8:00
11:15
14:30
17:45
21:00
0:15
3:30
6:45
10:00
13:15
16:30
19:45
23:00
2:15
5:30
8:45
12:00
15:15
18:30
21:45
3/3/2014
3/4/2014
3/5/2014
3/6/2014
3/7/2014
3/8/2014
3/9/2014


TCEQ-10J MF Cell 5 TMP - Temp
Cell 5 TMP
MF Temperature
TMP PSI
Temperature
7
6
5
4
3
2
1
0
17
16.5
16
15.5
15
14.5
14
0:00
0:45
1:30
2:15
3:00
3:45
4:30
5:15
6:00
6:45
7:30
8:15
9:00
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12:00
12:45
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14:15
15:00
15:45
16:30
17:15
18:00
18:45
19:30
20:15
21:00
21:45
22:30
23:15
0:00
0:45
1:30
2:15
3:00
3:45
4:30
5:15
6:00
6:45
7:30
8:15
9:00
9:45
10:30
11:15
3/10/2014
3/11/2014

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
1/27/2014	0:00	25	19
	0:05	*	*
	0:10	29	20
	0:15	*	*
	0:20	*	20
	0:25	*	18
	0:30	33	*
	0:35	23	*
	0:40	23	*
	0:45	*	*
	0:50	*	23
	0:55	*	19
	1:00	*	18
	1:05	*	18
	1:10	*	18
	1:15	*	18
	1:20	38	*
	1:25	24	*
	1:30	23	*
	1:35	23	*
	1:40	23	*
	1:45	23	*
	1:50	*	23
	1:55	*	19
	2:00	*	18
	2:05	*	18
	2:10	*	18
	2:15	*	18
	2:20	39	*
	2:25	24	*
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	23	*
	2:50	*	24
	2:55	*	19
	3:00	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:05	*	18
	3:10	*	18
	3:15	*	18
	3:20	37	*
	3:25	24	*
	3:30	23	*
	3:35	23	*
	3:40	23	*
	3:45	23	*
	3:50	*	22
	3:55	*	20
	4:00	*	18
	4:05	*	18
	4:10	*	18
	4:15	*	18
	4:20	28	*
	4:25	25	*
	4:30	23	*
	4:35	23	*
	4:40	23	*
	4:45	23	*
	4:50	*	19
	4:55	*	20
	5:00	*	18
	5:05	*	18
	5:10	*	18
	5:15	*	18
	5:20	24	*
	5:25	27	*
	5:30	23	*
	5:35	23	*
	5:40	23	*
	5:45	23	*
	5:50	*	18
	5:55	*	20
	6:00	*	18
	6:05	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:10	*	18
	6:15	*	18
	6:20	24	*
	6:25	27	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	23	*
	6:50	*	18
	6:55	*	22
	7:00	*	18
	7:05	*	18
	7:10	*	18
	7:15	*	18
	7:20	24	*
	7:25	30	*
	7:30	24	*
	7:35	23	*
	7:40	23	*
	7:45	23	*
	7:50	*	*
	7:55	*	22
	8:00	*	18
	8:05	*	18
	8:10	*	18
	8:15	*	18
	8:20	*	*
	8:25	32	*
	8:30	24	*
	8:35	23	*
	8:40	23	*
	8:45	23	*
	8:50	23	*
	8:55	*	23
	9:00	*	18
	9:05	*	18
	9:10	26	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:15	25	*
	9:20	23	*
	9:25	23	*
	9:30	23	*
	9:35	23	*
	9:40	*	41
	9:45	*	46
	9:50	23	*
	9:55	26	*
	10:00	23	*
	10:05	23	*
	10:10	23	*
	10:15	23	*
	10:20	*	20
	10:25	*	20
	10:30	35	*
	10:35	24	*
	10:40	23	*
	10:45	23	*
	10:50	23	*
	10:55	23	*
	11:00	*	25
	11:05	*	19
	11:10	*	19
	11:15	*	19
	11:20	*	18
	11:25	*	18
	11:30	*	*
	11:35	36	*
	11:40	24	*
	11:45	23	*
	11:50	23	*
	11:55	23	*
	12:00	23	*
	12:05	*	29
	12:10	*	20
	12:15	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:20	*	18
	12:25	*	18
	12:30	*	18
	12:35	39	*
	12:40	24	*
	12:45	23	*
	12:50	23	*
	12:55	23	*
	13:00	23	*
	13:05	*	28
	13:10	*	20
	13:15	*	18
	13:20	*	18
	13:25	*	18
	13:30	*	18
	13:35	48	*
	13:40	24	*
	13:45	23	*
	13:50	23	*
	13:55	23	*
	14:00	23	*
	14:05	*	*
	14:10	26	*
	14:15	24	*
	14:20	23	*
	14:25	23	*
	14:30	23	*
	14:35	23	*
	14:40	*	*
	14:45	*	*
	14:50	45	*
	14:55	25	*
	15:00	23	*
	15:05	23	*
	15:10	23	*
	15:15	23	*
	15:20	*	24

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:25	*	19
	15:30	*	18
	15:35	*	18
	15:40	*	18
	15:45	*	18
	15:50	37	*
	15:55	24	*
	16:00	23	*
	16:05	23	*
	16:10	23	*
	16:15	23	*
	16:20	*	25
	16:25	*	20
	16:30	*	19
	16:35	*	20
	16:40	*	19
	16:45	*	19
	16:50	*	18
	16:55	40	*
	17:00	24	*
	17:05	23	*
	17:10	23	*
	17:15	*	18
	17:20	*	23
	17:25	*	19
	17:30	*	19
	17:35	*	19
	17:40	*	18
	17:45	24	*
	17:50	76	*
	17:55	*	24
	18:00	*	20
	18:05	*	19
	18:10	*	20
	18:15	*	19
	18:20	*	18
	18:25	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:30	44	*
	18:35	25	*
	18:40	24	*
	18:45	23	*
	18:50	23	*
	18:55	23	*
	19:00	*	25
	19:05	*	19
	19:10	*	19
	19:15	*	19
	19:20	*	18
	19:25	*	18
	19:30	33	*
	19:35	24	*
	19:40	23	*
	19:45	23	*
	19:50	23	*
	19:55	23	*
	20:00	*	23
	20:05	*	21
	20:10	*	19
	20:15	*	21
	20:20	*	19
	20:25	*	19
	20:30	*	18
	20:35	35	*
	20:40	24	*
	20:45	23	*
	20:50	23	*
	20:55	23	*
	21:00	23	*
	21:05	*	24
	21:10	*	19
	21:15	*	19
	21:20	*	19
	21:25	*	18
	21:30	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:35	30	*
	21:40	24	*
	21:45	24	*
	21:50	25	*
	21:55	23	*
	22:00	23	*
	22:05	23	*
	22:10	*	25
	22:15	*	19
	22:20	*	19
	22:25	*	19
	22:30	*	19
	22:35	*	19
	22:40	36	*
	22:45	24	*
	22:50	23	*
	22:55	23	*
	23:00	23	*
	23:05	23	*
	23:10	*	25
	23:15	*	19
	23:20	*	19
	23:25	*	19
	23:30	*	18
	23:35	*	19
	23:40	33	*
	23:45	*	*
	23:50	24	*
	23:55	25	*
1/28/2014	0:00	23	*
	0:05	23	*
	0:10	23	*
	0:15	*	23
	0:20	*	19
	0:25	*	19
	0:30	*	19
	0:35	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:40	*	19
	0:45	35	*
	0:50	24	*
	0:55	23	*
	1:00	23	*
	1:05	23	*
	1:10	23	*
	1:15	*	22
	1:20	*	19
	1:25	*	19
	1:30	*	19
	1:35	*	19
	1:40	*	18
	1:45	31	*
	1:50	24	*
	1:55	24	*
	2:00	25	*
	2:05	23	*
	2:10	23	*
	2:15	24	*
	2:20	*	24
	2:25	*	19
	2:30	*	19
	2:35	*	19
	2:40	*	19
	2:45	*	19
	2:50	40	*
	2:55	24	*
	3:00	24	*
	3:05	24	*
	3:10	24	*
	3:15	24	*
	3:20	*	24
	3:25	*	20
	3:30	*	19
	3:35	*	20
	3:40	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:45	*	19
	3:50	*	19
	3:55	32	*
	4:00	24	*
	4:05	23	*
	4:10	23	*
	4:15	23	*
	4:20	23	*
	4:25	*	24
	4:30	*	19
	4:35	*	19
	4:40	*	19
	4:45	*	19
	4:50	*	19
	4:55	35	*
	5:00	24	*
	5:05	23	*
	5:10	23	*
	5:15	23	*
	5:20	23	*
	5:25	*	25
	5:30	*	20
	5:35	*	19
	5:40	*	19
	5:45	*	19
	5:50	*	19
	5:55	*	19
	6:00	35	*
	6:05	24	*
	6:10	23	*
	6:15	23	*
	6:20	23	*
	6:25	23	*
	6:30	*	24
	6:35	*	19
	6:40	*	19
	6:45	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:50	*	19
	6:55	*	19
	7:00	31	*
	7:05	24	*
	7:10	23	*
	7:15	23	*
	7:20	23	*
	7:25	23	*
	7:30	*	25
	7:35	*	*
	7:40	*	19
	7:45	*	20
	7:50	*	19
	7:55	*	19
	8:00	*	19
	8:05	31	*
	8:10	24	*
	8:15	23	*
	8:20	23	*
	8:25	23	*
	8:30	23	*
	8:35	*	23
	8:40	*	19
	8:45	*	19
	8:50	*	19
	8:55	*	19
	9:00	*	19
	9:05	31	*
	9:10	*	*
	9:15	24	*
	9:20	24	*
	9:25	23	*
	9:30	23	*
	9:35	*	*
	9:40	*	24
	9:45	*	19
	9:50	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:55	*	19
	10:00	*	19
	10:05	*	19
	10:10	31	*
	10:15	*	*
	10:20	25	*
	10:25	24	*
	10:30	23	*
	10:35	23	*
	10:40	*	19
	10:45	*	22
	10:50	*	19
	10:55	*	19
	11:00	*	19
	11:05	*	19
	11:10	24	*
	11:15	26	*
	11:20	23	*
	11:25	23	*
	11:30	23	*
	11:35	23	*
	11:40	*	19
	11:45	*	24
	11:50	*	*
	11:55	*	20
	12:00	*	19
	12:05	*	19
	12:10	*	19
	12:15	24	*
	12:20	26	*
	12:25	23	*
	12:30	23	*
	12:35	23	*
	12:40	23	*
	12:45	*	19
	12:50	*	22
	12:55	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:00	*	19
	13:05	*	19
	13:10	*	19
	13:15	24	*
	13:20	27	*
	13:25	23	*
	13:30	23	*
	13:35	23	*
	13:40	23	*
	13:45	*	*
	13:50	*	24
	13:55	*	19
	14:00	*	19
	14:05	*	19
	14:10	*	19
	14:15	*	*
	14:20	30	*
	14:25	*	*
	14:30	26	*
	14:35	23	*
	14:40	23	*
	14:45	23	*
	14:50	*	19
	14:55	*	23
	15:00	*	19
	15:05	*	19
	15:10	*	19
	15:15	*	19
	15:20	24	*
	15:25	26	*
	15:30	23	*
	15:35	*	19
	15:40	*	21
	15:45	*	*
	15:50	*	19
	15:55	*	19
	16:00	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:05	*	19
	16:10	*	*
	16:15	27	*
	16:20	23	*
	16:25	23	*
	16:30	23	*
	16:35	23	*
	16:40	*	*
	16:45	*	22
	16:50	*	19
	16:55	*	19
	17:00	*	19
	17:05	*	19
	17:10	*	19
	17:15	29	*
	17:20	23	*
	17:25	23	*
	17:30	23	*
	17:35	23	*
	17:40	23	*
	17:45	*	23
	17:50	*	19
	17:55	*	19
	18:00	*	19
	18:05	*	19
	18:10	*	19
	18:15	28	*
	18:20	23	*
	18:25	23	*
	18:30	23	*
	18:35	23	*
	18:40	23	*
	18:45	*	25
	18:50	*	19
	18:55	*	19
	19:00	*	19
	19:05	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:10	*	19
	19:15	*	*
	19:20	*	19
	19:25	*	21
	19:30	*	19
	19:35	*	19
	19:40	*	19
	19:45	*	19
	19:50	*	*
	19:55	*	*
	20:00	*	21
	20:05	*	19
	20:10	*	19
	20:15	*	19
	20:20	*	19
	20:25	*	19
	20:30	32	*
	20:35	24	*
	20:40	23	*
	20:45	23	*
	20:50	23	*
	20:55	23	*
	21:00	*	21
	21:05	*	20
	21:10	*	19
	21:15	*	19
	21:20	*	19
	21:25	*	19
	21:30	25	*
	21:35	25	*
	21:40	23	*
	21:45	23	*
	21:50	23	*
	21:55	23	*
	22:00	*	19
	22:05	*	20
	22:10	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:15	*	19
	22:20	*	19
	22:25	*	19
	22:30	23	*
	22:35	25	*
	22:40	23	*
	22:45	23	*
	22:50	23	*
	22:55	23	*
	23:00	*	19
	23:05	*	23
	23:10	*	19
	23:15	*	19
	23:20	*	19
	23:25	*	19
	23:30	24	*
	23:35	26	*
	23:40	23	*
	23:45	23	*
	23:50	23	*
	23:55	23	*
1/29/2014	0:00	*	19
	0:05	*	24
	0:10	*	19
	0:15	*	19
	0:20	*	19
	0:25	*	19
	0:30	24	*
	0:35	29	*
	0:40	*	*
	0:45	25	*
	0:50	23	*
	0:55	23	*
	1:00	23	*
	1:05	*	19
	1:10	*	23
	1:15	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:20	*	19
	1:25	*	19
	1:30	*	19
	1:35	23	*
	1:40	26	*
	1:45	23	*
	1:50	23	*
	1:55	23	*
	2:00	23	*
	2:05	*	19
	2:10	*	24
	2:15	*	19
	2:20	*	19
	2:25	*	19
	2:30	*	19
	2:35	24	*
	2:40	27	*
	2:45	23	*
	2:50	23	*
	2:55	23	*
	3:00	23	*
	3:05	*	*
	3:10	*	26
	3:15	*	19
	3:20	*	19
	3:25	*	19
	3:30	*	19
	3:35	*	*
	3:40	30	*
	3:45	23	*
	3:50	23	*
	3:55	23	*
	4:00	23	*
	4:05	23	*
	4:10	*	28
	4:15	*	*
	4:20	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:25	*	19
	4:30	*	19
	4:35	*	19
	4:40	24	*
	4:45	28	*
	4:50	23	*
	4:55	23	*
	5:00	23	*
	5:05	23	*
	5:10	*	19
	5:15	*	23
	5:20	*	19
	5:25	*	19
	5:30	*	19
	5:35	*	19
	5:40	*	*
	5:45	28	*
	5:50	23	*
	5:55	23	*
	6:00	23	*
	6:05	23	*
	6:10	*	*
	6:15	*	29
	6:20	*	19
	6:25	*	19
	6:30	*	19
	6:35	*	19
	6:40	*	19
	6:45	30	*
	6:50	23	*
	6:55	23	*
	7:00	23	*
	7:05	23	19
	7:10	*	24
	7:15	*	19
	7:20	*	19
	7:25	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:30	*	19
	7:35	24	*
	7:40	25	*
	7:45	*	22
	7:50	*	22
	7:55	*	*
	8:00	*	20
	8:05	*	19
	8:10	*	19
	8:15	*	19
	8:20	31	*
	8:25	24	*
	8:30	23	*
	8:35	23	*
	8:40	23	*
	8:45	23	*
	8:50	*	20
	8:55	*	21
	9:00	*	19
	9:05	*	19
	9:10	*	19
	9:15	*	19
	9:20	23	*
	9:25	25	*
	9:30	*	25
	9:35	*	20
	9:40	*	19
	9:45	*	19
	9:50	*	19
	9:55	*	19
	10:00	27	*
	10:05	23	*
	10:10	23	*
	10:15	23	*
	10:20	*	19
	10:25	*	22
	10:30	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:35	*	19
	10:40	*	19
	10:45	*	19
	10:50	23	*
	10:55	25	*
	11:00	23	*
	11:05	23	*
	11:10	23	*
	11:15	23	*
	11:20	*	19
	11:25	*	*
	11:30	27	*
	11:35	23	*
	11:40	23	*
	11:45	23	*
	11:50	23	*
	11:55	*	*
	12:00	*	*
	12:05	*	19
	12:10	*	45
	12:15	*	21
	12:20	*	19
	12:25	*	19
	12:30	23	*
	12:35	24	*
	12:40	23	*
	12:45	23	*
	12:50	23	*
	12:55	23	*
	13:00	*	*
	13:05	*	*
	13:10	*	*
	13:15	*	*
	13:20	24	*
	13:25	26	*
	13:30	23	*
	13:35	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:40	23	*
	13:45	23	*
	13:50	*	19
	13:55	*	27
	14:00	*	19
	14:05	25	*
	14:10	24	*
	14:15	23	*
	14:20	23	*
	14:25	23	*
	14:30	23	*
	14:35	*	*
	14:40	24	*
	14:45	27	*
	14:50	*	*
	14:55	27	*
	15:00	24	*
	15:05	23	*
	15:10	23	*
	15:15	23	*
	15:20	23	*
	15:25	*	*
	15:30	23	*
	15:35	26	*
	15:40	23	*
	15:45	23	*
	15:50	23	*
	15:55	23	*
	16:00	*	*
	16:05	*	23
	16:10	*	19
	16:15	*	19
	16:20	*	19
	16:25	*	19
	16:30	*	19
	16:35	40	*
	16:40	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	23	*
	17:05	*	24
	17:10	*	21
	17:15	*	19
	17:20	*	19
	17:25	*	19
	17:30	*	19
	17:35	35	*
	17:40	24	*
	17:45	23	*
	17:50	23	*
	17:55	23	*
	18:00	23	*
	18:05	*	22
	18:10	*	21
	18:15	*	19
	18:20	*	19
	18:25	*	19
	18:30	*	19
	18:35	26	*
	18:40	24	*
	18:45	23	*
	18:50	23	*
	18:55	23	*
	19:00	23	*
	19:05	*	20
	19:10	*	21
	19:15	*	19
	19:20	*	19
	19:25	*	19
	19:30	*	19
	19:35	23	*
	19:40	24	*
	19:45	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:50	23	*
	19:55	23	*
	20:00	23	*
	20:05	*	19
	20:10	*	23
	20:15	*	19
	20:20	*	19
	20:25	*	19
	20:30	*	19
	20:35	24	*
	20:40	25	*
	20:45	23	*
	20:50	23	*
	20:55	*	19
	21:00	*	21
	21:05	*	19
	21:10	*	19
	21:15	*	19
	21:20	*	19
	21:25	24	*
	21:30	37	*
	21:35	*	*
	21:40	*	22
	21:45	*	19
	21:50	*	19
	21:55	*	19
	22:00	*	19
	22:05	*	*
	22:10	30	*
	22:15	23	*
	22:20	23	*
	22:25	23	*
	22:30	23	*
	22:35	23	*
	22:40	*	23
	22:45	*	19
	22:50	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:55	*	19
	23:00	*	19
	23:05	*	19
	23:10	33	*
	23:15	23	*
	23:20	23	*
	23:25	23	*
	23:30	23	*
	23:35	23	*
	23:40	*	26
	23:45	*	19
	23:50	*	19
	23:55	*	19
1/30/2014	0:00	*	19
	0:05	*	19
	0:10	37	*
	0:15	23	*
	0:20	23	*
	0:25	23	*
	0:30	23	*
	0:35	23	*
	0:40	*	24
	0:45	*	19
	0:50	*	19
	0:55	*	19
	1:00	*	19
	1:05	*	19
	1:10	32	*
	1:15	24	*
	1:20	23	*
	1:25	23	*
	1:30	23	*
	1:35	23	*
	1:40	*	21
	1:45	*	20
	1:50	*	19
	1:55	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:00	*	19
	2:05	*	19
	2:10	24	*
	2:15	24	*
	2:20	23	*
	2:25	23	*
	2:30	23	*
	2:35	23	*
	2:40	*	19
	2:45	*	22
	2:50	*	19
	2:55	*	19
	3:00	*	19
	3:05	*	19
	3:10	23	*
	3:15	24	*
	3:20	23	*
	3:25	23	*
	3:30	23	*
	3:35	23	*
	3:40	*	19
	3:45	*	22
	3:50	*	19
	3:55	*	19
	4:00	*	19
	4:05	*	19
	4:10	24	*
	4:15	27	*
	4:20	23	*
	4:25	23	*
	4:30	23	*
	4:35	23	*
	4:40	*	19
	4:45	*	24
	4:50	*	19
	4:55	*	19
	5:00	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:05	*	19
	5:10	*	*
	5:15	27	*
	5:20	23	*
	5:25	23	*
	5:30	23	*
	5:35	23	*
	5:40	*	*
	5:45	*	26
	5:50	*	19
	5:55	*	19
	6:00	*	19
	6:05	*	19
	6:10	*	19
	6:15	31	*
	6:20	23	*
	6:25	23	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	*	24
	6:50	*	19
	6:55	*	19
	7:00	*	19
	7:05	*	19
	7:10	*	19
	7:15	31	*
	7:20	23	*
	7:25	23	*
	7:30	23	*
	7:35	23	*
	7:40	23	*
	7:45	*	25
	7:50	*	19
	7:55	*	19
	8:00	*	19
	8:05	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:10	30	*
	8:15	23	*
	8:20	23	*
	8:25	23	*
	8:30	23	*
	8:35	23	*
	8:40	*	24
	8:45	*	19
	8:50	*	19
	8:55	*	19
	9:00	*	19
	9:05	*	19
	9:10	29	*
	9:15	23	*
	9:20	23	*
	9:25	23	*
	9:30	23	*
	9:35	23	*
	9:40	*	22
	9:45	*	20
	9:50	*	19
	9:55	32	*
	10:00	23	*
	10:05	23	*
	10:10	23	*
	10:15	23	*
	10:20	23	*
	10:25	*	23
	10:30	*	19
	10:35	*	19
	10:40	*	19
	10:45	*	19
	10:50	*	19
	10:55	26	*
	11:00	24	*
	11:05	23	*
	11:10	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:15	23	*
	11:20	23	*
	11:25	*	19
	11:30	*	21
	11:35	*	19
	11:40	*	19
	11:45	*	19
	11:50	*	19
	11:55	23	*
	12:00	24	*
	12:05	23	*
	12:10	23	*
	12:15	23	*
	12:20	23	*
	12:25	*	19
	12:30	*	22
	12:35	*	19
	12:40	*	19
	12:45	23	*
	12:50	24	19
	12:55	*	21
	13:00	*	20
	13:05	*	19
	13:10	*	19
	13:15	*	19
	13:20	26	*
	13:25	23	*
	13:30	23	*
	13:35	23	*
	13:40	*	19
	13:45	*	21
	13:50	24	19
	13:55	26	19
	14:00	23	19
	14:05	*	*
	14:10	25	20
	14:15	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:20	25	*
	14:25	23	*
	14:30	*	*
	14:35	*	24
	14:40	24	19
	14:45	27	*
	14:50	23	*
	14:55	23	*
	15:00	23	*
	15:05	23	*
	15:10	*	*
	15:15	*	20
	15:20	24	*
	15:25	24	*
	15:30	23	*
	15:35	23	*
	15:40	23	*
	15:45	23	*
	15:50	*	21
	15:55	*	19
	16:00	30	*
	16:05	23	*
	16:10	23	*
	16:15	23	*
	16:20	23	*
	16:25	23	*
	16:30	*	22
	16:35	23	19
	16:40	25	19
	16:45	*	*
	16:50	28	20
	16:55	23	19
	17:00	*	*
	17:05	24	*
	17:10	23	*
	17:15	*	19
	17:20	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:25	26	*
	17:30	23	*
	17:35	23	*
	17:40	23	*
	17:45	23	*
	17:50	*	*
	17:55	*	*
	18:00	25	*
	18:05	24	*
	18:10	23	*
	18:15	23	*
	18:20	23	*
	18:25	23	*
	18:30	*	*
	18:35	*	*
	18:40	*	*
	18:45	26	*
	18:50	23	*
	18:55	23	*
	19:00	23	*
	19:05	23	*
	19:10	*	*
	19:15	*	23
	19:20	*	19
	19:25	*	19
	19:30	*	19
	19:35	*	19
	19:40	*	*
	19:45	*	*
	19:50	*	20
	19:55	*	19
	20:00	*	19
	20:05	*	19
	20:10	*	19
	20:15	*	19
	20:20	*	*
	20:25	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:30	*	24
	20:35	*	19
	20:40	23	*
	20:45	27	*
	20:50	23	*
	20:55	23	*
	21:00	23	*
	21:05	23	*
	21:10	*	*
	21:15	*	23
	21:20	24	*
	21:25	26	*
	21:30	23	*
	21:35	23	*
	21:40	23	*
	21:45	23	*
	21:50	*	19
	21:55	*	20
	22:00	28	*
	22:05	23	*
	22:10	23	*
	22:15	23	*
	22:20	23	*
	22:25	23	*
	22:30	*	19
	22:35	*	19
	22:40	30	*
	22:45	23	*
	22:50	23	*
	22:55	23	*
	23:00	23	*
	23:05	23	*
	23:10	*	20
	23:15	*	*
	23:20	26	*
	23:25	23	*
	23:30	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:35	23	*
	23:40	23	*
	23:45	*	*
	23:50	*	21
	23:55	23	*
1/31/2014	0:00	24	*
	0:05	23	*
	0:10	23	*
	0:15	23	*
	0:20	23	*
	0:25	*	*
	0:30	*	20
	0:35	28	*
	0:40	23	*
	0:45	23	*
	0:50	23	*
	0:55	23	*
	1:00	23	*
	1:05	*	20
	1:10	*	19
	1:15	27	*
	1:20	23	*
	1:25	23	*
	1:30	23	*
	1:35	23	*
	1:40	23	*
	1:45	*	20
	1:50	23	*
	1:55	24	*
	2:00	23	*
	2:05	23	*
	2:10	23	*
	2:15	23	*
	2:20	*	19
	2:25	*	20
	2:30	23	*
	2:35	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:40	23	*
	2:45	23	*
	2:50	23	*
	2:55	23	*
	3:00	*	19
	3:05	*	19
	3:10	28	*
	3:15	23	*
	3:20	23	*
	3:25	23	*
	3:30	23	*
	3:35	23	*
	3:40	*	*
	3:45	*	20
	3:50	31	*
	3:55	23	*
	4:00	23	*
	4:05	23	*
	4:10	23	*
	4:15	23	*
	4:20	*	20
	4:25	*	*
	4:30	27	*
	4:35	23	*
	4:40	23	*
	4:45	23	*
	4:50	23	*
	4:55	23	*
	5:00	*	22
	5:05	23	19
	5:10	24	*
	5:15	23	*
	5:20	23	*
	5:25	23	*
	5:30	23	*
	5:35	*	*
	5:40	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:45	34	*
	5:50	23	*
	5:55	23	*
	6:00	23	*
	6:05	23	*
	6:10	23	*
	6:15	*	21
	6:20	*	19
	6:25	32	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	23	*
	6:50	23	*
	6:55	*	21
	7:00	*	*
	7:05	29	*
	7:10	23	*
	7:15	23	*
	7:20	23	*
	7:25	23	*
	7:30	23	*
	7:35	*	23
	7:40	23	*
	7:45	25	*
	7:50	23	*
	7:55	23	*
	8:00	23	*
	8:05	23	*
	8:10	*	*
	8:15	*	20
	8:20	26	19
	8:25	23	*
	8:30	23	*
	8:35	23	*
	8:40	23	*
	8:45	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:50	*	*
	8:55	*	20
	9:00	28	*
	9:05	23	20
	9:10	23	*
	9:15	23	*
	9:20	*	*
	9:25	25	*
	9:30	*	*
	9:35	*	19
	9:40	24	*
	9:45	24	*
	9:50	23	*
	9:55	23	*
	10:00	23	*
	10:05	23	*
	10:10	*	*
	10:15	*	20
	10:20	27	19
	10:25	23	*
	10:30	23	*
	10:35	23	*
	10:40	23	*
	10:45	23	19
	10:50	*	19
	10:55	*	19
	11:00	29	*
	11:05	23	*
	11:10	23	*
	11:15	23	*
	11:20	23	*
	11:25	23	*
	11:30	*	20
	11:35	*	*
	11:40	27	*
	11:45	23	*
	11:50	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:55	23	*
	12:00	23	*
	12:05	*	*
	12:10	*	*
	12:15	23	23
	12:20	24	*
	12:25	*	19
	12:30	*	19
	12:35	23	19
	12:40	354	*
	12:45	*	19
	12:50	*	20
	12:55	487	19
	13:00	27	*
	13:05	*	19
	13:10	*	23
	13:15	25	*
	13:20	24	*
	13:25	23	*
	13:30	23	*
	13:35	23	*
	13:40	23	*
	13:45	*	*
	13:50	*	20
	13:55	31	19
	14:00	23	19
	14:05	23	*
	14:10	24	*
	14:15	23	*
	14:20	23	*
	14:25	23	19
	14:30	*	19
	14:35	23	*
	14:40	25	*
	14:45	*	*
	14:50	27	*
	14:55	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:00	23	*
	15:05	23	*
	15:10	*	19
	15:15	*	21
	15:20	33	*
	15:25	23	*
	15:30	23	*
	15:35	23	*
	15:40	23	*
	15:45	23	*
	15:50	*	19
	15:55	23	*
	16:00	26	*
	16:05	23	*
	16:10	23	*
	16:15	23	*
	16:20	23	*
	16:25	*	*
	16:30	*	20
	16:35	23	*
	16:40	24	*
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	23	*
	17:05	*	19
	17:10	*	19
	17:15	30	*
	17:20	23	*
	17:25	23	*
	17:30	23	*
	17:35	23	*
	17:40	23	*
	17:45	*	20
	17:50	*	19
	17:55	28	*
	18:00	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:05	23	*
	18:10	23	*
	18:15	23	*
	18:20	23	*
	18:25	*	20
	18:30	24	*
	18:35	25	*
	18:40	23	*
	18:45	23	*
	18:50	23	*
	18:55	23	*
	19:00	*	19
	19:05	*	19
	19:10	25	*
	19:15	24	*
	19:20	23	*
	19:25	23	*
	19:30	23	*
	19:35	23	*
	19:40	*	20
	19:45	*	19
	19:50	30	*
	19:55	23	*
	20:00	23	*
	20:05	23	*
	20:10	23	*
	20:15	23	*
	20:20	*	23
	20:25	*	19
	20:30	29	*
	20:35	23	*
	20:40	23	*
	20:45	23	*
	20:50	23	*
	20:55	*	19
	21:00	*	20
	21:05	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:10	24	*
	21:15	23	*
	21:20	23	*
	21:25	23	*
	21:30	23	*
	21:35	*	19
	21:40	*	19
	21:45	29	*
	21:50	23	*
	21:55	23	*
	22:00	23	*
	22:05	23	*
	22:10	23	*
	22:15	*	20
	22:20	*	19
	22:25	28	*
	22:30	23	*
	22:35	23	*
	22:40	23	*
	22:45	23	*
	22:50	23	*
	22:55	*	24
	23:00	23	*
	23:05	26	*
	23:10	23	*
	23:15	23	*
	23:20	23	*
	23:25	23	*
	23:30	*	19
	23:35	*	20
	23:40	23	*
	23:45	24	*
	23:50	23	*
	23:55	23	*
2/1/2014	0:00	23	*
	0:05	23	*
	0:10	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:15	*	20
	0:20	28	*
	0:25	24	*
	0:30	23	*
	0:35	23	*
	0:40	23	*
	0:45	23	*
	0:50	*	19
	0:55	*	19
	1:00	28	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	23	*
	1:25	23	*
	1:30	*	24
	1:35	24	*
	1:40	25	*
	1:45	23	*
	1:50	23	*
	1:55	23	*
	2:00	23	*
	2:05	*	*
	2:10	*	20
	2:15	23	*
	2:20	24	*
	2:25	23	*
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	*	19
	2:50	*	19
	2:55	24	*
	3:00	24	*
	3:05	23	*
	3:10	23	*
	3:15	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:20	23	*
	3:25	*	19
	3:30	*	19
	3:35	31	*
	3:40	23	*
	3:45	23	*
	3:50	23	*
	3:55	23	*
	4:00	23	*
	4:05	*	22
	4:10	*	20
	4:15	*	19
	4:20	*	19
	4:25	*	19
	4:30	*	19
	4:35	*	*
	4:40	*	*
	4:45	*	26
	4:50	*	19
	4:55	*	19
	5:00	*	19
	5:05	*	19
	5:10	*	19
	5:15	*	*
	5:20	*	19
	5:25	*	20
	5:30	*	19
	5:35	*	*
	5:40	25	*
	5:45	24	*
	5:50	23	*
	5:55	23	*
	6:00	23	*
	6:05	23	*
	6:10	*	19
	6:15	*	20
	6:20	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:25	24	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	23	*
	6:50	*	19
	6:55	*	19
	7:00	29	*
	7:05	23	*
	7:10	23	*
	7:15	23	*
	7:20	23	*
	7:25	23	*
	7:30	*	22
	7:35	*	19
	7:40	27	*
	7:45	23	*
	7:50	23	*
	7:55	23	*
	8:00	23	*
	8:05	*	*
	8:10	*	19
	8:15	24	*
	8:20	24	*
	8:25	23	*
	8:30	23	*
	8:35	23	*
	8:40	23	*
	8:45	*	*
	8:50	*	*
	8:55	25	*
	9:00	24	*
	9:05	23	*
	9:10	23	*
	9:15	23	*
	9:20	23	*
	9:25	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:30	*	20
	9:35	28	19
	9:40	23	19
	9:45	*	*
	9:50	24	*
	9:55	23	*
	10:00	*	*
	10:05	25	*
	10:10	*	*
	10:15	*	*
	10:20	23	*
	10:25	25	*
	10:30	23	*
	10:35	23	*
	10:40	23	24
	10:45	23	19
	10:50	*	*
	10:55	*	20
	11:00	*	*
	11:05	*	19
	11:10	*	19
	11:15	*	*
	11:20	*	*
	11:25	25	*
	11:30	24	*
	11:35	23	*
	11:40	23	*
	11:45	23	*
	11:50	23	*
	11:55	*	22
	12:00	*	19
	12:05	27	*
	12:10	23	*
	12:15	23	*
	12:20	23	*
	12:25	23	20
	12:30	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:35	*	*
	12:40	23	*
	12:45	24	*
	12:50	23	*
	12:55	23	*
	13:00	23	*
	13:05	23	*
	13:10	*	*
	13:15	*	20
	13:20	*	*
	13:25	28	*
	13:30	23	*
	13:35	23	*
	13:40	23	*
	13:45	23	*
	13:50	23	*
	13:55	*	20
	14:00	23	*
	14:05	24	*
	14:10	23	*
	14:15	23	*
	14:20	23	*
	14:25	23	942
	14:30	*	*
	14:35	*	*
	14:40	27	*
	14:45	24	*
	14:50	23	*
	14:55	23	*
	15:00	23	*
	15:05	23	*
	15:10	*	344
	15:15	*	51
	15:20	29	*
	15:25	23	*
	15:30	23	*
	15:35	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:40	23	*
	15:45	23	*
	15:50	*	21
	15:55	23	*
	16:00	26	*
	16:05	23	*
	16:10	23	19
	16:15	23	20
	16:20	23	*
	16:25	23	*
	16:30	*	23
	16:35	*	*
	16:40	25	19
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	23	*
	17:05	23	*
	17:10	*	21
	17:15	*	19
	17:20	35	*
	17:25	23	*
	17:30	23	*
	17:35	23	*
	17:40	23	*
	17:45	23	*
	17:50	*	21
	17:55	23	*
	18:00	26	*
	18:05	*	*
	18:10	32	*
	18:15	23	*
	18:20	23	*
	18:25	23	*
	18:30	*	*
	18:35	*	*
	18:40	27	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:45	23	*
	18:50	23	*
	18:55	23	*
	19:00	23	*
	19:05	23	*
	19:10	*	*
	19:15	*	*
	19:20	30	*
	19:25	23	*
	19:30	23	*
	19:35	*	*
	19:40	*	*
	19:45	26	*
	19:50	23	*
	19:55	*	26
	20:00	*	19
	20:05	*	*
	20:10	40	*
	20:15	23	*
	20:20	23	*
	20:25	23	*
	20:30	23	*
	20:35	23	*
	20:40	*	20
	20:45	24	*
	20:50	27	*
	20:55	23	*
	21:00	23	*
	21:05	23	*
	21:10	23	*
	21:15	*	*
	21:20	*	20
	21:25	25	*
	21:30	24	*
	21:35	23	*
	21:40	23	*
	21:45	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:50	23	*
	21:55	*	20
	22:00	*	19
	22:05	31	*
	22:10	23	19
	22:15	*	*
	22:20	*	*
	22:25	26	*
	22:30	23	*
	22:35	23	*
	22:40	*	20
	22:45	*	19
	22:50	*	19
	22:55	*	19
	23:00	*	19
	23:05	*	19
	23:10	*	19
	23:15	*	19
	23:20	*	19
	23:25	24	*
	23:30	572	*
	23:35	26	*
	23:40	25	*
	23:45	23	*
	23:50	23	*
	23:55	23	*
2/2/2014	0:00	*	22
	0:05	*	19
	0:10	30	*
	0:15	23	*
	0:20	23	*
	0:25	23	*
	0:30	23	*
	0:35	23	*
	0:40	*	20
	0:45	*	*
	0:50	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:55	23	*
	1:00	23	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	*	20
	1:25	24	19
	1:30	25	*
	1:35	23	*
	1:40	23	*
	1:45	23	*
	1:50	23	*
	1:55	*	19
	2:00	*	20
	2:05	25	*
	2:10	24	*
	2:15	23	*
	2:20	23	*
	2:25	23	*
	2:30	23	*
	2:35	*	19
	2:40	*	19
	2:45	33	*
	2:50	23	*
	2:55	23	*
	3:00	23	*
	3:05	23	*
	3:10	23	*
	3:15	*	22
	3:20	24	*
	3:25	27	*
	3:30	23	*
	3:35	23	*
	3:40	23	*
	3:45	23	*
	3:50	*	*
	3:55	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:00	23	*
	4:05	24	*
	4:10	23	*
	4:15	23	*
	4:20	23	*
	4:25	23	*
	4:30	*	19
	4:35	*	20
	4:40	29	*
	4:45	23	*
	4:50	23	*
	4:55	23	*
	5:00	23	*
	5:05	23	*
	5:10	*	20
	5:15	*	*
	5:20	29	*
	5:25	23	*
	5:30	23	*
	5:35	23	*
	5:40	23	*
	5:45	23	*
	5:50	*	22
	5:55	24	*
	6:00	25	*
	6:05	23	*
	6:10	23	*
	6:15	23	*
	6:20	23	*
	6:25	*	19
	6:30	*	19
	6:35	26	*
	6:40	24	*
	6:45	23	*
	6:50	23	*
	6:55	23	*
	7:00	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:05	*	19
	7:10	*	19
	7:15	28	*
	7:20	23	*
	7:25	23	*
	7:30	23	*
	7:35	23	*
	7:40	23	*
	7:45	*	20
	7:50	*	*
	7:55	25	*
	8:00	23	19
	8:05	23	21
	8:10	*	*
	8:15	24	*
	8:20	24	*
	8:25	23	*
	8:30	*	20
	8:35	*	19
	8:40	31	*
	8:45	23	*
	8:50	23	*
	8:55	23	*
	9:00	23	*
	9:05	23	*
	9:10	*	20
	9:15	24	*
	9:20	26	*
	9:25	23	*
	9:30	23	*
	9:35	23	*
	9:40	23	*
	9:45	*	*
	9:50	*	19
	9:55	25	*
	10:00	24	*
	10:05	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:10	23	*
	10:15	23	*
	10:20	23	*
	10:25	*	*
	10:30	*	19
	10:35	27	22
	10:40	23	*
	10:45	23	*
	10:50	23	*
	10:55	23	*
	11:00	23	*
	11:05	*	20
	11:10	*	19
	11:15	29	*
	11:20	23	*
	11:25	23	*
	11:30	23	*
	11:35	23	*
	11:40	23	*
	11:45	*	20
	11:50	24	19
	11:55	25	*
	12:00	23	*
	12:05	23	*
	12:10	23	*
	12:15	23	*
	12:20	*	*
	12:25	*	20
	12:30	24	*
	12:35	24	*
	12:40	23	22
	12:45	23	*
	12:50	23	*
	12:55	23	*
	13:00	*	*
	13:05	*	*
	13:10	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:15	*	20
	13:20	*	19
	13:25	*	19
	13:30	*	19
	13:35	*	*
	13:40	*	*
	13:45	*	19
	13:50	*	20
	13:55	*	19
	14:00	*	19
	14:05	*	19
	14:10	*	19
	14:15	24	*
	14:20	27	*
	14:25	*	*
	14:30	23	20
	14:35	24	*
	14:40	23	*
	14:45	23	*
	14:50	*	20
	14:55	*	*
	15:00	*	20
	15:05	*	19
	15:10	*	19
	15:15	*	*
	15:20	28	*
	15:25	*	22
	15:30	*	19
	15:35	*	19
	15:40	*	19
	15:45	*	19
	15:50	*	*
	15:55	26	*
	16:00	23	*
	16:05	23	*
	16:10	23	*
	16:15	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:20	*	20
	16:25	*	*
	16:30	28	*
	16:35	24	*
	16:40	24	*
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	*	20
	17:05	*	20
	17:10	*	19
	17:15	*	19
	17:20	*	19
	17:25	*	19
	17:30	*	*
	17:35	*	*
	17:40	*	22
	17:45	*	19
	17:50	*	19
	17:55	*	19
	18:00	*	19
	18:05	*	19
	18:10	*	*
	18:15	*	*
	18:20	24	*
	18:25	29	*
	18:30	23	*
	18:35	23	*
	18:40	23	*
	18:45	23	*
	18:50	*	*
	18:55	*	21
	19:00	25	*
	19:05	24	*
	19:10	23	*
	19:15	23	*
	19:20	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:25	23	*
	19:30	*	19
	19:35	*	19
	19:40	29	*
	19:45	23	*
	19:50	23	*
	19:55	23	*
	20:00	23	*
	20:05	23	*
	20:10	*	20
	20:15	*	19
	20:20	26	*
	20:25	23	*
	20:30	23	*
	20:35	23	*
	20:40	23	*
	20:45	23	19
	20:50	*	20
	20:55	24	*
	21:00	25	*
	21:05	23	*
	21:10	23	*
	21:15	23	*
	21:20	23	*
	21:25	*	19
	21:30	*	20
	21:35	*	*
	21:40	24	*
	21:45	24	*
	21:50	23	*
	21:55	23	*
	22:00	23	*
	22:05	23	*
	22:10	*	19
	22:15	*	20
	22:20	28	19
	22:25	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:30	25	*
	22:35	23	*
	22:40	23	*
	22:45	23	*
	22:50	*	19
	22:55	*	19
	23:00	24	*
	23:05	24	*
	23:10	*	*
	23:15	24	*
	23:20	23	*
	23:25	23	*
	23:30	23	*
	23:35	*	22
	23:40	*	19
	23:45	26	*
	23:50	23	*
	23:55	23	*
2/3/2014	0:00	23	*
	0:05	23	*
	0:10	23	*
	0:15	*	20
	0:20	23	*
	0:25	24	*
	0:30	23	*
	0:35	23	*
	0:40	23	*
	0:45	23	*
	0:50	*	19
	0:55	*	20
	1:00	25	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	23	*
	1:25	23	*
	1:30	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:35	*	20
	1:40	27	*
	1:45	23	19
	1:50	23	*
	1:55	23	*
	2:00	23	*
	2:05	23	*
	2:10	*	21
	2:15	*	19
	2:20	27	*
	2:25	23	*
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	23	*
	2:50	*	20
	2:55	24	*
	3:00	24	*
	3:05	23	*
	3:10	23	*
	3:15	23	*
	3:20	23	*
	3:25	*	19
	3:30	*	20
	3:35	27	*
	3:40	24	*
	3:45	23	*
	3:50	23	*
	3:55	23	*
	4:00	23	*
	4:05	*	19
	4:10	*	19
	4:15	29	*
	4:20	23	*
	4:25	23	*
	4:30	23	*
	4:35	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:40	23	*
	4:45	*	22
	4:50	*	19
	4:55	27	*
	5:00	23	*
	5:05	23	*
	5:10	23	*
	5:15	23	*
	5:20	23	19
	5:25	*	20
	5:30	24	*
	5:35	24	*
	5:40	23	*
	5:45	23	*
	5:50	23	*
	5:55	23	*
	6:00	*	*
	6:05	*	20
	6:10	24	19
	6:15	24	*
	6:20	23	*
	6:25	23	*
	6:30	23	*
	6:35	23	*
	6:40	*	19
	6:45	*	20
	6:50	27	*
	6:55	23	20
	7:00	*	*
	7:05	24	*
	7:10	23	*
	7:15	23	*
	7:20	*	*
	7:25	*	20
	7:30	23	*
	7:35	24	*
	7:40	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:45	23	*
	7:50	23	*
	7:55	23	*
	8:00	*	19
	8:05	*	19
	8:10	28	*
	8:15	23	*
	8:20	23	*
	8:25	23	*
	8:30	23	*
	8:35	23	*
	8:40	*	*
	8:45	*	20
	8:50	26	19
	8:55	23	*
	9:00	23	*
	9:05	23	*
	9:10	23	*
	9:15	23	*
	9:20	*	21
	9:25	24	*
	9:30	25	*
	9:35	23	*
	9:40	23	*
	9:45	23	*
	9:50	23	*
	9:55	*	*
	10:00	*	*
	10:05	25	20
	10:10	24	19
	10:15	23	*
	10:20	23	*
	10:25	*	*
	10:30	*	19
	10:35	*	20
	10:40	91	19
	10:45	118	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:50	*	19
	10:55	*	24
	11:00	52	19
	11:05	*	*
	11:10	24	*
	11:15	23	*
	11:20	23	*
	11:25	23	*
	11:30	23	*
	11:35	*	*
	11:40	24	20
	11:45	25	*
	11:50	23	*
	11:55	23	*
	12:00	23	*
	12:05	23	*
	12:10	*	*
	12:15	*	*
	12:20	23	*
	12:25	24	*
	12:30	23	*
	12:35	23	20
	12:40	23	19
	12:45	23	*
	12:50	*	19
	12:55	*	21
	13:00	27	19
	13:05	23	*
	13:10	23	*
	13:15	23	*
	13:20	23	*
	13:25	23	*
	13:30	*	19
	13:35	*	19
	13:40	*	*
	13:45	24	19
	13:50	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:55	25	*
	14:00	23	*
	14:05	23	*
	14:10	23	*
	14:15	*	*
	14:20	*	*
	14:25	29	*
	14:30	23	*
	14:35	23	*
	14:40	23	*
	14:45	23	*
	14:50	23	19
	14:55	*	20
	15:00	*	*
	15:05	25	*
	15:10	*	*
	15:15	25	*
	15:20	23	*
	15:25	23	*
	15:30	23	*
	15:35	23	*
	15:40	*	25
	15:45	24	20
	15:50	26	*
	15:55	23	19
	16:00	23	19
	16:05	23	20
	16:10	23	19
	16:15	*	19
	16:20	*	20
	16:25	23	19
	16:30	24	*
	16:35	23	*
	16:40	23	*
	16:45	23	*
	16:50	23	*
	16:55	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:00	*	19
	17:05	30	19
	17:10	23	*
	17:15	23	*
	17:20	23	*
	17:25	23	*
	17:30	23	*
	17:35	*	20
	17:40	*	19
	17:45	27	*
	17:50	23	*
	17:55	23	*
	18:00	23	*
	18:05	23	*
	18:10	23	*
	18:15	*	22
	18:20	24	*
	18:25	25	*
	18:30	23	*
	18:35	23	*
	18:40	23	*
	18:45	23	*
	18:50	*	*
	18:55	*	19
	19:00	28	*
	19:05	24	*
	19:10	23	*
	19:15	23	*
	19:20	23	*
	19:25	23	*
	19:30	*	21
	19:35	*	19
	19:40	29	*
	19:45	23	*
	19:50	23	*
	19:55	23	*
	20:00	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:05	23	*
	20:10	*	20
	20:15	*	19
	20:20	28	*
	20:25	23	*
	20:30	23	*
	20:35	23	*
	20:40	23	*
	20:45	23	*
	20:50	*	22
	20:55	24	*
	21:00	25	*
	21:05	23	*
	21:10	23	*
	21:15	23	*
	21:20	23	*
	21:25	*	*
	21:30	*	20
	21:35	25	*
	21:40	24	*
	21:45	23	*
	21:50	23	*
	21:55	23	*
	22:00	23	*
	22:05	*	20
	22:10	*	19
	22:15	28	*
	22:20	23	*
	22:25	23	*
	22:30	23	*
	22:35	23	*
	22:40	23	*
	22:45	*	20
	22:50	*	19
	22:55	28	*
	23:00	23	19
	23:05	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:10	23	*
	23:15	23	*
	23:20	23	*
	23:25	*	21
	23:30	24	*
	23:35	26	*
	23:40	23	*
	23:45	23	*
	23:50	23	*
	23:55	23	*
2/4/2014	0:00	*	*
	0:05	*	21
	0:10	24	*
	0:15	24	*
	0:20	23	*
	0:25	23	*
	0:30	23	*
	0:35	23	*
	0:40	*	19
	0:45	*	20
	0:50	28	*
	0:55	23	*
	1:00	23	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	*	20
	1:25	*	19
	1:30	27	*
	1:35	23	*
	1:40	23	*
	1:45	23	*
	1:50	23	*
	1:55	23	*
	2:00	*	24
	2:05	24	*
	2:10	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:15	23	*
	2:20	23	*
	2:25	*	20
	2:30	*	19
	2:35	*	19
	2:40	*	19
	2:45	*	*
	2:50	*	*
	2:55	*	22
	3:00	*	20
	3:05	*	19
	3:10	*	19
	3:15	*	19
	3:20	*	19
	3:25	*	*
	3:30	*	19
	3:35	*	22
	3:40	*	*
	3:45	32	*
	3:50	24	*
	3:55	23	*
	4:00	23	*
	4:05	23	*
	4:10	23	*
	4:15	*	21
	4:20	*	*
	4:25	30	*
	4:30	23	*
	4:35	23	*
	4:40	23	*
	4:45	23	*
	4:50	*	19
	4:55	*	20
	5:00	24	19
	5:05	25	*
	5:10	23	*
	5:15	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:20	23	*
	5:25	23	*
	5:30	*	19
	5:35	*	20
	5:40	28	*
	5:45	24	*
	5:50	23	*
	5:55	24	*
	6:00	23	*
	6:05	23	*
	6:10	23	*
	6:15	*	24
	6:20	24	*
	6:25	26	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	23	*
	6:50	*	*
	6:55	*	21
	7:00	24	*
	7:05	24	*
	7:10	23	*
	7:15	23	*
	7:20	23	*
	7:25	23	*
	7:30	*	19
	7:35	*	20
	7:40	27	19
	7:45	23	*
	7:50	23	*
	7:55	23	*
	8:00	23	*
	8:05	23	*
	8:10	*	*
	8:15	*	20
	8:20	26	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:25	23	20
	8:30	23	21
	8:35	23	*
	8:40	24	*
	8:45	23	*
	8:50	*	*
	8:55	*	21
	9:00	26	*
	9:05	24	*
	9:10	23	*
	9:15	23	*
	9:20	23	*
	9:25	23	*
	9:30	*	*
	9:35	*	20
	9:40	27	*
	9:45	23	*
	9:50	23	*
	9:55	23	*
	10:00	23	*
	10:05	23	20
	10:10	*	19
	10:15	*	*
	10:20	28	*
	10:25	*	*
	10:30	26	*
	10:35	23	*
	10:40	23	*
	10:45	*	*
	10:50	*	*
	10:55	25	*
	11:00	*	*
	11:05	*	23
	11:10	29	19
	11:15	*	*
	11:20	26	*
	11:25	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:30	23	*
	11:35	23	*
	11:40	*	*
	11:45	*	19
	11:50	24	*
	11:55	24	*
	12:00	23	*
	12:05	23	*
	12:10	23	*
	12:15	23	*
	12:20	*	*
	12:25	*	20
	12:30	26	20
	12:35	23	*
	12:40	23	*
	12:45	23	*
	12:50	23	*
	12:55	23	*
	13:00	*	*
	13:05	*	*
	13:10	29	*
	13:15	23	*
	13:20	23	*
	13:25	23	*
	13:30	23	*
	13:35	23	*
	13:40	*	21
	13:45	*	21
	13:50	27	*
	13:55	23	*
	14:00	23	*
	14:05	23	*
	14:10	23	*
	14:15	23	*
	14:20	*	19
	14:25	*	20
	14:30	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:35	31	*
	14:40	23	*
	14:45	23	*
	14:50	23	*
	14:55	23	*
	15:00	*	*
	15:05	*	19
	15:10	28	20
	15:15	23	19
	15:20	23	*
	15:25	*	*
	15:30	24	*
	15:35	24	*
	15:40	23	*
	15:45	*	19
	15:50	*	21
	15:55	31	*
	16:00	23	*
	16:05	23	*
	16:10	23	*
	16:15	23	*
	16:20	23	*
	16:25	*	20
	16:30	*	19
	16:35	28	*
	16:40	23	*
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	23	*
	17:05	*	20
	17:10	23	*
	17:15	25	*
	17:20	23	*
	17:25	23	*
	17:30	23	*
	17:35	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:40	*	19
	17:45	*	20
	17:50	27	*
	17:55	24	*
	18:00	*	*
	18:05	27	*
	18:10	23	*
	18:15	23	*
	18:20	23	*
	18:25	*	25
	18:30	*	20
	18:35	*	*
	18:40	27	*
	18:45	23	*
	18:50	23	*
	18:55	23	*
	19:00	23	*
	19:05	23	*
	19:10	*	20
	19:15	24	*
	19:20	25	*
	19:25	23	*
	19:30	23	*
	19:35	23	*
	19:40	23	*
	19:45	*	19
	19:50	*	20
	19:55	23	*
	20:00	24	*
	20:05	23	*
	20:10	23	*
	20:15	*	*
	20:20	*	20
	20:25	*	19
	20:30	*	*
	20:35	440	19
	20:40	*	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:45	28	*
	20:50	26	*
	20:55	23	*
	21:00	23	*
	21:05	23	*
	21:10	23	*
	21:15	*	19
	21:20	*	20
	21:25	24	*
	21:30	24	*
	21:35	23	*
	21:40	23	*
	21:45	23	*
	21:50	23	*
	21:55	*	20
	22:00	*	20
	22:05	27	*
	22:10	23	*
	22:15	23	*
	22:20	23	*
	22:25	23	*
	22:30	23	*
	22:35	*	20
	22:40	*	19
	22:45	28	*
	22:50	*	*
	22:55	27	*
	23:00	23	*
	23:05	23	*
	23:10	23	*
	23:15	*	19
	23:20	*	23
	23:25	24	*
	23:30	24	*
	23:35	23	*
	23:40	23	*
	23:45	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:50	23	*
	23:55	*	19
2/5/2014	0:00	*	20
	0:05	30	*
	0:10	23	*
	0:15	23	*
	0:20	23	*
	0:25	23	*
	0:30	23	19
	0:35	*	20
	0:40	*	*
	0:45	28	*
	0:50	23	*
	0:55	23	*
	1:00	23	*
	1:05	23	*
	1:10	*	*
	1:15	*	19
	1:20	23	*
	1:25	25	*
	1:30	23	*
	1:35	23	*
	1:40	23	*
	1:45	23	*
	1:50	*	*
	1:55	*	22
	2:00	31	*
	2:05	24	*
	2:10	23	*
	2:15	23	*
	2:20	23	*
	2:25	23	*
	2:30	*	19
	2:35	*	21
	2:40	32	*
	2:45	23	*
	2:50	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:55	23	*
	3:00	23	*
	3:05	23	*
	3:10	*	21
	3:15	24	19
	3:20	26	*
	3:25	23	*
	3:30	23	*
	3:35	23	*
	3:40	23	*
	3:45	*	*
	3:50	*	19
	3:55	24	*
	4:00	24	*
	4:05	*	*
	4:10	25	*
	4:15	23	*
	4:20	23	*
	4:25	23	*
	4:30	*	23
	4:35	*	*
	4:40	27	*
	4:45	23	*
	4:50	23	*
	4:55	23	*
	5:00	23	*
	5:05	*	*
	5:10	*	21
	5:15	24	*
	5:20	25	*
	5:25	23	*
	5:30	23	*
	5:35	23	*
	5:40	23	*
	5:45	*	*
	5:50	*	21
	5:55	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:00	24	*
	6:05	23	*
	6:10	23	*
	6:15	23	*
	6:20	23	*
	6:25	*	19
	6:30	*	20
	6:35	28	*
	6:40	24	*
	6:45	23	*
	6:50	23	*
	6:55	23	*
	7:00	23	*
	7:05	*	*
	7:10	*	*
	7:15	27	*
	7:20	23	*
	7:25	23	*
	7:30	23	*
	7:35	23	*
	7:40	*	*
	7:45	*	21
	7:50	24	*
	7:55	25	*
	8:00	23	*
	8:05	23	*
	8:10	23	*
	8:15	23	*
	8:20	*	*
	8:25	*	19
	8:30	27	20
	8:35	24	*
	8:40	23	*
	8:45	23	*
	8:50	23	*
	8:55	23	*
	9:00	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:05	*	21
	9:10	31	*
	9:15	24	*
	9:20	*	*
	9:25	24	*
	9:30	23	*
	9:35	23	*
	9:40	*	21
	9:45	*	21
	9:50	*	*
	9:55	28	*
	10:00	24	*
	10:05	23	*
	10:10	23	*
	10:15	23	*
	10:20	23	*
	10:25	*	20
	10:30	*	20
	10:35	29	*
	10:40	23	*
	10:45	23	*
	10:50	23	*
	10:55	23	*
	11:00	23	*
	11:05	*	*
	11:10	24	*
	11:15	26	*
	11:20	23	*
	11:25	23	*
	11:30	23	*
	11:35	23	*
	11:40	*	22
	11:45	*	20
	11:50	25	*
	11:55	*	*
	12:00	*	*
	12:05	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:10	*	22
	12:15	*	19
	12:20	*	19
	12:25	*	19
	12:30	*	19
	12:35	*	*
	12:40	*	19
	12:45	*	23
	12:50	*	20
	12:55	*	19
	13:00	*	19
	13:05	*	19
	13:10	*	*
	13:15	*	*
	13:20	*	19
	13:25	*	*
	13:30	*	*
	13:35	*	24
	13:40	*	44
	13:45	*	20
	13:50	*	19
	13:55	*	19
	14:00	*	19
	14:05	*	19
	14:10	*	*
	14:15	*	19
	14:20	24	*
	14:25	24	*
	14:30	23	*
	14:35	23	*
	14:40	23	*
	14:45	23	*
	14:50	*	24
	14:55	23	*
	15:00	31	19
	15:05	*	*
	15:10	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:15	23	*
	15:20	23	*
	15:25	23	*
	15:30	23	*
	15:35	*	*
	15:40	23	*
	15:45	25	*
	15:50	23	*
	15:55	23	*
	16:00	23	*
	16:05	23	*
	16:10	*	*
	16:15	*	54
	16:20	27	*
	16:25	25	*
	16:30	23	*
	16:35	23	*
	16:40	23	*
	16:45	23	*
	16:50	*	22
	16:55	*	*
	17:00	32	*
	17:05	24	*
	17:10	23	*
	17:15	23	*
	17:20	23	*
	17:25	23	*
	17:30	*	*
	17:35	24	*
	17:40	26	*
	17:45	23	*
	17:50	23	*
	17:55	23	*
	18:00	23	*
	18:05	*	*
	18:10	*	*
	18:15	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:20	25	*
	18:25	23	*
	18:30	23	*
	18:35	23	*
	18:40	23	*
	18:45	*	21
	18:50	*	20
	18:55	*	*
	19:00	34	*
	19:05	23	*
	19:10	23	*
	19:15	23	*
	19:20	23	*
	19:25	23	*
	19:30	*	21
	19:35	24	*
	19:40	25	*
	19:45	23	*
	19:50	23	*
	19:55	23	*
	20:00	23	*
	20:05	*	19
	20:10	*	20
	20:15	26	*
	20:20	24	*
	20:25	23	*
	20:30	23	*
	20:35	23	*
	20:40	23	*
	20:45	*	19
	20:50	*	20
	20:55	30	*
	21:00	24	19
	21:05	23	*
	21:10	23	*
	21:15	23	*
	21:20	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:25	*	20
	21:30	*	20
	21:35	*	*
	21:40	27	*
	21:45	23	*
	21:50	23	*
	21:55	23	*
	22:00	23	*
	22:05	*	21
	22:10	*	20
	22:15	28	*
	22:20	24	*
	22:25	23	*
	22:30	23	*
	22:35	23	*
	22:40	23	*
	22:45	*	20
	22:50	*	20
	22:55	30	*
	23:00	24	*
	23:05	23	*
	23:10	23	*
	23:15	23	*
	23:20	23	*
	23:25	*	21
	23:30	*	*
	23:35	27	*
	23:40	*	*
	23:45	24	*
	23:50	24	*
	23:55	23	*
2/6/2014	0:00	23	*
	0:05	23	*
	0:10	*	26
	0:15	24	*
	0:20	26	*
	0:25	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:30	23	*
	0:35	23	*
	0:40	23	*
	0:45	*	*
	0:50	*	21
	0:55	24	*
	1:00	24	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	23	*
	1:25	*	19
	1:30	*	20
	1:35	29	*
	1:40	24	*
	1:45	23	*
	1:50	23	*
	1:55	23	*
	2:00	23	*
	2:05	*	19
	2:10	*	*
	2:15	28	*
	2:20	23	*
	2:25	23	*
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	*	*
	2:50	24	*
	2:55	25	*
	3:00	23	*
	3:05	23	*
	3:10	23	*
	3:15	23	*
	3:20	*	*
	3:25	*	21
	3:30	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:35	24	*
	3:40	23	*
	3:45	23	*
	3:50	23	*
	3:55	23	*
	4:00	*	19
	4:05	*	20
	4:10	29	*
	4:15	24	*
	4:20	23	*
	4:25	23	*
	4:30	23	*
	4:35	23	*
	4:40	*	20
	4:45	*	*
	4:50	27	*
	4:55	23	*
	5:00	23	*
	5:05	23	*
	5:10	23	*
	5:15	*	*
	5:20	*	20
	5:25	24	*
	5:30	24	*
	5:35	23	*
	5:40	23	*
	5:45	23	*
	5:50	23	*
	5:55	*	*
	6:00	*	*
	6:05	28	*
	6:10	24	*
	6:15	23	*
	6:20	23	*
	6:25	23	*
	6:30	23	*
	6:35	*	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:40	*	20
	6:45	*	*
	6:50	*	22
	6:55	*	19
	7:00	230	*
	7:05	*	*
	7:10	*	20
	7:15	*	20
	7:20	*	20
	7:25	35	*
	7:30	24	*
	7:35	23	*
	7:40	23	*
	7:45	23	*
	7:50	23	*
	7:55	*	19
	8:00	*	20
	8:05	27	*
	8:10	23	*
	8:15	23	*
	8:20	23	*
	8:25	23	*
	8:30	23	*
	8:35	*	20
	8:40	*	20
	8:45	27	*
	8:50	23	*
	8:55	23	*
	9:00	23	*
	9:05	23	*
	9:10	*	*
	9:15	*	21
	9:20	24	19
	9:25	25	*
	9:30	23	*
	9:35	23	*
	9:40	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:45	23	*
	9:50	*	*
	9:55	*	21
	10:00	27	*
	10:05	24	*
	10:10	*	*
	10:15	25	*
	10:20	23	*
	10:25	23	*
	10:30	23	*
	10:35	*	*
	10:40	*	*
	10:45	30	*
	10:50	24	*
	10:55	23	*
	11:00	23	*
	11:05	23	*
	11:10	23	*
	11:15	*	21
	11:20	*	20
	11:25	27	*
	11:30	23	*
	11:35	23	*
	11:40	23	*
	11:45	23	*
	11:50	23	*
	11:55	*	19
	12:00	24	20
	12:05	25	*
	12:10	23	*
	12:15	23	*
	12:20	23	*
	12:25	23	*
	12:30	*	*
	12:35	*	21
	12:40	25	*
	12:45	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:50	*	*
	12:55	25	*
	13:00	23	*
	13:05	23	*
	13:10	23	*
	13:15	*	*
	13:20	*	24
	13:25	27	20
	13:30	23	*
	13:35	23	*
	13:40	23	*
	13:45	23	*
	13:50	23	*
	13:55	*	*
	14:00	24	21
	14:05	*	*
	14:10	26	*
	14:15	24	*
	14:20	23	*
	14:25	23	*
	14:30	23	*
	14:35	*	19
	14:40	*	20
	14:45	29	19
	14:50	*	*
	14:55	*	*
	15:00	23	19
	15:05	*	*
	15:10	25	*
	15:15	23	*
	15:20	23	*
	15:25	*	*
	15:30	*	*
	15:35	29	*
	15:40	23	21
	15:45	23	*
	15:50	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:55	23	*
	16:00	23	*
	16:05	*	22
	16:10	23	18
	16:15	25	*
	16:20	23	*
	16:25	23	*
	16:30	23	*
	16:35	23	*
	16:40	*	17
	16:45	*	18
	16:50	*	*
	16:55	27	*
	17:00	*	*
	17:05	25	*
	17:10	23	*
	17:15	23	*
	17:20	23	*
	17:25	23	*
	17:30	*	22
	17:35	24	17
	17:40	*	*
	17:45	27	*
	17:50	23	*
	17:55	23	*
	18:00	23	*
	18:05	23	*
	18:10	*	*
	18:15	*	19
	18:20	32	*
	18:25	24	*
	18:30	23	*
	18:35	23	*
	18:40	23	*
	18:45	23	*
	18:50	*	19
	18:55	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:00	26	*
	19:05	*	*
	19:10	23	*
	19:15	24	*
	19:20	23	*
	19:25	23	*
	19:30	23	*
	19:35	*	22
	19:40	24	17
	19:45	25	*
	19:50	23	*
	19:55	23	*
	20:00	23	*
	20:05	23	*
	20:10	*	17
	20:15	*	18
	20:20	*	*
	20:25	29	*
	20:30	24	*
	20:35	23	*
	20:40	23	*
	20:45	23	*
	20:50	23	*
	20:55	*	18
	21:00	*	18
	21:05	28	*
	21:10	23	*
	21:15	23	*
	21:20	23	*
	21:25	23	*
	21:30	23	17
	21:35	*	18
	21:40	24	*
	21:45	24	*
	21:50	*	*
	21:55	24	*
	22:00	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:05	23	*
	22:10	23	*
	22:15	*	18
	22:20	*	18
	22:25	26	*
	22:30	23	*
	22:35	23	*
	22:40	23	*
	22:45	23	*
	22:50	23	*
	22:55	*	19
	23:00	*	17
	23:05	*	*
	23:10	*	18
	23:15	*	17
	23:20	*	*
	23:25	*	*
	23:30	*	20
	23:35	*	18
	23:40	*	17
	23:45	*	17
	23:50	*	17
	23:55	*	17
2/7/2014	0:00	*	*
	0:05	*	17
	0:10	*	18
	0:15	*	17
	0:20	*	*
	0:25	34	*
	0:30	24	*
	0:35	23	*
	0:40	23	*
	0:45	23	*
	0:50	23	*
	0:55	*	19
	1:00	*	18
	1:05	31	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:10	24	*
	1:15	23	*
	1:20	23	*
	1:25	23	*
	1:30	23	*
	1:35	*	18
	1:40	24	*
	1:45	25	*
	1:50	*	*
	1:55	25	*
	2:00	23	*
	2:05	23	*
	2:10	23	*
	2:15	*	18
	2:20	*	18
	2:25	29	*
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	23	*
	2:50	23	*
	2:55	*	19
	3:00	*	*
	3:05	27	*
	3:10	23	*
	3:15	23	*
	3:20	23	*
	3:25	23	*
	3:30	23	*
	3:35	*	18
	3:40	23	*
	3:45	24	*
	3:50	23	*
	3:55	23	*
	4:00	23	*
	4:05	23	*
	4:10	*	17

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:15	*	18
	4:20	26	*
	4:25	*	*
	4:30	*	*
	4:35	25	*
	4:40	23	*
	4:45	23	*
	4:50	23	*
	4:55	*	*
	5:00	*	20
	5:05	28	*
	5:10	23	*
	5:15	23	*
	5:20	23	*
	5:25	23	*
	5:30	23	*
	5:35	*	18
	5:40	*	*
	5:45	27	*
	5:50	23	*
	5:55	23	*
	6:00	23	*
	6:05	23	*
	6:10	23	*
	6:15	*	19
	6:20	24	*
	6:25	24	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	23	*
	6:50	*	18
	6:55	*	18
	7:00	25	*
	7:05	24	*
	7:10	23	*
	7:15	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:20	23	*
	7:25	23	*
	7:30	23	*
	7:35	*	20
	7:40	24	*
	7:45	25	*
	7:50	23	*
	7:55	23	*
	8:00	23	*
	8:05	23	*
	8:10	*	*
	8:15	*	18
	8:20	24	*
	8:25	24	*
	8:30	23	*
	8:35	23	*
	8:40	23	*
	8:45	23	*
	8:50	*	17
	8:55	*	18
	9:00	27	*
	9:05	23	*
	9:10	*	*
	9:15	*	18
	9:20	24	*
	9:25	24	*
	9:30	23	*
	9:35	23	*
	9:40	23	*
	9:45	23	*
	9:50	*	19
	9:55	*	*
	10:00	26	*
	10:05	*	*
	10:10	24	*
	10:15	23	*
	10:20	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:25	23	*
	10:30	*	*
	10:35	*	20
	10:40	24	*
	10:45	24	*
	10:50	23	*
	10:55	23	*
	11:00	23	*
	11:05	23	*
	11:10	*	17
	11:15	*	18
	11:20	27	*
	11:25	23	*
	11:30	23	*
	11:35	23	*
	11:40	23	*
	11:45	23	*
	11:50	*	18
	11:55	*	18
	12:00	26	*
	12:05	23	*
	12:10	23	*
	12:15	23	*
	12:20	23	*
	12:25	*	*
	12:30	*	18
	12:35	23	*
	12:40	24	*
	12:45	*	*
	12:50	25	*
	12:55	23	*
	13:00	23	*
	13:05	23	*
	13:10	*	18
	13:15	*	19
	13:20	27	*
	13:25	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:30	23	*
	13:35	23	*
	13:40	23	*
	13:45	23	*
	13:50	*	*
	13:55	24	*
	14:00	25	*
	14:05	23	*
	14:10	23	*
	14:15	23	18
	14:20	23	17
	14:25	*	17
	14:30	*	17
	14:35	*	*
	14:40	25	*
	14:45	24	*
	14:50	*	*
	14:55	25	21
	15:00	*	*
	15:05	24	19
	15:10	23	18
	15:15	*	*
	15:20	*	*
	15:25	26	*
	15:30	23	*
	15:35	23	*
	15:40	23	*
	15:45	23	*
	15:50	23	*
	15:55	*	19
	16:00	26	*
	16:05	23	*
	16:10	23	*
	16:15	23	*
	16:20	23	*
	16:25	23	*
	16:30	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:35	*	18
	16:40	26	*
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	23	*
	17:05	23	*
	17:10	*	18
	17:15	24	*
	17:20	24	*
	17:25	*	19
	17:30	*	18
	17:35	24	*
	17:40	414	*
	17:45	*	18
	17:50	*	18
	17:55	*	17
	18:00	*	17
	18:05	283	*
	18:10	*	*
	18:15	*	20
	18:20	*	18
	18:25	37	*
	18:30	24	*
	18:35	23	*
	18:40	23	*
	18:45	23	*
	18:50	23	*
	18:55	*	18
	19:00	24	*
	19:05	25	*
	19:10	23	*
	19:15	23	*
	19:20	23	*
	19:25	23	*
	19:30	*	17
	19:35	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:40	24	*
	19:45	24	*
	19:50	23	*
	19:55	23	*
	20:00	23	*
	20:05	23	*
	20:10	*	18
	20:15	*	18
	20:20	27	*
	20:25	23	*
	20:30	23	*
	20:35	24	*
	20:40	23	*
	20:45	23	*
	20:50	*	18
	20:55	*	19
	21:00	23	*
	21:05	24	*
	21:10	23	*
	21:15	23	*
	21:20	23	*
	21:25	23	*
	21:30	*	18
	21:35	*	18
	21:40	27	*
	21:45	23	*
	21:50	23	*
	21:55	23	*
	22:00	23	*
	22:05	23	*
	22:10	*	19
	22:15	*	18
	22:20	27	*
	22:25	23	*
	22:30	23	*
	22:35	23	*
	22:40	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:45	23	*
	22:50	*	19
	22:55	24	*
	23:00	25	*
	23:05	23	*
	23:10	23	*
	23:15	23	*
	23:20	23	*
	23:25	*	*
	23:30	*	18
	23:35	24	*
	23:40	24	*
	23:45	23	*
	23:50	23	*
	23:55	23	*
2/8/2014	0:00	23	*
	0:05	*	*
	0:10	*	20
	0:15	29	*
	0:20	23	*
	0:25	23	*
	0:30	23	*
	0:35	23	*
	0:40	23	*
	0:45	*	18
	0:50	*	18
	0:55	28	*
	1:00	23	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	23	*
	1:25	*	19
	1:30	24	*
	1:35	24	*
	1:40	23	*
	1:45	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:50	23	*
	1:55	23	*
	2:00	*	*
	2:05	*	19
	2:10	25	*
	2:15	24	*
	2:20	23	*
	2:25	23	*
	2:30	*	*
	2:35	24	*
	2:40	24	*
	2:45	*	20
	2:50	24	*
	2:55	25	*
	3:00	23	*
	3:05	23	*
	3:10	23	*
	3:15	23	*
	3:20	*	*
	3:25	*	18
	3:30	24	*
	3:35	24	*
	3:40	23	*
	3:45	23	*
	3:50	23	*
	3:55	23	*
	4:00	*	18
	4:05	*	18
	4:10	28	*
	4:15	23	*
	4:20	23	*
	4:25	23	*
	4:30	23	*
	4:35	23	*
	4:40	*	18
	4:45	*	*
	4:50	27	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:55	*	*
	5:00	24	*
	5:05	23	*
	5:10	23	*
	5:15	23	*
	5:20	*	*
	5:25	*	20
	5:30	23	*
	5:35	24	*
	5:40	23	*
	5:45	23	*
	5:50	23	*
	5:55	23	*
	6:00	*	18
	6:05	*	18
	6:10	27	*
	6:15	24	*
	6:20	23	*
	6:25	23	*
	6:30	23	*
	6:35	23	*
	6:40	*	18
	6:45	*	18
	6:50	27	*
	6:55	23	*
	7:00	23	*
	7:05	23	*
	7:10	23	*
	7:15	23	*
	7:20	*	19
	7:25	24	*
	7:30	25	*
	7:35	*	*
	7:40	25	*
	7:45	23	*
	7:50	23	*
	7:55	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:00	*	18
	8:05	*	20
	8:10	27	*
	8:15	23	*
	8:20	23	*
	8:25	23	*
	8:30	23	*
	8:35	23	*
	8:40	*	*
	8:45	*	*
	8:50	26	*
	8:55	23	*
	9:00	23	*
	9:05	23	*
	9:10	23	*
	9:15	23	*
	9:20	*	19
	9:25	23	17
	9:30	24	*
	9:35	*	17
	9:40	*	18
	9:45	*	*
	9:50	*	18
	9:55	*	19
	10:00	*	17
	10:05	*	17
	10:10	*	17
	10:15	*	17
	10:20	*	*
	10:25	*	*
	10:30	*	20
	10:35	*	18
	10:40	*	17
	10:45	*	17
	10:50	*	*
	10:55	*	18
	11:00	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:05	*	*
	11:10	33	*
	11:15	*	*
	11:20	25	*
	11:25	23	*
	11:30	23	*
	11:35	23	*
	11:40	23	20
	11:45	*	19
	11:50	24	17
	11:55	37	18
	12:00	*	*
	12:05	24	18
	12:10	*	*
	12:15	25	18
	12:20	23	18
	12:25	24	*
	12:30	*	*
	12:35	24	*
	12:40	*	*
	12:45	*	22
	12:50	*	*
	12:55	26	*
	13:00	24	*
	13:05	23	*
	13:10	23	*
	13:15	23	*
	13:20	23	*
	13:25	*	*
	13:30	*	19
	13:35	26	*
	13:40	23	*
	13:45	23	*
	13:50	23	*
	13:55	23	*
	14:00	23	*
	14:05	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:10	23	18
	14:15	24	*
	14:20	23	*
	14:25	23	*
	14:30	23	*
	14:35	23	*
	14:40	*	*
	14:45	*	18
	14:50	23	*
	14:55	24	*
	15:00	23	19
	15:05	23	*
	15:10	24	*
	15:15	23	*
	15:20	23	*
	15:25	*	*
	15:30	*	*
	15:35	27	*
	15:40	23	*
	15:45	23	*
	15:50	23	*
	15:55	23	*
	16:00	23	19
	16:05	*	18
	16:10	23	*
	16:15	24	*
	16:20	23	*
	16:25	23	*
	16:30	23	*
	16:35	23	*
	16:40	*	17
	16:45	*	18
	16:50	26	*
	16:55	23	*
	17:00	23	*
	17:05	23	*
	17:10	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:15	23	*
	17:20	*	19
	17:25	*	*
	17:30	25	*
	17:35	23	*
	17:40	23	*
	17:45	23	*
	17:50	23	*
	17:55	*	17
	18:00	*	19
	18:05	23	*
	18:10	24	*
	18:15	23	*
	18:20	23	*
	18:25	23	*
	18:30	23	*
	18:35	*	18
	18:40	*	18
	18:45	26	*
	18:50	23	*
	18:55	23	*
	19:00	23	*
	19:05	23	*
	19:10	23	*
	19:15	*	17
	19:20	*	19
	19:25	30	*
	19:30	23	*
	19:35	23	*
	19:40	23	*
	19:45	23	*
	19:50	23	*
	19:55	*	19
	20:00	24	*
	20:05	25	*
	20:10	23	*
	20:15	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:20	23	*
	20:25	23	*
	20:30	*	18
	20:35	*	20
	20:40	23	*
	20:45	24	*
	20:50	23	*
	20:55	23	*
	21:00	23	*
	21:05	23	*
	21:10	*	17
	21:15	*	18
	21:20	27	*
	21:25	23	*
	21:30	23	*
	21:35	23	*
	21:40	23	*
	21:45	23	*
	21:50	*	17
	21:55	*	18
	22:00	27	*
	22:05	23	*
	22:10	23	*
	22:15	23	*
	22:20	23	*
	22:25	23	*
	22:30	*	19
	22:35	24	*
	22:40	24	*
	22:45	*	*
	22:50	24	*
	22:55	23	*
	23:00	23	*
	23:05	23	*
	23:10	*	18
	23:15	*	18
	23:20	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:25	23	*
	23:30	23	*
	23:35	23	*
	23:40	23	*
	23:45	23	*
	23:50	*	19
	23:55	*	17
2/9/2014	0:00	*	17
	0:05	*	17
	0:10	*	*
	0:15	24	*
	0:20	24	*
	0:25	23	*
	0:30	23	*
	0:35	23	*
	0:40	23	*
	0:45	*	*
	0:50	*	20
	0:55	24	*
	1:00	24	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	23	*
	1:25	*	17
	1:30	*	18
	1:35	27	*
	1:40	23	*
	1:45	23	*
	1:50	23	*
	1:55	23	*
	2:00	23	*
	2:05	*	17
	2:10	*	*
	2:15	27	*
	2:20	23	*
	2:25	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	*	19
	2:50	24	*
	2:55	24	*
	3:00	23	*
	3:05	23	*
	3:10	23	*
	3:15	23	*
	3:20	*	*
	3:25	*	21
	3:30	25	*
	3:35	24	*
	3:40	23	*
	3:45	23	*
	3:50	23	*
	3:55	23	*
	4:00	*	18
	4:05	*	18
	4:10	28	*
	4:15	*	*
	4:20	*	18
	4:25	24	*
	4:30	*	18
	4:35	606	*
	4:40	*	18
	4:45	31	*
	4:50	29	*
	4:55	*	*
	5:00	24	*
	5:05	23	*
	5:10	23	*
	5:15	23	*
	5:20	*	*
	5:25	*	23
	5:30	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:35	24	*
	5:40	23	*
	5:45	23	*
	5:50	23	*
	5:55	23	*
	6:00	*	18
	6:05	*	18
	6:10	26	*
	6:15	23	*
	6:20	23	*
	6:25	23	*
	6:30	23	*
	6:35	23	*
	6:40	*	19
	6:45	*	*
	6:50	26	*
	6:55	23	*
	7:00	23	*
	7:05	23	*
	7:10	23	*
	7:15	23	*
	7:20	*	18
	7:25	23	*
	7:30	24	*
	7:35	23	*
	7:40	23	*
	7:45	23	*
	7:50	23	*
	7:55	*	17
	8:00	*	19
	8:05	28	*
	8:10	23	*
	8:15	23	*
	8:20	23	*
	8:25	23	*
	8:30	23	*
	8:35	*	17

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:40	*	18
	8:45	31	*
	8:50	23	*
	8:55	23	*
	9:00	23	*
	9:05	23	*
	9:10	23	*
	9:15	*	*
	9:20	24	19
	9:25	25	*
	9:30	23	*
	9:35	23	*
	9:40	23	*
	9:45	23	*
	9:50	*	*
	9:55	*	19
	10:00	23	*
	10:05	24	*
	10:10	23	*
	10:15	23	*
	10:20	23	*
	10:25	23	*
	10:30	*	*
	10:35	*	19
	10:40	28	*
	10:45	23	*
	10:50	23	*
	10:55	23	*
	11:00	23	*
	11:05	23	*
	11:10	*	*
	11:15	*	20
	11:20	27	*
	11:25	23	*
	11:30	23	*
	11:35	23	*
	11:40	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:45	23	*
	11:50	*	19
	11:55	24	*
	12:00	24	*
	12:05	23	*
	12:10	23	*
	12:15	23	*
	12:20	23	*
	12:25	*	*
	12:30	*	18
	12:35	24	17
	12:40	24	17
	12:45	*	*
	12:50	24	*
	12:55	23	*
	13:00	23	*
	13:05	23	*
	13:10	*	*
	13:15	*	18
	13:20	28	*
	13:25	23	*
	13:30	*	*
	13:35	*	*
	13:40	26	*
	13:45	23	*
	13:50	23	*
	13:55	*	*
	14:00	*	*
	14:05	24	*
	14:10	23	19
	14:15	23	*
	14:20	23	*
	14:25	23	*
	14:30	23	18
	14:35	*	18
	14:40	*	17
	14:45	27	17

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:50	23	*
	14:55	23	*
	15:00	23	*
	15:05	23	*
	15:10	23	*
	15:15	*	17
	15:20	*	*
	15:25	26	*
	15:30	*	*
	15:35	24	*
	15:40	23	*
	15:45	23	*
	15:50	23	*
	15:55	*	18
	16:00	*	19
	16:05	26	*
	16:10	23	*
	16:15	23	*
	16:20	23	*
	16:25	23	*
	16:30	23	*
	16:35	*	18
	16:40	*	18
	16:45	27	*
	16:50	23	*
	16:55	23	*
	17:00	23	*
	17:05	23	*
	17:10	23	*
	17:15	*	18
	17:20	24	*
	17:25	25	*
	17:30	23	*
	17:35	23	*
	17:40	23	*
	17:45	23	*
	17:50	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:55	*	19
	18:00	25	*
	18:05	24	*
	18:10	*	*
	18:15	24	*
	18:20	23	*
	18:25	23	*
	18:30	23	*
	18:35	*	17
	18:40	*	20
	18:45	29	*
	18:50	23	*
	18:55	23	*
	19:00	23	*
	19:05	23	*
	19:10	23	*
	19:15	*	18
	19:20	24	17
	19:25	25	*
	19:30	23	*
	19:35	23	*
	19:40	23	*
	19:45	23	*
	19:50	*	17
	19:55	*	18
	20:00	24	*
	20:05	24	*
	20:10	23	*
	20:15	23	*
	20:20	23	*
	20:25	23	*
	20:30	*	*
	20:35	*	19
	20:40	29	*
	20:45	*	*
	20:50	24	*
	20:55	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:00	23	*
	21:05	23	*
	21:10	23	18
	21:15	*	21
	21:20	*	*
	21:25	26	*
	21:30	23	*
	21:35	23	*
	21:40	23	*
	21:45	23	*
	21:50	*	*
	21:55	*	19
	22:00	24	*
	22:05	24	*
	22:10	23	*
	22:15	23	*
	22:20	23	*
	22:25	23	*
	22:30	*	18
	22:35	*	18
	22:40	30	*
	22:45	24	*
	22:50	23	*
	22:55	23	*
	23:00	23	*
	23:05	23	*
	23:10	*	18
	23:15	*	18
	23:20	28	*
	23:25	*	*
	23:30	*	18
	23:35	*	19
	23:40	*	17
	23:45	*	17
	23:50	*	17
	23:55	*	17
2/10/2014	0:00	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:05	*	*
	0:10	*	21
	0:15	*	18
	0:20	*	17
	0:25	*	17
	0:30	*	17
	0:35	*	17
	0:40	*	*
	0:45	25	*
	0:50	24	*
	0:55	23	*
	1:00	23	*
	1:05	23	*
	1:10	23	*
	1:15	*	18
	1:20	*	18
	1:25	25	*
	1:30	24	*
	1:35	23	*
	1:40	23	*
	1:45	23	*
	1:50	23	*
	1:55	*	17
	2:00	*	18
	2:05	30	*
	2:10	23	*
	2:15	23	*
	2:20	23	*
	2:25	23	*
	2:30	23	*
	2:35	*	18
	2:40	*	29
	2:45	*	*
	2:50	28	*
	2:55	23	*
	3:00	23	*
	3:05	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:10	23	*
	3:15	23	*
	3:20	*	*
	3:25	24	*
	3:30	24	*
	3:35	23	*
	3:40	23	*
	3:45	23	*
	3:50	23	*
	3:55	*	*
	4:00	*	*
	4:05	25	*
	4:10	24	*
	4:15	23	*
	4:20	23	*
	4:25	23	*
	4:30	23	*
	4:35	*	18
	4:40	*	18
	4:45	29	*
	4:50	23	*
	4:55	23	*
	5:00	23	*
	5:05	23	*
	5:10	23	*
	5:15	*	*
	5:20	24	*
	5:25	27	*
	5:30	23	*
	5:35	23	*
	5:40	23	*
	5:45	23	*
	5:50	*	18
	5:55	*	19
	6:00	24	*
	6:05	24	*
	6:10	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:15	23	*
	6:20	23	*
	6:25	23	*
	6:30	*	*
	6:35	*	19
	6:40	26	*
	6:45	24	*
	6:50	23	*
	6:55	23	*
	7:00	23	*
	7:05	23	*
	7:10	*	18
	7:15	*	18
	7:20	27	*
	7:25	23	*
	7:30	23	*
	7:35	23	*
	7:40	23	*
	7:45	23	*
	7:50	*	21
	7:55	24	*
	8:00	25	*
	8:05	23	*
	8:10	23	*
	8:15	23	*
	8:20	23	*
	8:25	*	*
	8:30	*	19
	8:35	24	18
	8:40	24	*
	8:45	23	*
	8:50	23	*
	8:55	23	*
	9:00	23	*
	9:05	*	17
	9:10	*	19
	9:15	27	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:20	24	*
	9:25	23	*
	9:30	23	*
	9:35	23	*
	9:40	23	*
	9:45	*	19
	9:50	*	18
	9:55	28	*
	10:00	*	*
	10:05	23	*
	10:10	24	*
	10:15	23	*
	10:20	23	*
	10:25	23	*
	10:30	*	18
	10:35	24	19
	10:40	24	17
	10:45	24	18
	10:50	*	*
	10:55	24	18
	11:00	23	*
	11:05	23	*
	11:10	23	*
	11:15	*	18
	11:20	*	18
	11:25	*	*
	11:30	26	*
	11:35	23	*
	11:40	23	*
	11:45	23	*
	11:50	23	*
	11:55	*	18
	12:00	*	19
	12:05	27	*
	12:10	24	*
	12:15	23	*
	12:20	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:25	23	*
	12:30	23	*
	12:35	23	*
	12:40	*	20
	12:45	24	18
	12:50	25	*
	12:55	23	*
	13:00	23	*
	13:05	23	*
	13:10	23	*
	13:15	*	*
	13:20	*	*
	13:25	24	19
	13:30	24	17
	13:35	24	*
	13:40	24	*
	13:45	23	*
	13:50	23	*
	13:55	23	*
	14:00	*	*
	14:05	*	*
	14:10	27	*
	14:15	*	*
	14:20	*	17
	14:25	84	18
	14:30	341	*
	14:35	234	*
	14:40	28	*
	14:45	23	*
	14:50	*	19
	14:55	*	18
	15:00	28	*
	15:05	24	*
	15:10	23	*
	15:15	23	*
	15:20	23	*
	15:25	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:30	*	*
	15:35	*	19
	15:40	29	*
	15:45	23	*
	15:50	23	*
	15:55	23	*
	16:00	23	*
	16:05	23	*
	16:10	*	19
	16:15	24	18
	16:20	*	*
	16:25	24	*
	16:30	23	*
	16:35	23	*
	16:40	23	*
	16:45	23	*
	16:50	*	*
	16:55	*	17
	17:00	27	*
	17:05	23	*
	17:10	23	*
	17:15	23	*
	17:20	23	*
	17:25	23	*
	17:30	*	21
	17:35	24	*
	17:40	25	*
	17:45	23	*
	17:50	23	*
	17:55	23	*
	18:00	23	*
	18:05	*	18
	18:10	*	19
	18:15	24	*
	18:20	24	*
	18:25	23	*
	18:30	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:35	23	*
	18:40	23	*
	18:45	*	18
	18:50	*	18
	18:55	27	*
	19:00	24	*
	19:05	23	*
	19:10	23	*
	19:15	23	*
	19:20	23	*
	19:25	*	19
	19:30	*	18
	19:35	27	*
	19:40	*	*
	19:45	24	*
	19:50	23	*
	19:55	23	*
	20:00	23	*
	20:05	*	18
	20:10	*	20
	20:15	24	*
	20:20	24	*
	20:25	23	*
	20:30	23	*
	20:35	23	*
	20:40	23	*
	20:45	*	18
	20:50	*	18
	20:55	*	*
	21:00	28	*
	21:05	23	*
	21:10	23	*
	21:15	23	*
	21:20	23	*
	21:25	23	*
	21:30	*	19
	21:35	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:40	25	*
	21:45	23	*
	21:50	23	*
	21:55	23	*
	22:00	23	*
	22:05	*	*
	22:10	*	19
	22:15	24	*
	22:20	24	*
	22:25	*	*
	22:30	24	*
	22:35	23	*
	22:40	23	*
	22:45	23	*
	22:50	*	21
	22:55	*	*
	23:00	26	*
	23:05	23	*
	23:10	23	*
	23:15	23	*
	23:20	23	*
	23:25	*	18
	23:30	*	19
	23:35	24	*
	23:40	24	*
	23:45	23	*
	23:50	23	*
	23:55	23	*
2/11/2014	0:00	23	*
	0:05	*	18
	0:10	*	19
	0:15	27	*
	0:20	24	*
	0:25	23	*
	0:30	23	*
	0:35	23	*
	0:40	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:45	*	18
	0:50	*	18
	0:55	29	*
	1:00	23	*
	1:05	23	*
	1:10	23	*
	1:15	23	*
	1:20	23	*
	1:25	*	19
	1:30	24	*
	1:35	26	*
	1:40	*	*
	1:45	25	*
	1:50	23	*
	1:55	23	*
	2:00	23	*
	2:05	*	*
	2:10	*	21
	2:15	24	*
	2:20	24	*
	2:25	23	*
	2:30	23	*
	2:35	23	*
	2:40	23	*
	2:45	*	18
	2:50	*	18
	2:55	*	*
	3:00	28	*
	3:05	23	*
	3:10	23	*
	3:15	23	*
	3:20	23	*
	3:25	23	*
	3:30	*	19
	3:35	24	*
	3:40	24	*
	3:45	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:50	23	*
	3:55	23	*
	4:00	23	*
	4:05	*	18
	4:10	*	19
	4:15	25	*
	4:20	24	*
	4:25	23	*
	4:30	23	*
	4:35	23	*
	4:40	23	*
	4:45	*	18
	4:50	*	20
	4:55	29	*
	5:00	24	*
	5:05	23	*
	5:10	23	*
	5:15	23	*
	5:20	23	*
	5:25	*	*
	5:30	*	*
	5:35	27	*
	5:40	23	*
	5:45	23	*
	5:50	23	*
	5:55	23	*
	6:00	*	*
	6:05	*	19
	6:10	24	18
	6:15	*	*
	6:20	24	*
	6:25	24	*
	6:30	23	*
	6:35	23	*
	6:40	23	*
	6:45	*	18
	6:50	*	18

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:55	28	*
	7:00	*	*
	7:05	24	*
	7:10	24	*
	7:15	23	*
	7:20	23	*
	7:25	*	*
	7:30	*	22
	7:35	26	*
	7:40	24	*
	7:45	23	*
	7:50	23	*
	7:55	23	*
	8:00	23	*
	8:05	*	18
	8:10	*	19
	8:15	28	*
	8:20	24	*
	8:25	23	*
	8:30	23	*
	8:35	23	*
	8:40	23	*
	8:45	*	18
	8:50	24	19
	8:55	25	18
	9:00	*	*
	9:05	24	*
	9:10	24	*
	9:15	23	*
	9:20	23	*
	9:25	*	*
	9:30	*	19
	9:35	28	*
	9:40	24	*
	9:45	23	*
	9:50	23	*
	9:55	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:00	23	*
	10:05	*	18
	10:10	*	*
	10:15	27	*
	10:20	23	*
	10:25	*	18
	10:30	*	19
	10:35	*	18
	10:40	*	17
	10:45	*	17
	10:50	*	*
	10:55	*	*
	11:00	*	21
	11:05	*	19
	11:10	*	18
	11:15	*	*
	11:20	*	18
	11:25	*	18
	11:30	*	18
	11:35	*	*
	11:40	*	*
	11:45	*	19
	11:50	*	19
	11:55	*	18
	12:00	*	18
	12:05	*	18
	12:10	*	18
	12:15	*	*
	12:20	*	*
	12:25	*	*
	12:30	34	*
	12:35	24	*
	12:40	23	*
	12:45	23	*
	12:50	23	*
	12:55	23	*
	13:00	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:05	*	23
	13:10	31	19
	13:15	*	*
	13:20	24	*
	13:25	24	*
	13:30	23	*
	13:35	23	*
	13:40	*	*
	13:45	*	*
	13:50	24	20
	13:55	24	*
	14:00	23	*
	14:05	23	*
	14:10	23	*
	14:15	23	*
	14:20	*	*
	14:25	*	20
	14:30	30	*
	14:35	24	*
	14:40	*	*
	14:45	23	*
	14:50	24	*
	14:55	23	*
	15:00	23	*
	15:05	*	18
	15:10	*	20
	15:15	28	*
	15:20	23	*
	15:25	23	*
	15:30	23	*
	15:35	23	*
	15:40	23	*
	15:45	*	20
	15:50	24	18
	15:55	25	*
	16:00	23	*
	16:05	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:10	23	*
	16:15	23	*
	16:20	*	18
	16:25	*	19
	16:30	26	*
	16:35	24	*
	16:40	23	*
	16:45	23	*
	16:50	23	*
	16:55	23	*
	17:00	*	19
	17:05	*	18
	17:10	28	*
	17:15	*	*
	17:20	24	*
	17:25	24	*
	17:30	23	*
	17:35	23	*
	17:40	23	*
	17:45	*	*
	17:50	*	22
	17:55	26	19
	18:00	23	*
	18:05	23	*
	18:10	23	*
	18:15	23	*
	18:20	23	*
	18:25	*	20
	18:30	24	*
	18:35	24	*
	18:40	23	*
	18:45	23	*
	18:50	23	*
	18:55	23	*
	19:00	*	18
	19:05	*	19
	19:10	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:15	24	*
	19:20	23	*
	19:25	23	*
	19:30	23	*
	19:35	23	*
	19:40	*	19
	19:45	*	18
	19:50	28	*
	19:55	*	*
	20:00	23	*
	20:05	23	*
	20:10	23	*
	20:15	23	*
	20:20	23	*
	20:25	*	23
	20:30	24	*
	20:35	25	*
	20:40	23	*
	20:45	23	*
	20:50	23	*
	20:55	23	*
	21:00	*	18
	21:05	*	20
	21:10	23	*
	21:15	24	*
	21:20	23	*
	21:25	23	*
	21:30	23	*
	21:35	23	*
	21:40	*	*
	21:45	*	20
	21:50	28	*
	21:55	23	*
	22:00	23	*
	22:05	23	*
	22:10	23	*
	22:15	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:20	*	19
	22:25	*	*
	22:30	26	*
	22:35	*	*
	22:40	24	*
	22:45	23	*
	22:50	23	*
	22:55	23	*
	23:00	*	*
	23:05	*	21
	23:10	24	*
	23:15	24	*
	23:20	23	*
	23:25	23	*
	23:30	23	*
	23:35	23	*
	23:40	*	19
	23:45	*	18
	23:50	27	*
	23:55	23	*
2/12/2014	0:00	23	*
	0:05	23	*
	0:10	23	*
	0:15	23	*
	0:20	*	19
	0:25	*	18
	0:30	26	*
	0:35	23	*
	0:40	*	*
	0:45	*	19
	0:50	*	18
	0:55	53	*
	1:00	*	*
	1:05	*	20
	1:10	*	19
	1:15	77	*
	1:20	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:25	23	*
	1:30	23	*
	1:35	23	*
	1:40	23	*
	1:45	*	20
	1:50	24	*
	1:55	25	*
	2:00	23	*
	2:05	23	*
	2:10	23	*
	2:15	23	*
	2:20	*	18
	2:25	*	19
	2:30	25	*
	2:35	24	*
	2:40	23	*
	2:45	23	*
	2:50	23	*
	2:55	23	*
	3:00	*	18
	3:05	*	19
	3:10	28	*
	3:15	*	*
	3:20	23	*
	3:25	24	*
	3:30	23	*
	3:35	23	*
	3:40	23	*
	3:45	*	23
	3:50	*	*
	3:55	26	*
	4:00	23	*
	4:05	23	*
	4:10	23	*
	4:15	23	*
	4:20	*	*
	4:25	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:30	23	*
	4:35	24	*
	4:40	23	*
	4:45	23	*
	4:50	23	*
	4:55	23	*
	5:00	*	18
	5:05	*	19
	5:10	27	*
	5:15	24	*
	5:20	23	*
	5:25	23	*
	5:30	23	*
	5:35	23	*
	5:40	*	19
	5:45	*	18
	5:50	27	*
	5:55	*	*
	6:00	25	*
	6:05	24	*
	6:10	23	*
	6:15	23	*
	6:20	*	*
	6:25	*	24
	6:30	23	*
	6:35	24	*
	6:40	23	*
	6:45	23	*
	6:50	23	*
	6:55	23	*
	7:00	*	18
	7:05	*	19
	7:10	27	*
	7:15	24	*
	7:20	23	*
	7:25	23	*
	7:30	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:35	23	*
	7:40	*	19
	7:45	*	18
	7:50	28	*
	7:55	23	*
	8:00	23	*
	8:05	23	*
	8:10	23	*
	8:15	23	*
	8:20	*	*
	8:25	24	20
	8:30	24	*
	8:35	23	*
	8:40	23	*
	8:45	23	*
	8:50	23	*
	8:55	*	*
	9:00	*	18
	9:05	23	*
	9:10	23	*
	9:15	23	*
	9:20	22	*
	9:25	22	*
	9:30	23	*
	9:35	*	22
	9:40	23	*
	9:45	24	*
	9:50	22	*
	9:55	22	*
	10:00	22	*
	10:05	22	*
	10:10	*	*
	10:15	*	20
	10:20	27	*
	10:25	23	*
	10:30	22	*
	10:35	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:40	22	*
	10:45	22	*
	10:50	*	*
	10:55	*	22
	11:00	27	20
	11:05	23	*
	11:10	22	*
	11:15	22	*
	11:20	22	*
	11:25	22	*
	11:30	*	20
	11:35	23	*
	11:40	25	*
	11:45	*	*
	11:50	24	*
	11:55	23	*
	12:00	22	*
	12:05	22	*
	12:10	*	25
	12:15	*	20
	12:20	*	*
	12:25	25	*
	12:30	23	*
	12:35	22	*
	12:40	22	*
	12:45	22	*
	12:50	*	19
	12:55	*	21
	13:00	23	*
	13:05	23	*
	13:10	22	*
	13:15	22	*
	13:20	22	*
	13:25	22	*
	13:30	*	19
	13:35	*	20
	13:40	27	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:45	23	*
	13:50	22	*
	13:55	22	*
	14:00	22	*
	14:05	22	*
	14:10	*	*
	14:15	23	*
	14:20	24	*
	14:25	22	20
	14:30	22	*
	14:35	22	24
	14:40	22	*
	14:45	*	*
	14:50	*	*
	14:55	23	*
	15:00	23	*
	15:05	22	*
	15:10	22	*
	15:15	22	*
	15:20	22	*
	15:25	*	22
	15:30	*	20
	15:35	26	19
	15:40	*	*
	15:45	23	*
	15:50	22	*
	15:55	22	*
	16:00	22	*
	16:05	22	*
	16:10	*	21
	16:15	23	*
	16:20	24	*
	16:25	*	*
	16:30	24	*
	16:35	22	*
	16:40	22	*
	16:45	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:50	*	19
	16:55	*	22
	17:00	27	*
	17:05	23	*
	17:10	22	*
	17:15	22	*
	17:20	22	*
	17:25	22	*
	17:30	*	22
	17:35	*	19
	17:40	*	*
	17:45	25	*
	17:50	22	*
	17:55	22	*
	18:00	22	*
	18:05	22	*
	18:10	*	20
	18:15	*	20
	18:20	24	*
	18:25	23	*
	18:30	22	*
	18:35	22	*
	18:40	22	*
	18:45	22	*
	18:50	22	*
	18:55	22	*
	19:00	*	*
	19:05	23	*
	19:10	24	*
	19:15	22	*
	19:20	22	*
	19:25	22	*
	19:30	22	*
	19:35	*	23
	19:40	*	21
	19:45	24	*
	19:50	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:55	22	*
	20:00	22	*
	20:05	22	*
	20:10	22	*
	20:15	*	21
	20:20	*	20
	20:25	29	*
	20:30	23	*
	20:35	22	*
	20:40	22	*
	20:45	*	19
	20:50	*	20
	20:55	*	*
	21:00	*	*
	21:05	*	23
	21:10	*	20
	21:15	*	19
	21:20	*	19
	21:25	*	19
	21:30	*	19
	21:35	*	*
	21:40	*	20
	21:45	*	23
	21:50	*	20
	21:55	*	19
	22:00	*	19
	22:05	*	19
	22:10	*	*
	22:15	32	*
	22:20	*	*
	22:25	23	*
	22:30	22	*
	22:35	22	*
	22:40	22	*
	22:45	*	19
	22:50	*	23
	22:55	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:00	24	*
	23:05	22	*
	23:10	22	*
	23:15	22	*
	23:20	22	*
	23:25	*	20
	23:30	*	20
	23:35	28	*
	23:40	23	*
	23:45	22	*
	23:50	22	*
	23:55	22	*
2/13/2014	0:00	22	*
	0:05	*	20
	0:10	*	20
	0:15	*	*
	0:20	26	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	22	*
	0:45	*	19
	0:50	*	21
	0:55	24	*
	1:00	23	*
	1:05	*	*
	1:10	23	*
	1:15	22	*
	1:20	22	*
	1:25	22	*
	1:30	*	24
	1:35	23	*
	1:40	24	*
	1:45	22	*
	1:50	22	*
	1:55	22	*
	2:00	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:05	*	*
	2:10	*	21
	2:15	23	*
	2:20	23	*
	2:25	22	*
	2:30	22	*
	2:35	22	*
	2:40	22	*
	2:45	*	19
	2:50	*	20
	2:55	25	*
	3:00	23	*
	3:05	22	*
	3:10	22	*
	3:15	22	*
	3:20	22	*
	3:25	*	20
	3:30	*	20
	3:35	26	*
	3:40	*	*
	3:45	23	*
	3:50	23	*
	3:55	22	*
	4:00	22	*
	4:05	22	*
	4:10	*	25
	4:15	23	*
	4:20	24	*
	4:25	22	*
	4:30	22	*
	4:35	22	*
	4:40	22	*
	4:45	*	19
	4:50	*	20
	4:55	24	*
	5:00	23	*
	5:05	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:10	22	*
	5:15	22	*
	5:20	22	*
	5:25	*	19
	5:30	*	21
	5:35	28	*
	5:40	22	*
	5:45	22	*
	5:50	22	*
	5:55	22	*
	6:00	22	*
	6:05	*	21
	6:10	23	*
	6:15	24	*
	6:20	*	*
	6:25	23	*
	6:30	22	*
	6:35	22	*
	6:40	22	*
	6:45	*	19
	6:50	*	21
	6:55	26	*
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	22	*
	7:20	22	*
	7:25	*	21
	7:30	*	*
	7:35	25	*
	7:40	22	*
	7:45	22	*
	7:50	22	*
	7:55	22	*
	8:00	*	*
	8:05	*	20
	8:10	23	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:15	23	*
	8:20	22	*
	8:25	22	*
	8:30	22	*
	8:35	22	*
	8:40	*	19
	8:45	*	21
	8:50	26	*
	8:55	*	*
	9:00	24	*
	9:05	22	*
	9:10	22	*
	9:15	22	*
	9:20	22	*
	9:25	*	19
	9:30	*	22
	9:35	28	*
	9:40	22	*
	9:45	22	*
	9:50	22	*
	9:55	22	*
	10:00	22	*
	10:05	*	21
	10:10	23	19
	10:15	24	*
	10:20	22	*
	10:25	22	*
	10:30	*	20
	10:35	*	20
	10:40	*	19
	10:45	*	19
	10:50	23	*
	10:55	272	*
	11:00	*	*
	11:05	30	*
	11:10	22	*
	11:15	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:20	22	*
	11:25	*	*
	11:30	*	*
	11:35	32	*
	11:40	22	*
	11:45	22	*
	11:50	22	26
	11:55	22	22
	12:00	*	19
	12:05	*	19
	12:10	*	*
	12:15	27	*
	12:20	23	*
	12:25	22	*
	12:30	22	*
	12:35	22	*
	12:40	*	20
	12:45	*	21
	12:50	24	*
	12:55	23	*
	13:00	22	*
	13:05	22	*
	13:10	22	*
	13:15	22	*
	13:20	*	*
	13:25	*	21
	13:30	28	*
	13:35	22	*
	13:40	22	*
	13:45	22	*
	13:50	22	*
	13:55	22	*
	14:00	*	*
	14:05	*	*
	14:10	25	*
	14:15	22	*
	14:20	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:25	22	25
	14:30	22	20
	14:35	*	*
	14:40	*	19
	14:45	*	19
	14:50	*	*
	14:55	30	*
	15:00	22	*
	15:05	22	*
	15:10	22	*
	15:15	22	*
	15:20	22	*
	15:25	*	*
	15:30	23	19
	15:35	25	20
	15:40	22	*
	15:45	22	*
	15:50	*	*
	15:55	24	*
	16:00	22	*
	16:05	*	23
	16:10	*	20
	16:15	26	*
	16:20	22	*
	16:25	22	*
	16:30	22	*
	16:35	22	*
	16:40	22	*
	16:45	*	21
	16:50	*	19
	16:55	28	*
	17:00	22	*
	17:05	22	*
	17:10	22	*
	17:15	22	*
	17:20	22	*
	17:25	*	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:30	*	*
	17:35	23	*
	17:40	23	*
	17:45	22	*
	17:50	22	*
	17:55	22	*
	18:00	22	*
	18:05	*	20
	18:10	*	20
	18:15	28	*
	18:20	22	*
	18:25	22	*
	18:30	23	*
	18:35	22	*
	18:40	22	*
	18:45	*	19
	18:50	*	22
	18:55	22	*
	19:00	23	*
	19:05	22	*
	19:10	22	*
	19:15	22	*
	19:20	22	*
	19:25	*	19
	19:30	*	20
	19:35	26	*
	19:40	23	*
	19:45	22	*
	19:50	22	*
	19:55	22	*
	20:00	22	*
	20:05	*	20
	20:10	*	*
	20:15	27	*
	20:20	22	*
	20:25	22	*
	20:30	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:35	22	*
	20:40	22	*
	20:45	*	21
	20:50	23	*
	20:55	25	*
	21:00	*	*
	21:05	24	*
	21:10	22	*
	21:15	22	*
	21:20	22	*
	21:25	*	19
	21:30	*	21
	21:35	28	*
	21:40	22	*
	21:45	22	*
	21:50	22	*
	21:55	22	*
	22:00	22	*
	22:05	*	21
	22:10	*	19
	22:15	27	*
	22:20	22	*
	22:25	22	*
	22:30	22	*
	22:35	22	*
	22:40	22	*
	22:45	*	21
	22:50	23	*
	22:55	24	*
	23:00	22	*
	23:05	22	*
	23:10	22	*
	23:15	22	*
	23:20	*	19
	23:25	*	20
	23:30	25	*
	23:35	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:40	*	*
	23:45	24	*
	23:50	22	*
	23:55	22	*
2/14/2014	0:00	22	*
	0:05	*	23
	0:10	*	20
	0:15	29	*
	0:20	22	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	22	*
	0:45	*	21
	0:50	23	*
	0:55	25	*
	1:00	22	*
	1:05	22	*
	1:10	22	*
	1:15	22	*
	1:20	*	*
	1:25	*	21
	1:30	23	*
	1:35	23	*
	1:40	22	*
	1:45	22	*
	1:50	22	*
	1:55	22	*
	2:00	*	20
	2:05	*	20
	2:10	28	*
	2:15	*	*
	2:20	22	*
	2:25	23	*
	2:30	22	*
	2:35	22	*
	2:40	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:45	*	23
	2:50	23	*
	2:55	24	*
	3:00	22	*
	3:05	22	*
	3:10	22	*
	3:15	22	*
	3:20	*	*
	3:25	*	21
	3:30	24	*
	3:35	23	*
	3:40	22	*
	3:45	22	*
	3:50	22	*
	3:55	22	*
	4:00	*	20
	4:05	*	20
	4:10	28	*
	4:15	22	*
	4:20	22	*
	4:25	22	*
	4:30	22	*
	4:35	22	*
	4:40	*	21
	4:45	*	*
	4:50	26	*
	4:55	*	*
	5:00	24	*
	5:05	22	*
	5:10	22	*
	5:15	22	*
	5:20	*	19
	5:25	*	22
	5:30	26	*
	5:35	23	*
	5:40	22	*
	5:45	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:50	22	*
	5:55	22	*
	6:00	*	20
	6:05	*	20
	6:10	29	*
	6:15	22	*
	6:20	22	*
	6:25	22	*
	6:30	22	*
	6:35	*	*
	6:40	*	21
	6:45	*	19
	6:50	*	*
	6:55	*	*
	7:00	*	20
	7:05	*	20
	7:10	*	19
	7:15	*	19
	7:20	*	19
	7:25	*	19
	7:30	*	*
	7:35	*	*
	7:40	*	24
	7:45	*	*
	7:50	*	*
	7:55	39	*
	8:00	23	*
	8:05	22	*
	8:10	22	*
	8:15	22	21
	8:20	22	*
	8:25	*	*
	8:30	*	21
	8:35	33	*
	8:40	22	*
	8:45	22	*
	8:50	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:55	22	*
	9:00	*	21
	9:05	23	*
	9:10	*	*
	9:15	22	*
	9:20	22	*
	9:25	22	*
	9:30	22	*
	9:35	*	*
	9:40	*	21
	9:45	23	*
	9:50	23	*
	9:55	*	*
	10:00	24	*
	10:05	22	*
	10:10	22	*
	10:15	22	*
	10:20	*	*
	10:25	23	*
	10:30	26	*
	10:35	22	*
	10:40	22	*
	10:45	22	*
	10:50	22	25
	10:55	*	20
	11:00	*	19
	11:05	22	*
	11:10	24	*
	11:15	24	*
	11:20	25	*
	11:25	23	*
	11:30	23	*
	11:35	*	*
	11:40	*	21
	11:45	29	19
	11:50	*	*
	11:55	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:00	22	*
	12:05	22	*
	12:10	22	*
	12:15	22	*
	12:20	*	19
	12:25	23	*
	12:30	25	*
	12:35	22	*
	12:40	22	*
	12:45	22	*
	12:50	22	*
	12:55	*	*
	13:00	*	*
	13:05	23	*
	13:10	23	*
	13:15	22	*
	13:20	22	*
	13:25	22	*
	13:30	22	*
	13:35	*	*
	13:40	*	22
	13:45	27	*
	13:50	22	*
	13:55	22	*
	14:00	22	*
	14:05	22	*
	14:10	22	*
	14:15	*	*
	14:20	23	*
	14:25	25	20
	14:30	22	20
	14:35	22	*
	14:40	22	*
	14:45	22	*
	14:50	*	*
	14:55	*	*
	15:00	27	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:05	22	*
	15:10	22	*
	15:15	22	*
	15:20	22	21
	15:25	22	20
	15:30	*	19
	15:35	*	*
	15:40	*	*
	15:45	23	*
	15:50	*	*
	15:55	24	*
	16:00	22	*
	16:05	22	*
	16:10	22	*
	16:15	*	24
	16:20	23	*
	16:25	25	*
	16:30	22	*
	16:35	22	*
	16:40	22	*
	16:45	22	*
	16:50	*	*
	16:55	*	*
	17:00	26	*
	17:05	23	*
	17:10	22	*
	17:15	22	*
	17:20	22	*
	17:25	22	*
	17:30	*	*
	17:35	*	*
	17:40	27	*
	17:45	22	*
	17:50	22	*
	17:55	22	*
	18:00	22	*
	18:05	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:10	*	*
	18:15	23	*
	18:20	23	*
	18:25	22	*
	18:30	22	*
	18:35	22	*
	18:40	22	*
	18:45	*	*
	18:50	*	*
	18:55	26	*
	19:00	23	*
	19:05	22	*
	19:10	22	*
	19:15	22	*
	19:20	22	*
	19:25	*	*
	19:30	*	33
	19:35	30	*
	19:40	22	*
	19:45	22	*
	19:50	22	*
	19:55	*	*
	20:00	*	*
	20:05	*	370
	20:10	*	*
	20:15	23	*
	20:20	*	*
	20:25	*	*
	20:30	*	*
	20:35	24	*
	20:40	*	*
	20:45	*	*
	20:50	66	*
	20:55	24	*
	21:00	22	*
	21:05	22	*
	21:10	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:15	22	*
	21:20	*	*
	21:25	23	*
	21:30	24	*
	21:35	22	*
	21:40	22	*
	21:45	22	*
	21:50	22	*
	21:55	*	*
	22:00	*	30
	22:05	25	*
	22:10	24	*
	22:15	22	*
	22:20	22	*
	22:25	22	*
	22:30	22	*
	22:35	*	20
	22:40	*	20
	22:45	29	*
	22:50	23	*
	22:55	22	*
	23:00	22	*
	23:05	22	*
	23:10	22	*
	23:15	*	22
	23:20	*	*
	23:25	32	*
	23:30	22	*
	23:35	22	*
	23:40	22	*
	23:45	22	*
	23:50	*	*
	23:55	*	22
2/15/2014	0:00	23	*
	0:05	24	*
	0:10	*	*
	0:15	33	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:20	22	*
	0:25	22	*
	0:30	22	*
	0:35	*	*
	0:40	*	25
	0:45	25	*
	0:50	23	*
	0:55	22	*
	1:00	22	*
	1:05	22	*
	1:10	22	*
	1:15	*	20
	1:20	*	20
	1:25	29	*
	1:30	22	*
	1:35	22	*
	1:40	22	*
	1:45	22	*
	1:50	22	*
	1:55	*	20
	2:00	23	*
	2:05	25	*
	2:10	22	*
	2:15	22	*
	2:20	22	*
	2:25	22	*
	2:30	*	*
	2:35	*	22
	2:40	23	*
	2:45	23	*
	2:50	22	*
	2:55	22	*
	3:00	22	*
	3:05	22	*
	3:10	*	20
	3:15	*	20
	3:20	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:25	23	*
	3:30	22	*
	3:35	22	*
	3:40	22	*
	3:45	22	*
	3:50	*	20
	3:55	*	21
	4:00	31	*
	4:05	22	*
	4:10	22	*
	4:15	22	*
	4:20	22	*
	4:25	22	*
	4:30	*	21
	4:35	*	*
	4:40	27	*
	4:45	22	*
	4:50	22	*
	4:55	22	*
	5:00	22	*
	5:05	*	*
	5:10	*	22
	5:15	23	*
	5:20	24	*
	5:25	22	*
	5:30	22	*
	5:35	22	*
	5:40	22	*
	5:45	*	*
	5:50	*	22
	5:55	30	*
	6:00	23	*
	6:05	23	*
	6:10	24	*
	6:15	22	*
	6:20	22	*
	6:25	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:30	*	28
	6:35	23	*
	6:40	25	*
	6:45	22	*
	6:50	22	*
	6:55	22	*
	7:00	22	*
	7:05	*	*
	7:10	*	21
	7:15	23	*
	7:20	23	*
	7:25	22	*
	7:30	22	*
	7:35	22	*
	7:40	22	*
	7:45	*	19
	7:50	*	20
	7:55	27	*
	8:00	23	*
	8:05	22	*
	8:10	22	*
	8:15	22	*
	8:20	22	*
	8:25	*	*
	8:30	*	21
	8:35	27	*
	8:40	22	*
	8:45	22	*
	8:50	22	*
	8:55	22	*
	9:00	22	*
	9:05	*	23
	9:10	23	*
	9:15	24	*
	9:20	22	*
	9:25	22	*
	9:30	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:35	22	*
	9:40	*	*
	9:45	*	22
	9:50	*	*
	9:55	30	*
	10:00	23	*
	10:05	22	*
	10:10	22	*
	10:15	22	*
	10:20	22	*
	10:25	*	*
	10:30	*	21
	10:35	27	*
	10:40	22	*
	10:45	22	*
	10:50	22	*
	10:55	22	*
	11:00	*	*
	11:05	*	21
	11:10	23	*
	11:15	24	*
	11:20	22	*
	11:25	22	*
	11:30	22	*
	11:35	22	*
	11:40	*	*
	11:45	*	28
	11:50	23	*
	11:55	23	*
	12:00	*	*
	12:05	24	*
	12:10	22	*
	12:15	22	*
	12:20	22	*
	12:25	*	*
	12:30	*	20
	12:35	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:40	22	*
	12:45	22	*
	12:50	22	*
	12:55	22	*
	13:00	22	*
	13:05	*	*
	13:10	23	*
	13:15	24	*
	13:20	22	*
	13:25	22	*
	13:30	22	22
	13:35	22	20
	13:40	*	19
	13:45	*	19
	13:50	23	*
	13:55	23	*
	14:00	22	*
	14:05	22	*
	14:10	22	*
	14:15	22	*
	14:20	*	*
	14:25	*	*
	14:30	26	*
	14:35	23	*
	14:40	22	*
	14:45	22	*
	14:50	22	*
	14:55	22	*
	15:00	*	*
	15:05	*	19
	15:10	28	*
	15:15	22	*
	15:20	22	23
	15:25	22	*
	15:30	22	*
	15:35	22	*
	15:40	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:45	23	*
	15:50	25	*
	15:55	22	*
	16:00	22	*
	16:05	22	*
	16:10	22	*
	16:15	*	21
	16:20	*	19
	16:25	24	*
	16:30	23	*
	16:35	22	*
	16:40	22	*
	16:45	22	*
	16:50	22	*
	16:55	*	21
	17:00	*	19
	17:05	*	19
	17:10	*	*
	17:15	*	*
	17:20	*	*
	17:25	*	23
	17:30	*	20
	17:35	*	19
	17:40	*	19
	17:45	*	19
	17:50	*	19
	17:55	*	*
	18:00	*	*
	18:05	*	23
	18:10	*	19
	18:15	*	19
	18:20	*	*
	18:25	33	*
	18:30	22	*
	18:35	22	*
	18:40	*	*
	18:45	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:50	22	*
	18:55	*	21
	19:00	*	*
	19:05	31	*
	19:10	22	*
	19:15	22	*
	19:20	22	*
	19:25	22	*
	19:30	*	19
	19:35	*	21
	19:40	23	*
	19:45	24	*
	19:50	*	*
	19:55	25	*
	20:00	22	*
	20:05	22	*
	20:10	22	*
	20:15	*	23
	20:20	*	20
	20:25	*	*
	20:30	29	*
	20:35	22	*
	20:40	22	*
	20:45	22	*
	20:50	22	*
	20:55	*	*
	21:00	*	*
	21:05	23	20
	21:10	24	*
	21:15	22	*
	21:20	22	*
	21:25	22	*
	21:30	22	*
	21:35	*	20
	21:40	*	20
	21:45	25	19
	21:50	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:55	22	*
	22:00	22	*
	22:05	22	*
	22:10	22	*
	22:15	*	21
	22:20	*	20
	22:25	*	*
	22:30	*	*
	22:35	23	*
	22:40	23	*
	22:45	22	*
	22:50	22	*
	22:55	22	*
	23:00	*	19
	23:05	*	23
	23:10	28	19
	23:15	23	20
	23:20	23	*
	23:25	22	*
	23:30	22	*
	23:35	22	*
	23:40	22	*
	23:45	*	*
	23:50	23	*
	23:55	26	*
2/16/2014	0:00	22	*
	0:05	22	*
	0:10	22	*
	0:15	22	*
	0:20	*	21
	0:25	*	21
	0:30	26	*
	0:35	22	*
	0:40	22	*
	0:45	22	*
	0:50	22	*
	0:55	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:00	*	19
	1:05	*	20
	1:10	28	*
	1:15	22	*
	1:20	22	*
	1:25	22	*
	1:30	22	*
	1:35	22	*
	1:40	*	23
	1:45	*	19
	1:50	*	*
	1:55	25	*
	2:00	22	*
	2:05	22	*
	2:10	22	*
	2:15	22	*
	2:20	*	19
	2:25	*	21
	2:30	26	*
	2:35	23	*
	2:40	22	*
	2:45	22	*
	2:50	22	*
	2:55	22	*
	3:00	*	20
	3:05	*	20
	3:10	28	*
	3:15	22	*
	3:20	22	*
	3:25	22	*
	3:30	22	*
	3:35	22	*
	3:40	*	21
	3:45	23	*
	3:50	25	*
	3:55	*	*
	4:00	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:05	22	*
	4:10	22	*
	4:15	22	*
	4:20	*	19
	4:25	*	23
	4:30	*	*
	4:35	28	*
	4:40	22	*
	4:45	22	*
	4:50	22	*
	4:55	22	*
	5:00	22	*
	5:05	*	21
	5:10	*	*
	5:15	26	*
	5:20	22	*
	5:25	22	*
	5:30	22	*
	5:35	22	*
	5:40	*	*
	5:45	*	*
	5:50	23	*
	5:55	23	*
	6:00	22	21
	6:05	22	*
	6:10	*	21
	6:15	*	19
	6:20	*	19
	6:25	*	20
	6:30	*	*
	6:35	*	19
	6:40	*	20
	6:45	35	*
	6:50	22	*
	6:55	22	*
	7:00	22	*
	7:05	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:10	22	*
	7:15	*	23
	7:20	23	*
	7:25	25	*
	7:30	22	*
	7:35	22	*
	7:40	22	*
	7:45	22	*
	7:50	*	*
	7:55	*	21
	8:00	23	*
	8:05	23	*
	8:10	22	*
	8:15	22	*
	8:20	22	*
	8:25	22	*
	8:30	*	*
	8:35	*	21
	8:40	29	*
	8:45	22	*
	8:50	22	*
	8:55	22	*
	9:00	22	*
	9:05	22	*
	9:10	*	20
	9:15	*	20
	9:20	27	*
	9:25	22	*
	9:30	22	*
	9:35	22	*
	9:40	22	*
	9:45	22	*
	9:50	*	19
	9:55	23	*
	10:00	24	*
	10:05	22	22
	10:10	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:15	23	*
	10:20	22	*
	10:25	22	*
	10:30	22	*
	10:35	*	22
	10:40	23	20
	10:45	24	*
	10:50	22	*
	10:55	22	*
	11:00	22	*
	11:05	22	*
	11:10	*	*
	11:15	*	19
	11:20	23	20
	11:25	23	*
	11:30	22	*
	11:35	22	*
	11:40	22	*
	11:45	22	*
	11:50	*	19
	11:55	*	20
	12:00	28	*
	12:05	22	*
	12:10	22	*
	12:15	22	*
	12:20	22	*
	12:25	22	*
	12:30	*	20
	12:35	*	20
	12:40	26	*
	12:45	22	*
	12:50	22	*
	12:55	22	*
	13:00	22	*
	13:05	22	*
	13:10	*	24
	13:15	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:20	25	*
	13:25	25	*
	13:30	22	*
	13:35	22	*
	13:40	22	*
	13:45	22	*
	13:50	*	*
	13:55	*	*
	14:00	28	*
	14:05	22	*
	14:10	22	*
	14:15	22	*
	14:20	22	22
	14:25	22	*
	14:30	*	21
	14:35	23	19
	14:40	25	*
	14:45	22	*
	14:50	22	*
	14:55	22	*
	15:00	22	*
	15:05	*	*
	15:10	*	21
	15:15	22	*
	15:20	23	*
	15:25	*	*
	15:30	22	*
	15:35	22	*
	15:40	22	*
	15:45	22	*
	15:50	*	21
	15:55	*	20
	16:00	27	*
	16:05	22	*
	16:10	22	*
	16:15	22	*
	16:20	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:25	22	*
	16:30	*	21
	16:35	22	*
	16:40	25	*
	16:45	22	*
	16:50	22	*
	16:55	22	*
	17:00	22	*
	17:05	*	*
	17:10	*	21
	17:15	24	*
	17:20	22	*
	17:25	22	*
	17:30	22	*
	17:35	22	*
	17:40	22	*
	17:45	*	21
	17:50	*	20
	17:55	27	*
	18:00	22	*
	18:05	22	*
	18:10	22	*
	18:15	22	*
	18:20	22	*
	18:25	*	*
	18:30	*	*
	18:35	26	*
	18:40	22	*
	18:45	22	*
	18:50	22	*
	18:55	22	*
	19:00	*	19
	19:05	*	24
	19:10	23	*
	19:15	23	*
	19:20	22	*
	19:25	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:30	22	*
	19:35	22	*
	19:40	*	19
	19:45	*	21
	19:50	27	*
	19:55	22	*
	20:00	22	*
	20:05	22	*
	20:10	22	*
	20:15	22	*
	20:20	*	20
	20:25	*	19
	20:30	27	*
	20:35	22	*
	20:40	22	*
	20:45	22	*
	20:50	22	*
	20:55	22	*
	21:00	*	20
	21:05	*	*
	21:10	26	*
	21:15	22	*
	21:20	22	*
	21:25	22	*
	21:30	22	*
	21:35	22	*
	21:40	*	23
	21:45	23	20
	21:50	*	*
	21:55	28	*
	22:00	22	*
	22:05	22	*
	22:10	22	*
	22:15	22	*
	22:20	*	19
	22:25	*	21
	22:30	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:35	22	*
	22:40	22	*
	22:45	22	*
	22:50	22	*
	22:55	22	*
	23:00	*	*
	23:05	*	*
	23:10	*	*
	23:15	28	*
	23:20	23	*
	23:25	22	*
	23:30	22	*
	23:35	22	*
	23:40	22	*
	23:45	*	23
	23:50	*	19
	23:55	28	*
2/17/2014	0:00	*	*
	0:05	24	*
	0:10	22	*
	0:15	22	*
	0:20	22	*
	0:25	*	*
	0:30	*	23
	0:35	23	*
	0:40	23	*
	0:45	22	*
	0:50	22	*
	0:55	22	*
	1:00	22	*
	1:05	*	20
	1:10	*	19
	1:15	27	*
	1:20	22	*
	1:25	22	*
	1:30	22	*
	1:35	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:40	22	*
	1:45	*	20
	1:50	*	*
	1:55	26	*
	2:00	22	*
	2:05	22	*
	2:10	22	*
	2:15	22	*
	2:20	22	*
	2:25	*	21
	2:30	23	*
	2:35	24	*
	2:40	22	*
	2:45	22	*
	2:50	22	*
	2:55	22	*
	3:00	*	*
	3:05	*	24
	3:10	*	19
	3:15	*	19
	3:20	*	19
	3:25	*	19
	3:30	*	*
	3:35	*	*
	3:40	*	19
	3:45	*	21
	3:50	*	19
	3:55	*	19
	4:00	*	19
	4:05	*	19
	4:10	*	*
	4:15	*	*
	4:20	*	*
	4:25	26	*
	4:30	22	*
	4:35	22	*
	4:40	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:45	22	*
	4:50	*	21
	4:55	*	20
	5:00	29	*
	5:05	23	*
	5:10	22	*
	5:15	22	*
	5:20	22	*
	5:25	22	*
	5:30	*	20
	5:35	*	19
	5:40	27	*
	5:45	22	*
	5:50	22	*
	5:55	22	*
	6:00	22	*
	6:05	22	*
	6:10	*	20
	6:15	23	*
	6:20	24	*
	6:25	22	*
	6:30	22	*
	6:35	22	*
	6:40	22	*
	6:45	*	*
	6:50	*	21
	6:55	23	*
	7:00	23	*
	7:05	*	*
	7:10	23	*
	7:15	22	*
	7:20	22	*
	7:25	22	*
	7:30	*	*
	7:35	23	*
	7:40	25	*
	7:45	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:50	22	*
	7:55	22	*
	8:00	22	*
	8:05	*	*
	8:10	*	20
	8:15	23	19
	8:20	23	*
	8:25	22	*
	8:30	22	*
	8:35	22	*
	8:40	22	*
	8:45	*	*
	8:50	*	*
	8:55	25	20
	9:00	22	19
	9:05	*	*
	9:10	24	*
	9:15	22	*
	9:20	22	*
	9:25	22	*
	9:30	*	20
	9:35	*	*
	9:40	23	*
	9:45	23	*
	9:50	22	*
	9:55	22	*
	10:00	22	*
	10:05	22	*
	10:10	*	22
	10:15	23	19
	10:20	*	*
	10:25	25	*
	10:30	22	*
	10:35	22	*
	10:40	22	*
	10:45	22	*
	10:50	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:55	*	*
	11:00	27	21
	11:05	22	*
	11:10	22	*
	11:15	22	*
	11:20	22	*
	11:25	22	*
	11:30	*	*
	11:35	23	*
	11:40	25	*
	11:45	22	*
	11:50	22	20
	11:55	22	20
	12:00	22	*
	12:05	*	*
	12:10	*	20
	12:15	23	*
	12:20	23	*
	12:25	*	*
	12:30	24	23
	12:35	*	*
	12:40	24	*
	12:45	22	*
	12:50	22	*
	12:55	*	20
	13:00	23	19
	13:05	*	*
	13:10	25	*
	13:15	22	*
	13:20	22	*
	13:25	22	*
	13:30	22	*
	13:35	*	*
	13:40	*	21
	13:45	27	*
	13:50	22	*
	13:55	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:00	22	*
	14:05	22	*
	14:10	22	*
	14:15	*	20
	14:20	*	19
	14:25	26	*
	14:30	*	*
	14:35	22	19
	14:40	*	*
	14:45	25	*
	14:50	22	*
	14:55	22	*
	15:00	*	*
	15:05	*	*
	15:10	26	*
	15:15	22	*
	15:20	22	*
	15:25	22	*
	15:30	22	*
	15:35	22	*
	15:40	*	*
	15:45	*	*
	15:50	26	20
	15:55	22	20
	16:00	22	*
	16:05	22	*
	16:10	22	*
	16:15	*	19
	16:20	*	20
	16:25	38	19
	16:30	105	*
	16:35	*	19
	16:40	*	22
	16:45	*	19
	16:50	*	19
	16:55	250	*
	17:00	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:05	24	*
	17:10	26	*
	17:15	22	*
	17:20	22	*
	17:25	22	*
	17:30	22	*
	17:35	*	19
	17:40	*	20
	17:45	23	*
	17:50	23	*
	17:55	22	*
	18:00	22	*
	18:05	22	*
	18:10	22	*
	18:15	*	20
	18:20	*	21
	18:25	*	*
	18:30	28	*
	18:35	22	*
	18:40	22	*
	18:45	22	*
	18:50	22	*
	18:55	22	*
	19:00	*	20
	19:05	23	*
	19:10	24	*
	19:15	22	*
	19:20	22	*
	19:25	22	*
	19:30	22	*
	19:35	*	*
	19:40	*	20
	19:45	25	*
	19:50	22	*
	19:55	22	*
	20:00	22	*
	20:05	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:10	22	*
	20:15	*	19
	20:20	*	20
	20:25	27	*
	20:30	22	20
	20:35	22	*
	20:40	22	*
	20:45	22	*
	20:50	22	*
	20:55	*	22
	21:00	*	*
	21:05	26	*
	21:10	22	*
	21:15	22	*
	21:20	22	*
	21:25	22	*
	21:30	*	19
	21:35	*	20
	21:40	22	*
	21:45	23	*
	21:50	22	*
	21:55	22	*
	22:00	22	*
	22:05	22	*
	22:10	*	19
	22:15	*	20
	22:20	25	*
	22:25	22	*
	22:30	22	*
	22:35	22	*
	22:40	22	*
	22:45	22	*
	22:50	*	20
	22:55	*	20
	23:00	29	*
	23:05	22	*
	23:10	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:15	22	*
	23:20	22	*
	23:25	22	*
	23:30	*	21
	23:35	23	*
	23:40	*	*
	23:45	24	*
	23:50	22	*
	23:55	22	*
2/18/2014	0:00	22	*
	0:05	22	*
	0:10	*	19
	0:15	*	23
	0:20	27	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	22	*
	0:45	22	*
	0:50	*	21
	0:55	*	*
	1:00	28	*
	1:05	22	*
	1:10	22	*
	1:15	22	*
	1:20	22	*
	1:25	*	*
	1:30	*	21
	1:35	23	*
	1:40	24	*
	1:45	22	*
	1:50	22	*
	1:55	22	*
	2:00	22	*
	2:05	*	19
	2:10	*	20
	2:15	25	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:20	22	*
	2:25	*	*
	2:30	24	*
	2:35	22	*
	2:40	22	*
	2:45	22	*
	2:50	*	20
	2:55	*	21
	3:00	31	*
	3:05	22	*
	3:10	22	*
	3:15	22	*
	3:20	22	*
	3:25	22	*
	3:30	*	20
	3:35	23	*
	3:40	25	*
	3:45	22	*
	3:50	22	*
	3:55	22	*
	4:00	22	*
	4:05	*	*
	4:10	*	20
	4:15	23	*
	4:20	23	*
	4:25	22	*
	4:30	22	*
	4:35	22	*
	4:40	22	*
	4:45	*	*
	4:50	*	21
	4:55	27	*
	5:00	22	*
	5:05	22	*
	5:10	22	*
	5:15	22	*
	5:20	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:25	*	19
	5:30	*	21
	5:35	28	*
	5:40	22	*
	5:45	22	*
	5:50	22	*
	5:55	22	*
	6:00	22	*
	6:05	*	21
	6:10	23	*
	6:15	24	*
	6:20	22	*
	6:25	22	*
	6:30	22	*
	6:35	22	*
	6:40	*	19
	6:45	*	20
	6:50	24	*
	6:55	23	*
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	22	*
	7:20	*	19
	7:25	*	20
	7:30	27	*
	7:35	*	*
	7:40	23	*
	7:45	23	*
	7:50	22	*
	7:55	22	*
	8:00	22	*
	8:05	*	22
	8:10	23	*
	8:15	24	*
	8:20	22	*
	8:25	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:30	22	*
	8:35	22	*
	8:40	*	*
	8:45	*	*
	8:50	24	*
	8:55	23	*
	9:00	22	*
	9:05	22	20
	9:10	22	20
	9:15	22	*
	9:20	*	*
	9:25	*	*
	9:30	26	20
	9:35	22	19
	9:40	*	*
	9:45	25	*
	9:50	22	*
	9:55	*	*
	10:00	*	20
	10:05	*	*
	10:10	27	*
	10:15	22	*
	10:20	22	*
	10:25	22	*
	10:30	22	*
	10:35	22	*
	10:40	*	24
	10:45	*	20
	10:50	*	*
	10:55	26	*
	11:00	22	*
	11:05	22	*
	11:10	22	*
	11:15	22	*
	11:20	*	*
	11:25	*	*
	11:30	25	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:35	23	*
	11:40	22	*
	11:45	22	*
	11:50	22	*
	11:55	22	*
	12:00	*	*
	12:05	*	19
	12:10	27	21
	12:15	22	*
	12:20	22	*
	12:25	*	*
	12:30	26	*
	12:35	22	*
	12:40	22	*
	12:45	*	20
	12:50	*	20
	12:55	28	*
	13:00	22	*
	13:05	22	*
	13:10	22	*
	13:15	22	*
	13:20	22	*
	13:25	*	*
	13:30	22	20
	13:35	24	*
	13:40	22	*
	13:45	22	*
	13:50	22	*
	13:55	*	21
	14:00	*	19
	14:05	*	19
	14:10	*	19
	14:15	*	*
	14:20	*	19
	14:25	*	22
	14:30	*	19
	14:35	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:40	*	19
	14:45	*	19
	14:50	*	*
	14:55	*	*
	15:00	*	23
	15:05	*	19
	15:10	*	19
	15:15	*	19
	15:20	*	19
	15:25	*	*
	15:30	41	*
	15:35	22	*
	15:40	22	*
	15:45	22	*
	15:50	22	*
	15:55	22	*
	16:00	*	22
	16:05	*	*
	16:10	30	*
	16:15	*	*
	16:20	22	*
	16:25	25	*
	16:30	22	*
	16:35	22	*
	16:40	22	*
	16:45	*	23
	16:50	*	*
	16:55	29	*
	17:00	22	*
	17:05	22	*
	17:10	22	*
	17:15	22	*
	17:20	22	*
	17:25	*	21
	17:30	*	*
	17:35	25	*
	17:40	24	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:45	22	*
	17:50	22	*
	17:55	22	*
	18:00	22	*
	18:05	*	21
	18:10	*	*
	18:15	30	*
	18:20	22	*
	18:25	22	*
	18:30	22	*
	18:35	22	*
	18:40	22	*
	18:45	*	21
	18:50	22	*
	18:55	25	*
	19:00	*	*
	19:05	26	*
	19:10	22	*
	19:15	22	*
	19:20	22	*
	19:25	*	21
	19:30	*	21
	19:35	29	*
	19:40	22	*
	19:45	22	*
	19:50	22	*
	19:55	22	*
	20:00	22	*
	20:05	*	21
	20:10	*	*
	20:15	28	*
	20:20	22	*
	20:25	22	*
	20:30	22	*
	20:35	22	*
	20:40	22	*
	20:45	*	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:50	22	*
	20:55	25	*
	21:00	22	*
	21:05	22	*
	21:10	22	*
	21:15	*	20
	21:20	*	20
	21:25	23	*
	21:30	23	*
	21:35	*	*
	21:40	24	*
	21:45	22	*
	21:50	22	*
	21:55	22	*
	22:00	*	19
	22:05	*	*
	22:10	28	*
	22:15	22	*
	22:20	22	*
	22:25	22	*
	22:30	22	*
	22:35	22	*
	22:40	*	21
	22:45	*	*
	22:50	27	*
	22:55	22	*
	23:00	22	*
	23:05	22	*
	23:10	22	*
	23:15	*	*
	23:20	*	21
	23:25	22	*
	23:30	23	*
	23:35	22	*
	23:40	22	*
	23:45	22	*
	23:50	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:55	*	19
2/19/2014	0:00	*	21
	0:05	29	*
	0:10	23	*
	0:15	*	*
	0:20	24	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	*	24
	0:45	22	*
	0:50	25	*
	0:55	22	*
	1:00	22	*
	1:05	22	*
	1:10	22	*
	1:15	*	20
	1:20	*	21
	1:25	23	*
	1:30	23	*
	1:35	22	*
	1:40	22	*
	1:45	22	*
	1:50	22	*
	1:55	*	19
	2:00	*	20
	2:05	29	*
	2:10	22	*
	2:15	22	*
	2:20	22	*
	2:25	*	*
	2:30	*	21
	2:35	*	19
	2:40	*	19
	2:45	*	19
	2:50	*	20
	2:55	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:00	23	*
	3:05	*	*
	3:10	24	*
	3:15	22	*
	3:20	22	*
	3:25	22	*
	3:30	*	26
	3:35	*	20
	3:40	26	*
	3:45	22	*
	3:50	22	*
	3:55	22	*
	4:00	22	*
	4:05	*	*
	4:10	*	22
	4:15	23	*
	4:20	23	*
	4:25	22	*
	4:30	22	*
	4:35	22	*
	4:40	22	*
	4:45	*	19
	4:50	*	21
	4:55	26	*
	5:00	22	*
	5:05	22	*
	5:10	22	*
	5:15	22	*
	5:20	22	*
	5:25	*	21
	5:30	*	*
	5:35	28	*
	5:40	*	*
	5:45	23	*
	5:50	22	*
	5:55	22	*
	6:00	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:05	*	20
	6:10	*	23
	6:15	26	*
	6:20	23	*
	6:25	22	*
	6:30	22	*
	6:35	22	*
	6:40	22	*
	6:45	*	20
	6:50	*	20
	6:55	29	*
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	22	*
	7:20	22	*
	7:25	*	*
	7:30	23	*
	7:35	25	*
	7:40	22	*
	7:45	22	*
	7:50	22	*
	7:55	22	*
	8:00	*	*
	8:05	*	*
	8:10	*	*
	8:15	*	*
	8:20	26	*
	8:25	22	*
	8:30	22	*
	8:35	22	*
	8:40	22	*
	8:45	*	*
	8:50	*	25
	8:55	22	*
	9:00	22	*
	9:05	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:10	22	*
	9:15	22	*
	9:20	22	*
	9:25	*	*
	9:30	*	*
	9:35	29	34
	9:40	22	20
	9:45	22	*
	9:50	22	*
	9:55	22	*
	10:00	*	*
	10:05	*	*
	10:10	22	*
	10:15	23	21
	10:20	22	*
	10:25	22	*
	10:30	22	*
	10:35	22	*
	10:40	*	*
	10:45	*	*
	10:50	29	*
	10:55	22	*
	11:00	22	19
	11:05	22	*
	11:10	22	*
	11:15	22	*
	11:20	*	22
	11:25	23	*
	11:30	24	*
	11:35	*	*
	11:40	23	*
	11:45	22	*
	11:50	22	*
	11:55	22	*
	12:00	*	23
	12:05	*	*
	12:10	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:15	22	*
	12:20	22	*
	12:25	22	*
	12:30	22	*
	12:35	22	*
	12:40	*	*
	12:45	*	26
	12:50	27	*
	12:55	22	*
	13:00	22	*
	13:05	22	*
	13:10	22	*
	13:15	*	*
	13:20	*	*
	13:25	22	*
	13:30	24	*
	13:35	22	*
	13:40	22	*
	13:45	22	*
	13:50	22	*
	13:55	*	*
	14:00	23	*
	14:05	25	*
	14:10	22	*
	14:15	22	*
	14:20	22	*
	14:25	22	*
	14:30	*	*
	14:35	*	*
	14:40	25	*
	14:45	22	*
	14:50	22	*
	14:55	22	*
	15:00	22	*
	15:05	22	*
	15:10	*	*
	15:15	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:20	27	*
	15:25	22	*
	15:30	22	*
	15:35	22	*
	15:40	22	*
	15:45	22	*
	15:50	*	*
	15:55	23	*
	16:00	24	*
	16:05	22	*
	16:10	22	*
	16:15	22	*
	16:20	22	*
	16:25	*	*
	16:30	*	*
	16:35	25	*
	16:40	23	*
	16:45	22	*
	16:50	22	*
	16:55	22	*
	17:00	22	*
	17:05	*	29
	17:10	*	22
	17:15	31	*
	17:20	22	*
	17:25	22	*
	17:30	22	*
	17:35	22	*
	17:40	22	*
	17:45	*	21
	17:50	*	*
	17:55	23	*
	18:00	*	*
	18:05	25	*
	18:10	22	*
	18:15	22	*
	18:20	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:25	22	*
	18:30	*	22
	18:35	*	21
	18:40	30	*
	18:45	22	*
	18:50	22	*
	18:55	22	*
	19:00	22	*
	19:05	22	*
	19:10	*	22
	19:15	23	*
	19:20	25	*
	19:25	22	*
	19:30	22	*
	19:35	22	*
	19:40	22	*
	19:45	*	*
	19:50	*	22
	19:55	25	*
	20:00	23	*
	20:05	22	*
	20:10	22	*
	20:15	22	*
	20:20	22	*
	20:25	*	20
	20:30	*	20
	20:35	30	*
	20:40	22	*
	20:45	22	*
	20:50	22	*
	20:55	22	*
	21:00	22	*
	21:05	*	20
	21:10	23	*
	21:15	28	*
	21:20	22	*
	21:25	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:30	22	*
	21:35	22	*
	21:40	*	*
	21:45	*	21
	21:50	23	*
	21:55	23	*
	22:00	22	*
	22:05	22	*
	22:10	22	*
	22:15	22	*
	22:20	*	20
	22:25	*	19
	22:30	33	*
	22:35	23	*
	22:40	22	*
	22:45	22	*
	22:50	22	*
	22:55	22	*
	23:00	*	19
	23:05	*	20
	23:10	29	*
	23:15	*	*
	23:20	23	*
	23:25	23	*
	23:30	22	*
	23:35	*	*
	23:40	*	28
	23:45	*	19
	23:50	*	19
	23:55	*	19
2/20/2014	0:00	*	19
	0:05	*	*
	0:10	*	*
	0:15	*	19
	0:20	*	24
	0:25	*	19
	0:30	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:35	*	19
	0:40	*	19
	0:45	*	*
	0:50	*	*
	0:55	31	*
	1:00	22	*
	1:05	22	*
	1:10	22	*
	1:15	22	*
	1:20	*	*
	1:25	*	26
	1:30	23	*
	1:35	25	*
	1:40	22	*
	1:45	22	*
	1:50	22	*
	1:55	22	*
	2:00	*	19
	2:05	*	*
	2:10	26	*
	2:15	23	*
	2:20	22	*
	2:25	22	*
	2:30	22	*
	2:35	22	*
	2:40	*	20
	2:45	*	19
	2:50	29	*
	2:55	22	*
	3:00	22	*
	3:05	22	*
	3:10	22	*
	3:15	22	*
	3:20	*	21
	3:25	23	*
	3:30	25	*
	3:35	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:40	22	*
	3:45	22	*
	3:50	22	*
	3:55	*	19
	4:00	*	20
	4:05	23	*
	4:10	23	*
	4:15	22	*
	4:20	*	*
	4:25	24	*
	4:30	22	*
	4:35	22	*
	4:40	*	19
	4:45	23	*
	4:50	24	*
	4:55	22	*
	5:00	22	*
	5:05	22	*
	5:10	22	*
	5:15	*	*
	5:20	*	21
	5:25	24	19
	5:30	23	*
	5:35	26	*
	5:40	22	*
	5:45	22	*
	5:50	22	*
	5:55	22	*
	6:00	*	21
	6:05	*	*
	6:10	27	*
	6:15	22	*
	6:20	22	*
	6:25	22	*
	6:30	22	*
	6:35	*	*
	6:40	*	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:45	23	*
	6:50	*	*
	6:55	24	*
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	22	*
	7:20	*	19
	7:25	23	*
	7:30	25	*
	7:35	22	*
	7:40	22	*
	7:45	22	*
	7:50	22	*
	7:55	*	19
	8:00	*	21
	8:05	23	19
	8:10	*	*
	8:15	24	*
	8:20	22	*
	8:25	22	*
	8:30	22	*
	8:35	22	*
	8:40	*	20
	8:45	23	*
	8:50	23	*
	8:55	22	*
	9:00	22	*
	9:05	22	*
	9:10	22	*
	9:15	*	19
	9:20	*	20
	9:25	28	*
	9:30	22	*
	9:35	22	*
	9:40	22	*
	9:45	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:50	22	*
	9:55	*	*
	10:00	*	*
	10:05	27	*
	10:10	*	*
	10:15	22	*
	10:20	23	*
	10:25	22	*
	10:30	22	*
	10:35	*	*
	10:40	*	23
	10:45	26	19
	10:50	*	*
	10:55	25	20
	11:00	22	*
	11:05	23	*
	11:10	22	*
	11:15	22	*
	11:20	*	*
	11:25	*	21
	11:30	*	*
	11:35	26	*
	11:40	22	*
	11:45	22	*
	11:50	22	*
	11:55	22	*
	12:00	*	*
	12:05	*	*
	12:10	23	*
	12:15	*	20
	12:20	*	20
	12:25	107	*
	12:30	*	*
	12:35	*	*
	12:40	33	*
	12:45	22	*
	12:50	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:55	22	*
	13:00	*	*
	13:05	*	24
	13:10	33	*
	13:15	23	*
	13:20	22	*
	13:25	22	*
	13:30	22	*
	13:35	22	*
	13:40	*	20
	13:45	*	20
	13:50	29	*
	13:55	22	*
	14:00	22	*
	14:05	22	*
	14:10	22	*
	14:15	22	*
	14:20	*	20
	14:25	23	19
	14:30	*	*
	14:35	28	*
	14:40	22	*
	14:45	22	*
	14:50	22	*
	14:55	22	*
	15:00	*	*
	15:05	*	20
	15:10	29	*
	15:15	22	*
	15:20	22	*
	15:25	22	*
	15:30	22	*
	15:35	22	*
	15:40	*	*
	15:45	*	*
	15:50	29	23
	15:55	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:00	22	*
	16:05	22	*
	16:10	22	*
	16:15	*	19
	16:20	*	20
	16:25	26	*
	16:30	22	*
	16:35	22	*
	16:40	22	*
	16:45	22	*
	16:50	22	*
	16:55	*	20
	17:00	*	19
	17:05	28	*
	17:10	22	*
	17:15	22	*
	17:20	22	*
	17:25	22	*
	17:30	22	*
	17:35	*	21
	17:40	*	*
	17:45	27	*
	17:50	22	*
	17:55	22	*
	18:00	22	*
	18:05	22	*
	18:10	*	19
	18:15	*	20
	18:20	23	*
	18:25	23	*
	18:30	*	*
	18:35	26	*
	18:40	22	*
	18:45	22	*
	18:50	22	*
	18:55	*	19
	19:00	*	22

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:05	24	*
	19:10	23	*
	19:15	22	*
	19:20	22	*
	19:25	22	*
	19:30	22	*
	19:35	*	20
	19:40	*	19
	19:45	28	*
	19:50	22	*
	19:55	22	*
	20:00	22	*
	20:05	22	*
	20:10	22	*
	20:15	*	20
	20:20	*	*
	20:25	25	*
	20:30	22	*
	20:35	22	*
	20:40	22	*
	20:45	22	*
	20:50	*	*
	20:55	*	19
	21:00	23	*
	21:05	23	*
	21:10	22	*
	21:15	22	*
	21:20	22	*
	21:25	22	*
	21:30	*	*
	21:35	*	23
	21:40	28	*
	21:45	22	*
	21:50	22	*
	21:55	22	*
	22:00	22	*
	22:05	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:10	*	19
	22:15	*	19
	22:20	30	*
	22:25	22	*
	22:30	22	*
	22:35	22	*
	22:40	22	*
	22:45	22	*
	22:50	*	21
	22:55	24	*
	23:00	25	*
	23:05	22	*
	23:10	22	*
	23:15	22	*
	23:20	22	*
	23:25	*	*
	23:30	*	19
	23:35	26	*
	23:40	23	*
	23:45	22	*
	23:50	22	*
	23:55	22	*
2/21/2014	0:00	22	*
	0:05	*	20
	0:10	*	19
	0:15	28	*
	0:20	22	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	22	*
	0:45	*	19
	0:50	*	*
	0:55	27	*
	1:00	22	*
	1:05	22	*
	1:10	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:15	22	*
	1:20	*	*
	1:25	*	21
	1:30	24	*
	1:35	23	*
	1:40	22	*
	1:45	22	*
	1:50	22	*
	1:55	22	*
	2:00	*	*
	2:05	*	19
	2:10	27	*
	2:15	22	*
	2:20	22	*
	2:25	22	*
	2:30	22	*
	2:35	22	*
	2:40	*	20
	2:45	*	19
	2:50	28	*
	2:55	22	*
	3:00	22	*
	3:05	22	*
	3:10	22	*
	3:15	22	*
	3:20	*	21
	3:25	23	*
	3:30	24	*
	3:35	*	*
	3:40	24	*
	3:45	22	*
	3:50	22	*
	3:55	22	*
	4:00	*	19
	4:05	*	21
	4:10	25	*
	4:15	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:20	22	*
	4:25	22	*
	4:30	22	*
	4:35	22	*
	4:40	*	19
	4:45	*	19
	4:50	29	*
	4:55	22	*
	5:00	22	*
	5:05	22	*
	5:10	22	*
	5:15	22	*
	5:20	*	19
	5:25	24	*
	5:30	25	*
	5:35	22	*
	5:40	22	*
	5:45	22	*
	5:50	22	*
	5:55	*	*
	6:00	*	21
	6:05	23	*
	6:10	23	*
	6:15	22	*
	6:20	22	*
	6:25	22	*
	6:30	22	*
	6:35	*	*
	6:40	*	23
	6:45	28	*
	6:50	22	*
	6:55	22	*
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	*	21
	7:20	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:25	27	*
	7:30	22	*
	7:35	22	*
	7:40	22	*
	7:45	22	*
	7:50	22	*
	7:55	*	21
	8:00	23	*
	8:05	24	*
	8:10	22	*
	8:15	22	*
	8:20	22	*
	8:25	22	*
	8:30	*	*
	8:35	*	*
	8:40	24	*
	8:45	22	*
	8:50	22	*
	8:55	22	*
	9:00	22	*
	9:05	22	*
	9:10	*	*
	9:15	*	*
	9:20	24	*
	9:25	22	*
	9:30	22	*
	9:35	22	*
	9:40	22	*
	9:45	*	*
	9:50	*	*
	9:55	25	*
	10:00	22	*
	10:05	22	*
	10:10	22	*
	10:15	22	*
	10:20	*	*
	10:25	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:30	26	*
	10:35	22	*
	10:40	22	*
	10:45	22	*
	10:50	22	*
	10:55	22	*
	11:00	*	*
	11:05	29	*
	11:10	22	*
	11:15	22	*
	11:20	22	*
	11:25	22	*
	11:30	22	*
	11:35	*	*
	11:40	*	*
	11:45	26	*
	11:50	22	*
	11:55	22	*
	12:00	22	*
	12:05	22	*
	12:10	*	*
	12:15	*	*
	12:20	29	*
	12:25	22	*
	12:30	22	*
	12:35	22	*
	12:40	22	*
	12:45	22	*
	12:50	*	*
	12:55	24	*
	13:00	22	*
	13:05	22	*
	13:10	22	*
	13:15	*	25
	13:20	*	*
	13:25	*	*
	13:30	*	23

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:35	*	20
	13:40	*	19
	13:45	*	18
	13:50	*	18
	13:55	*	18
	14:00	*	*
	14:05	*	21
	14:10	*	20
	14:15	*	19
	14:20	*	18
	14:25	*	18
	14:30	*	18
	14:35	*	*
	14:40	*	19
	14:45	*	20
	14:50	*	19
	14:55	*	19
	15:00	*	18
	15:05	*	18
	15:10	36	*
	15:15	22	*
	15:20	*	*
	15:25	28	*
	15:30	22	*
	15:35	21	*
	15:40	21	*
	15:45	*	*
	15:50	23	*
	15:55	26	*
	16:00	21	*
	16:05	21	*
	16:10	21	*
	16:15	21	*
	16:20	*	24
	16:25	*	20
	16:30	22	*
	16:35	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:40	21	*
	16:45	21	*
	16:50	21	*
	16:55	21	*
	17:00	*	20
	17:05	*	19
	17:10	27	*
	17:15	22	*
	17:20	21	*
	17:25	21	*
	17:30	21	*
	17:35	22	*
	17:40	*	19
	17:45	*	*
	17:50	26	*
	17:55	22	*
	18:00	22	*
	18:05	22	*
	18:10	22	*
	18:15	*	*
	18:20	*	19
	18:25	22	*
	18:30	22	*
	18:35	*	*
	18:40	25	*
	18:45	22	*
	18:50	22	*
	18:55	22	*
	19:00	*	20
	19:05	*	*
	19:10	27	*
	19:15	22	*
	19:20	22	*
	19:25	22	*
	19:30	22	*
	19:35	22	*
	19:40	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:45	22	*
	19:50	23	*
	19:55	22	*
	20:00	22	*
	20:05	22	*
	20:10	22	*
	20:15	*	*
	20:20	*	19
	20:25	26	*
	20:30	22	*
	20:35	22	*
	20:40	22	*
	20:45	22	*
	20:50	22	*
	20:55	*	20
	21:00	*	20
	21:05	28	*
	21:10	22	*
	21:15	22	*
	21:20	22	*
	21:25	22	*
	21:30	22	*
	21:35	*	19
	21:40	*	20
	21:45	*	*
	21:50	*	20
	21:55	62	*
	22:00	*	*
	22:05	23	*
	22:10	24	*
	22:15	22	*
	22:20	22	*
	22:25	22	*
	22:30	*	21
	22:35	23	*
	22:40	24	*
	22:45	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:50	22	*
	22:55	22	*
	23:00	22	*
	23:05	*	*
	23:10	*	21
	23:15	26	*
	23:20	23	*
	23:25	22	*
	23:30	22	*
	23:35	22	*
	23:40	22	*
	23:45	*	*
	23:50	*	*
	23:55	30	*
2/22/2014	0:00	22	*
	0:05	22	*
	0:10	22	*
	0:15	22	*
	0:20	22	*
	0:25	*	21
	0:30	*	*
	0:35	26	*
	0:40	22	*
	0:45	22	*
	0:50	22	*
	0:55	22	*
	1:00	*	*
	1:05	*	20
	1:10	23	*
	1:15	23	*
	1:20	*	*
	1:25	25	*
	1:30	22	*
	1:35	22	*
	1:40	22	*
	1:45	*	*
	1:50	*	22

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:55	26	*
	2:00	22	*
	2:05	22	*
	2:10	22	*
	2:15	22	*
	2:20	22	*
	2:25	*	21
	2:30	*	19
	2:35	27	*
	2:40	22	*
	2:45	22	*
	2:50	22	*
	2:55	22	*
	3:00	22	*
	3:05	*	20
	3:10	23	*
	3:15	23	*
	3:20	22	*
	3:25	22	*
	3:30	22	*
	3:35	22	*
	3:40	*	19
	3:45	*	20
	3:50	26	*
	3:55	22	*
	4:00	22	*
	4:05	22	*
	4:10	22	*
	4:15	22	*
	4:20	*	*
	4:25	*	20
	4:30	28	*
	4:35	22	*
	4:40	22	*
	4:45	22	*
	4:50	22	*
	4:55	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:00	*	*
	5:05	23	*
	5:10	24	*
	5:15	22	*
	5:20	22	*
	5:25	22	*
	5:30	22	*
	5:35	*	21
	5:40	*	20
	5:45	23	*
	5:50	23	*
	5:55	22	*
	6:00	22	*
	6:05	22	*
	6:10	22	*
	6:15	*	19
	6:20	*	19
	6:25	27	*
	6:30	22	*
	6:35	22	*
	6:40	22	*
	6:45	22	*
	6:50	22	*
	6:55	*	20
	7:00	*	*
	7:05	26	*
	7:10	22	*
	7:15	22	*
	7:20	22	*
	7:25	22	*
	7:30	*	*
	7:35	*	20
	7:40	23	*
	7:45	23	*
	7:50	*	*
	7:55	24	*
	8:00	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:05	22	*
	8:10	22	*
	8:15	*	*
	8:20	*	19
	8:25	28	20
	8:30	22	*
	8:35	22	*
	8:40	22	*
	8:45	22	*
	8:50	22	*
	8:55	*	*
	9:00	*	20
	9:05	*	*
	9:10	23	*
	9:15	23	*
	9:20	22	*
	9:25	22	*
	9:30	22	*
	9:35	*	19
	9:40	*	20
	9:45	27	*
	9:50	22	*
	9:55	22	*
	10:00	22	*
	10:05	22	*
	10:10	22	*
	10:15	*	19
	10:20	*	20
	10:25	28	*
	10:30	*	*
	10:35	23	*
	10:40	23	*
	10:45	22	*
	10:50	22	*
	10:55	22	*
	11:00	*	*
	11:05	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:10	26	23
	11:15	22	19
	11:20	*	*
	11:25	25	*
	11:30	22	*
	11:35	22	*
	11:40	*	*
	11:45	*	*
	11:50	26	*
	11:55	22	*
	12:00	22	*
	12:05	22	*
	12:10	22	*
	12:15	22	*
	12:20	*	*
	12:25	*	*
	12:30	28	*
	12:35	22	20
	12:40	22	20
	12:45	22	*
	12:50	22	*
	12:55	22	*
	13:00	*	20
	13:05	*	*
	13:10	25	*
	13:15	*	*
	13:20	23	*
	13:25	22	*
	13:30	22	*
	13:35	22	*
	13:40	*	20
	13:45	*	22
	13:50	25	19
	13:55	23	*
	14:00	23	*
	14:05	22	*
	14:10	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:15	22	*
	14:20	22	19
	14:25	*	20
	14:30	23	19
	14:35	24	*
	14:40	23	*
	14:45	22	*
	14:50	22	*
	14:55	22	*
	15:00	22	*
	15:05	*	*
	15:10	*	20
	15:15	26	*
	15:20	22	*
	15:25	*	*
	15:30	24	*
	15:35	22	*
	15:40	22	*
	15:45	22	*
	15:50	*	23
	15:55	23	*
	16:00	23	*
	16:05	22	*
	16:10	22	*
	16:15	22	*
	16:20	22	*
	16:25	*	*
	16:30	*	20
	16:35	26	19
	16:40	22	*
	16:45	22	*
	16:50	22	*
	16:55	22	*
	17:00	22	*
	17:05	*	19
	17:10	*	20
	17:15	27	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:20	22	*
	17:25	22	*
	17:30	22	*
	17:35	22	*
	17:40	22	*
	17:45	*	19
	17:50	23	*
	17:55	25	*
	18:00	*	*
	18:05	23	*
	18:10	22	*
	18:15	22	*
	18:20	22	*
	18:25	*	*
	18:30	*	22
	18:35	27	*
	18:40	22	*
	18:45	22	*
	18:50	22	*
	18:55	22	*
	19:00	22	*
	19:05	*	21
	19:10	*	*
	19:15	27	*
	19:20	22	*
	19:25	22	*
	19:30	22	*
	19:35	22	*
	19:40	22	19
	19:45	*	20
	19:50	*	19
	19:55	26	*
	20:00	22	*
	20:05	22	*
	20:10	22	*
	20:15	22	*
	20:20	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:25	*	19
	20:30	23	*
	20:35	24	*
	20:40	22	*
	20:45	22	*
	20:50	22	*
	20:55	22	*
	21:00	*	*
	21:05	*	22
	21:10	24	*
	21:15	22	*
	21:20	22	*
	21:25	22	*
	21:30	22	*
	21:35	22	*
	21:40	*	19
	21:45	*	19
	21:50	30	*
	21:55	22	*
	22:00	22	*
	22:05	22	*
	22:10	22	*
	22:15	22	*
	22:20	*	20
	22:25	23	*
	22:30	25	*
	22:35	22	*
	22:40	22	*
	22:45	22	*
	22:50	22	*
	22:55	*	*
	23:00	*	20
	23:05	*	*
	23:10	25	*
	23:15	22	*
	23:20	*	*
	23:25	*	26

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:30	*	19
	23:35	*	19
	23:40	*	18
	23:45	*	18
	23:50	*	19
	23:55	*	*
2/23/2014	0:00	*	19
	0:05	*	23
	0:10	*	19
	0:15	*	19
	0:20	*	19
	0:25	*	19
	0:30	*	*
	0:35	*	*
	0:40	28	*
	0:45	24	*
	0:50	22	*
	0:55	22	*
	1:00	22	*
	1:05	*	*
	1:10	*	23
	1:15	24	*
	1:20	25	*
	1:25	22	*
	1:30	22	*
	1:35	22	*
	1:40	22	*
	1:45	*	19
	1:50	*	21
	1:55	29	*
	2:00	22	*
	2:05	22	*
	2:10	22	*
	2:15	22	*
	2:20	22	*
	2:25	*	20
	2:30	*	19

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:35	28	*
	2:40	22	*
	2:45	22	*
	2:50	22	*
	2:55	22	*
	3:00	22	*
	3:05	*	19
	3:10	23	*
	3:15	25	*
	3:20	22	*
	3:25	22	*
	3:30	22	*
	3:35	22	*
	3:40	*	*
	3:45	*	21
	3:50	23	*
	3:55	23	*
	4:00	22	*
	4:05	22	*
	4:10	22	*
	4:15	22	*
	4:20	*	*
	4:25	*	23
	4:30	28	*
	4:35	22	*
	4:40	22	*
	4:45	22	*
	4:50	22	*
	4:55	22	*
	5:00	*	19
	5:05	*	19
	5:10	30	*
	5:15	22	*
	5:20	22	*
	5:25	22	*
	5:30	22	*
	5:35	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:40	*	21
	5:45	23	*
	5:50	24	*
	5:55	22	*
	6:00	22	*
	6:05	22	*
	6:10	22	*
	6:15	*	19
	6:20	*	20
	6:25	24	*
	6:30	22	*
	6:35	22	*
	6:40	22	*
	6:45	22	*
	6:50	22	*
	6:55	*	19
	7:00	*	21
	7:05	29	*
	7:10	*	*
	7:15	*	*
	7:20	*	22
	7:25	22	19
	7:30	*	19
	7:35	*	19
	7:40	31	*
	7:45	22	*
	7:50	22	*
	7:55	22	*
	8:00	22	*
	8:05	22	*
	8:10	*	21
	8:15	23	19
	8:20	*	*
	8:25	26	*
	8:30	22	*
	8:35	22	*
	8:40	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:45	22	*
	8:50	*	*
	8:55	*	20
	9:00	27	*
	9:05	22	*
	9:10	22	*
	9:15	22	*
	9:20	22	*
	9:25	22	*
	9:30	*	20
	9:35	*	22
	9:40	*	*
	9:45	25	*
	9:50	22	*
	9:55	22	*
	10:00	22	*
	10:05	22	*
	10:10	*	*
	10:15	*	21
	10:20	25	*
	10:25	23	*
	10:30	22	*
	10:35	22	*
	10:40	22	*
	10:45	22	*
	10:50	*	19
	10:55	*	20
	11:00	32	*
	11:05	22	*
	11:10	22	*
	11:15	22	*
	11:20	22	*
	11:25	22	*
	11:30	*	*
	11:35	23	*
	11:40	25	*
	11:45	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:50	22	*
	11:55	22	*
	12:00	22	*
	12:05	*	*
	12:10	*	*
	12:15	23	*
	12:20	23	*
	12:25	22	*
	12:30	22	*
	12:35	22	*
	12:40	22	*
	12:45	*	26
	12:50	*	19
	12:55	26	*
	13:00	22	*
	13:05	22	*
	13:10	22	*
	13:15	22	*
	13:20	22	*
	13:25	*	*
	13:30	*	20
	13:35	27	*
	13:40	22	*
	13:45	22	*
	13:50	22	*
	13:55	22	*
	14:00	22	*
	14:05	*	*
	14:10	23	*
	14:15	25	*
	14:20	22	*
	14:25	22	*
	14:30	22	*
	14:35	22	*
	14:40	*	*
	14:45	*	22
	14:50	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:55	22	*
	15:00	22	*
	15:05	22	*
	15:10	22	*
	15:15	22	*
	15:20	*	19
	15:25	*	20
	15:30	30	*
	15:35	22	20
	15:40	22	*
	15:45	22	*
	15:50	22	*
	15:55	22	*
	16:00	*	22
	16:05	*	*
	16:10	25	*
	16:15	22	*
	16:20	22	*
	16:25	22	*
	16:30	22	*
	16:35	*	*
	16:40	*	21
	16:45	23	*
	16:50	23	*
	16:55	22	*
	17:00	22	*
	17:05	22	*
	17:10	22	*
	17:15	*	19
	17:20	*	20
	17:25	26	*
	17:30	22	*
	17:35	22	*
	17:40	22	*
	17:45	22	*
	17:50	22	*
	17:55	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:00	*	*
	18:05	28	*
	18:10	22	*
	18:15	22	*
	18:20	22	*
	18:25	22	*
	18:30	22	*
	18:35	*	22
	18:40	23	*
	18:45	23	*
	18:50	22	*
	18:55	22	*
	19:00	22	*
	19:05	22	*
	19:10	*	20
	19:15	*	20
	19:20	24	*
	19:25	23	*
	19:30	*	*
	19:35	23	*
	19:40	22	*
	19:45	22	*
	19:50	22	*
	19:55	*	24
	20:00	*	20
	20:05	26	*
	20:10	22	*
	20:15	22	*
	20:20	22	*
	20:25	22	*
	20:30	*	*
	20:35	*	21
	20:40	*	*
	20:45	26	*
	20:50	22	*
	20:55	22	*
	21:00	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:05	22	*
	21:10	22	*
	21:15	*	22
	21:20	*	19
	21:25	26	*
	21:30	22	*
	21:35	*	*
	21:40	23	*
	21:45	22	*
	21:50	22	*
	21:55	22	*
	22:00	*	25
	22:05	23	19
	22:10	26	*
	22:15	22	*
	22:20	22	*
	22:25	22	*
	22:30	22	*
	22:35	*	19
	22:40	*	21
	22:45	23	*
	22:50	*	*
	22:55	24	*
	23:00	22	*
	23:05	22	*
	23:10	22	*
	23:15	22	*
	23:20	*	20
	23:25	*	21
	23:30	*	*
	23:35	26	*
	23:40	22	*
	23:45	22	*
	23:50	22	*
	23:55	22	*
2/24/2014	0:00	22	*
	0:05	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:10	*	22
	0:15	24	*
	0:20	22	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	22	*
	0:45	*	20
	0:50	*	22
	0:55	30	*
	1:00	22	*
	1:05	22	*
	1:10	22	*
	1:15	22	*
	1:20	22	*
	1:25	*	*
	1:30	23	21
	1:35	25	19
	1:40	22	*
	1:45	23	*
	1:50	22	*
	1:55	22	*
	2:00	22	*
	2:05	*	19
	2:10	*	20
	2:15	26	*
	2:20	22	*
	2:25	22	*
	2:30	22	*
	2:35	22	*
	2:40	22	*
	2:45	*	21
	2:50	*	*
	2:55	27	*
	3:00	22	*
	3:05	*	*
	3:10	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:15	22	*
	3:20	22	*
	3:25	*	*
	3:30	*	24
	3:35	24	*
	3:40	22	*
	3:45	22	*
	3:50	22	*
	3:55	22	*
	4:00	22	*
	4:05	*	20
	4:10	*	20
	4:15	28	*
	4:20	22	*
	4:25	22	*
	4:30	22	*
	4:35	22	*
	4:40	22	*
	4:45	*	23
	4:50	23	*
	4:55	25	*
	5:00	22	*
	5:05	22	*
	5:10	22	*
	5:15	22	*
	5:20	*	*
	5:25	*	22
	5:30	23	*
	5:35	23	*
	5:40	*	*
	5:45	24	*
	5:50	22	*
	5:55	22	*
	6:00	22	*
	6:05	*	21
	6:10	*	22
	6:15	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:20	22	*
	6:25	22	*
	6:30	22	*
	6:35	22	*
	6:40	22	*
	6:45	*	23
	6:50	23	*
	6:55	24	*
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	22	*
	7:20	*	20
	7:25	*	21
	7:30	24	*
	7:35	23	*
	7:40	22	*
	7:45	22	*
	7:50	22	*
	7:55	22	*
	8:00	*	20
	8:05	*	21
	8:10	31	*
	8:15	*	*
	8:20	22	*
	8:25	22	*
	8:30	22	*
	8:35	22	*
	8:40	22	*
	8:45	*	*
	8:50	22	28
	8:55	23	20
	9:00	22	*
	9:05	22	*
	9:10	22	*
	9:15	22	*
	9:20	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:25	*	21
	9:30	28	*
	9:35	22	*
	9:40	22	*
	9:45	22	*
	9:50	22	*
	9:55	22	*
	10:00	*	*
	10:05	*	22
	10:10	*	20
	10:15	*	*
	10:20	*	*
	10:25	*	20
	10:30	*	21
	10:35	*	19
	10:40	*	19
	10:45	*	19
	10:50	*	19
	10:55	*	*
	11:00	*	*
	11:05	*	24
	11:10	*	19
	11:15	*	19
	11:20	*	19
	11:25	*	*
	11:30	31	*
	11:35	24	*
	11:40	23	*
	11:45	22	*
	11:50	22	*
	11:55	22	*
	12:00	*	*
	12:05	*	21
	12:10	31	22
	12:15	22	*
	12:20	22	*
	12:25	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:30	23	*
	12:35	22	*
	12:40	22	*
	12:45	*	24
	12:50	23	*
	12:55	24	*
	13:00	22	*
	13:05	22	*
	13:10	22	*
	13:15	22	*
	13:20	*	*
	13:25	*	23
	13:30	27	*
	13:35	22	*
	13:40	22	*
	13:45	22	*
	13:50	*	*
	13:55	*	21
	14:00	23	*
	14:05	23	*
	14:10	22	*
	14:15	22	*
	14:20	22	*
	14:25	23	*
	14:30	*	*
	14:35	*	*
	14:40	28	*
	14:45	22	*
	14:50	22	*
	14:55	22	*
	15:00	22	*
	15:05	22	*
	15:10	*	*
	15:15	23	*
	15:20	24	*
	15:25	22	*
	15:30	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:35	22	*
	15:40	22	*
	15:45	*	*
	15:50	*	40
	15:55	24	*
	16:00	23	*
	16:05	22	*
	16:10	22	*
	16:15	22	*
	16:20	22	*
	16:25	*	22
	16:30	*	20
	16:35	*	*
	16:40	29	*
	16:45	22	*
	16:50	22	*
	16:55	22	*
	17:00	22	*
	17:05	*	19
	17:10	*	20
	17:15	170	*
	17:20	*	20
	17:25	29	*
	17:30	29	*
	17:35	22	*
	17:40	22	*
	17:45	22	*
	17:50	22	*
	17:55	*	*
	18:00	*	23
	18:05	23	*
	18:10	24	*
	18:15	22	*
	18:20	22	*
	18:25	22	*
	18:30	22	*
	18:35	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:40	*	19
	18:45	26	*
	18:50	22	*
	18:55	22	*
	19:00	22	*
	19:05	22	*
	19:10	22	*
	19:15	*	21
	19:20	*	19
	19:25	*	*
	19:30	29	*
	19:35	22	*
	19:40	22	*
	19:45	22	*
	19:50	22	*
	19:55	*	19
	20:00	*	20
	20:05	23	*
	20:10	23	*
	20:15	*	*
	20:20	24	*
	20:25	22	*
	20:30	22	*
	20:35	22	*
	20:40	*	20
	20:45	*	21
	20:50	29	*
	20:55	22	*
	21:00	22	*
	21:05	22	*
	21:10	22	*
	21:15	22	*
	21:20	*	20
	21:25	*	19
	21:30	28	*
	21:35	22	*
	21:40	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:45	22	*
	21:50	22	*
	21:55	22	*
	22:00	*	20
	22:05	23	*
	22:10	24	*
	22:15	22	*
	22:20	22	*
	22:25	22	*
	22:30	22	*
	22:35	*	19
	22:40	*	20
	22:45	*	*
	22:50	31	*
	22:55	*	*
	23:00	25	*
	23:05	22	*
	23:10	22	*
	23:15	22	*
	23:20	22	*
	23:25	*	23
	23:30	23	*
	23:35	25	*
	23:40	22	*
	23:45	22	*
	23:50	22	*
	23:55	22	*
2/25/2014	0:00	*	*
	0:05	*	20
	0:10	22	*
	0:15	23	*
	0:20	22	*
	0:25	22	*
	0:30	22	*
	0:35	22	*
	0:40	*	19
	0:45	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:50	28	*
	0:55	22	*
	1:00	22	*
	1:05	22	*
	1:10	22	*
	1:15	22	*
	1:20	*	21
	1:25	*	19
	1:30	27	*
	1:35	*	*
	1:40	22	*
	1:45	23	*
	1:50	22	*
	1:55	22	*
	2:00	22	*
	2:05	*	20
	2:10	*	*
	2:15	26	*
	2:20	22	*
	2:25	22	*
	2:30	22	*
	2:35	22	*
	2:40	*	*
	2:45	*	20
	2:50	23	*
	2:55	23	*
	3:00	22	*
	3:05	22	*
	3:10	22	*
	3:15	22	*
	3:20	*	19
	3:25	*	20
	3:30	26	*
	3:35	22	*
	3:40	22	*
	3:45	22	*
	3:50	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:55	22	*
	4:00	*	20
	4:05	*	19
	4:10	28	*
	4:15	*	*
	4:20	23	*
	4:25	23	*
	4:30	22	*
	4:35	22	*
	4:40	22	*
	4:45	*	22
	4:50	23	*
	4:55	24	*
	5:00	22	*
	5:05	22	*
	5:10	22	*
	5:15	22	*
	5:20	*	*
	5:25	*	20
	5:30	25	*
	5:35	23	*
	5:40	22	*
	5:45	22	*
	5:50	22	*
	5:55	22	*
	6:00	*	20
	6:05	*	20
	6:10	27	*
	6:15	22	*
	6:20	22	*
	6:25	22	*
	6:30	22	*
	6:35	22	*
	6:40	*	20
	6:45	23	*
	6:50	24	*
	6:55	22	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:00	22	*
	7:05	22	*
	7:10	22	*
	7:15	*	*
	7:20	*	21
	7:25	23	*
	7:30	23	*
	7:35	22	*
	7:40	22	*
	7:45	22	*
	7:50	22	*
	7:55	*	20
	8:00	*	21
	8:05	26	*
	8:10	22	*
	8:15	22	*
	8:20	22	*
	8:25	22	*
	8:30	22	*
	8:35	*	*
	8:40	*	22
	8:45	27	*
	8:50	22	*
	8:55	22	*
	9:00	22	*
	9:05	22	*
	9:10	22	*
	9:15	*	*
	9:20	23	*
	9:25	24	*
	9:30	22	23
	9:35	22	19
	9:40	22	*
	9:45	22	*
	9:50	*	*
	9:55	*	20
	10:00	23	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:05	23	*
	10:10	22	*
	10:15	22	*
	10:20	22	*
	10:25	22	*
	10:30	*	*
	10:35	*	21
	10:40	29	*
	10:45	22	20
	10:50	*	*
	10:55	24	*
	11:00	22	*
	11:05	*	*
	11:10	*	*
	11:15	*	*
	11:20	*	*
	11:25	*	*
	11:30	*	*
	11:35	*	*
	11:40	*	*
	11:45	*	*
	11:50	*	19
	11:55	*	*
	12:00	27	*
	12:05	22	*
	12:10	22	*
	12:15	22	*
	12:20	22	*
	12:25	22	*
	12:30	*	*
	12:35	23	21
	12:40	25	*
	12:45	22	*
	12:50	22	*
	12:55	22	*
	13:00	22	*
	13:05	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:10	*	21
	13:15	24	*
	13:20	23	*
	13:25	22	*
	13:30	24	*
	13:35	22	*
	13:40	22	*
	13:45	*	20
	13:50	*	*
	13:55	27	*
	14:00	22	*
	14:05	22	*
	14:10	22	*
	14:15	22	*
	14:20	22	*
	14:25	*	*
	14:30	23	*
	14:35	23	*
	14:40	22	*
	14:45	22	*
	14:50	22	*
	14:55	22	22
	15:00	*	19
	15:05	*	19
	15:10	*	*
	15:15	29	*
	15:20	27	*
	15:25	27	*
	15:30	27	*
	15:35	27	*
	15:40	27	*
	15:45	*	*
	15:50	31	19
	15:55	31	*
	16:00	27	*
	16:05	27	*
	16:10	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:15	28	*
	16:20	*	*
	16:25	*	19
	16:30	*	*
	16:35	34	*
	16:40	28	*
	16:45	28	*
	16:50	28	*
	16:55	28	*
	17:00	28	*
	17:05	*	26
	17:10	*	23
	17:15	33	*
	17:20	28	*
	17:25	28	*
	17:30	28	*
	17:35	28	*
	17:40	28	*
	17:45	*	25
	17:50	29	*
	17:55	30	*
	18:00	28	*
	18:05	28	*
	18:10	28	*
	18:15	28	*
	18:20	*	23
	18:25	*	24
	18:30	30	*
	18:35	29	*
	18:40	*	*
	18:45	30	*
	18:50	28	*
	18:55	28	*
	19:00	28	*
	19:05	*	23
	19:10	*	27
	19:15	35	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:20	28	*
	19:25	28	*
	19:30	28	*
	19:35	28	*
	19:40	28	*
	19:45	*	25
	19:50	*	23
	19:55	*	22
	20:00	*	22
	20:05	*	*
	20:10	*	*
	20:15	*	25
	20:20	*	23
	20:25	*	22
	20:30	*	22
	20:35	*	22
	20:40	*	22
	20:45	*	*
	20:50	*	*
	20:55	*	26
	21:00	39	*
	21:05	31	*
	21:10	29	*
	21:15	28	*
	21:20	28	*
	21:25	28	*
	21:30	*	*
	21:35	*	26
	21:40	35	*
	21:45	29	*
	21:50	28	*
	21:55	28	*
	22:00	28	*
	22:05	28	*
	22:10	*	25
	22:15	*	23
	22:20	36	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:25	28	*
	22:30	28	*
	22:35	28	*
	22:40	28	*
	22:45	28	*
	22:50	*	*
	22:55	*	25
	23:00	32	*
	23:05	28	*
	23:10	28	*
	23:15	28	*
	23:20	28	*
	23:25	28	25
	23:30	*	24
	23:35	29	*
	23:40	29	*
	23:45	28	*
	23:50	28	*
	23:55	28	*
2/26/2014	0:00	28	*
	0:05	*	23
	0:10	*	25
	0:15	33	*
	0:20	28	*
	0:25	28	*
	0:30	28	*
	0:35	28	*
	0:40	28	*
	0:45	*	25
	0:50	*	23
	0:55	37	*
	1:00	28	*
	1:05	28	*
	1:10	28	*
	1:15	28	*
	1:20	28	*
	1:25	*	25

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:30	29	*
	1:35	30	*
	1:40	28	*
	1:45	28	*
	1:50	28	*
	1:55	28	*
	2:00	*	*
	2:05	*	*
	2:10	32	26
	2:15	29	*
	2:20	28	*
	2:25	*	*
	2:30	34	*
	2:35	*	23
	2:40	*	26
	2:45	*	22
	2:50	29	*
	2:55	*	22
	3:00	*	24
	3:05	41	*
	3:10	29	*
	3:15	28	*
	3:20	28	*
	3:25	28	*
	3:30	28	*
	3:35	*	27
	3:40	*	23
	3:45	36	*
	3:50	*	*
	3:55	28	*
	4:00	28	*
	4:05	28	*
	4:10	28	*
	4:15	28	*
	4:20	*	34
	4:25	29	*
	4:30	32	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:35	28	*
	4:40	28	*
	4:45	28	*
	4:50	28	*
	4:55	*	23
	5:00	*	25
	5:05	30	*
	5:10	29	*
	5:15	28	*
	5:20	28	*
	5:25	28	*
	5:30	28	*
	5:35	*	25
	5:40	*	24
	5:45	*	*
	5:50	35	*
	5:55	28	*
	6:00	28	25
	6:05	28	*
	6:10	28	*
	6:15	28	*
	6:20	*	*
	6:25	*	*
	6:30	54	*
	6:35	29	*
	6:40	28	*
	6:45	28	*
	6:50	28	*
	6:55	28	*
	7:00	*	57
	7:05	*	27
	7:10	35	*
	7:15	28	*
	7:20	28	*
	7:25	28	*
	7:30	28	*
	7:35	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:40	*	26
	7:45	29	*
	7:50	33	*
	7:55	28	*
	8:00	28	*
	8:05	28	*
	8:10	28	*
	8:15	*	*
	8:20	*	25
	8:25	33	*
	8:30	29	*
	8:35	28	*
	8:40	28	*
	8:45	28	*
	8:50	28	*
	8:55	*	*
	9:00	*	*
	9:05	38	26
	9:10	28	*
	9:15	28	*
	9:20	*	*
	9:25	30	*
	9:30	28	*
	9:35	28	*
	9:40	*	*
	9:45	29	*
	9:50	31	*
	9:55	28	*
	10:00	28	*
	10:05	28	*
	10:10	28	*
	10:15	*	28
	10:20	*	28
	10:25	29	28
	10:30	*	*
	10:35	30	*
	10:40	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:45	28	*
	10:50	28	*
	10:55	28	*
	11:00	*	22
	11:05	*	23
	11:10	38	21
	11:15	*	*
	11:20	29	*
	11:25	28	*
	11:30	28	*
	11:35	28	*
	11:40	*	*
	11:45	*	22
	11:50	30	*
	11:55	28	*
	12:00	*	*
	12:05	*	24
	12:10	*	21
	12:15	*	20
	12:20	*	20
	12:25	*	20
	12:30	*	20
	12:35	*	*
	12:40	*	21
	12:45	*	29
	12:50	*	21
	12:55	*	20
	13:00	*	20
	13:05	*	20
	13:10	*	*
	13:15	*	*
	13:20	*	26
	13:25	*	21
	13:30	*	20
	13:35	*	20
	13:40	*	20
	13:45	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:50	*	*
	13:55	*	21
	14:00	*	30
	14:05	*	20
	14:10	*	20
	14:15	*	20
	14:20	*	*
	14:25	*	21
	14:30	*	26
	14:35	*	*
	14:40	*	*
	14:45	*	*
	14:50	*	*
	14:55	*	*
	15:00	*	*
	15:05	*	*
	15:10	*	*
	15:15	*	*
	15:20	*	*
	15:25	*	*
	15:30	*	38
	15:35	*	21
	15:40	*	21
	15:45	*	20
	15:50	*	*
	15:55	*	*
	16:00	*	*
	16:05	*	*
	16:10	*	*
	16:15	*	*
	16:20	*	33
	16:25	*	21
	16:30	*	20
	16:35	*	20
	16:40	*	20
	16:45	*	20
	16:50	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:55	*	20
	17:00	*	24
	17:05	*	20
	17:10	*	20
	17:15	*	20
	17:20	*	20
	17:25	*	*
	17:30	*	*
	17:35	*	30
	17:40	*	22
	17:45	*	20
	17:50	*	20
	17:55	*	20
	18:00	*	20
	18:05	*	*
	18:10	*	21
	18:15	*	24
	18:20	*	21
	18:25	*	20
	18:30	*	20
	18:35	*	20
	18:40	*	*
	18:45	*	*
	18:50	*	26
	18:55	*	23
	19:00	*	20
	19:05	*	20
	19:10	*	*
	19:15	*	23
	19:20	*	21
	19:25	*	*
	19:30	*	*
	19:35	*	32
	19:40	*	21
	19:45	*	21
	19:50	*	20
	19:55	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:00	*	*
	20:05	*	*
	20:10	*	21
	20:15	*	26
	20:20	*	21
	20:25	*	20
	20:30	*	20
	20:35	*	20
	20:40	*	*
	20:45	*	*
	20:50	*	30
	20:55	*	21
	21:00	*	20
	21:05	*	20
	21:10	*	20
	21:15	*	20
	21:20	*	*
	21:25	*	21
	21:30	*	26
	21:35	*	21
	21:40	*	20
	21:45	*	20
	21:50	*	20
	21:55	*	*
	22:00	*	*
	22:05	*	25
	22:10	*	22
	22:15	*	20
	22:20	*	20
	22:25	*	20
	22:30	*	20
	22:35	*	*
	22:40	*	*
	22:45	*	26
	22:50	*	*
	22:55	*	21
	23:00	*	21

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:05	*	20
	23:10	*	20
	23:15	*	20
	23:20	*	*
	23:25	*	*
	23:30	*	25
	23:35	*	22
	23:40	*	20
	23:45	*	20
	23:50	*	20
	23:55	*	20
2/27/2014	0:00	*	*
	0:05	*	*
	0:10	*	26
	0:15	*	21
	0:20	*	20
	0:25	*	20
	0:30	*	20
	0:35	*	*
	0:40	*	*
	0:45	*	22
	0:50	*	22
	0:55	*	20
	1:00	*	20
	1:05	*	20
	1:10	*	20
	1:15	*	*
	1:20	*	*
	1:25	*	29
	1:30	*	21
	1:35	*	20
	1:40	*	20
	1:45	*	20
	1:50	*	20
	1:55	*	*
	2:00	*	21
	2:05	*	36

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:10	*	21
	2:15	*	20
	2:20	*	20
	2:25	*	20
	2:30	*	*
	2:35	*	*
	2:40	*	22
	2:45	*	24
	2:50	*	20
	2:55	*	20
	3:00	*	20
	3:05	*	20
	3:10	*	*
	3:15	147	*
	3:20	*	31
	3:25	*	*
	3:30	*	21
	3:35	*	22
	3:40	*	21
	3:45	*	20
	3:50	*	20
	3:55	*	*
	4:00	*	21
	4:05	*	27
	4:10	*	21
	4:15	*	20
	4:20	*	20
	4:25	*	20
	4:30	*	*
	4:35	*	*
	4:40	*	25
	4:45	*	22
	4:50	*	21
	4:55	*	20
	5:00	*	20
	5:05	*	20
	5:10	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:15	*	*
	5:20	*	29
	5:25	*	21
	5:30	*	20
	5:35	*	20
	5:40	*	20
	5:45	*	20
	5:50	*	*
	5:55	*	*
	6:00	*	29
	6:05	*	22
	6:10	*	21
	6:15	*	20
	6:20	*	20
	6:25	*	20
	6:30	*	*
	6:35	*	21
	6:40	*	29
	6:45	*	21
	6:50	*	20
	6:55	*	20
	7:00	*	20
	7:05	*	*
	7:10	*	*
	7:15	*	24
	7:20	*	23
	7:25	*	21
	7:30	*	20
	7:35	*	20
	7:40	*	20
	7:45	*	*
	7:50	*	*
	7:55	*	28
	8:00	*	21
	8:05	*	20
	8:10	*	20
	8:15	*	20

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:20	*	20
	8:25	*	*
	8:30	*	21
	8:35	*	26
	8:40	*	21
	8:45	*	20
	8:50	*	20
	8:55	*	20
	9:00	*	*
	9:05	*	*
	9:10	*	25
	9:15	*	21
	9:20	*	20
	9:25	*	20
	9:30	*	20
	9:35	*	20
	9:40	*	*
	9:45	*	*
	9:50	*	28
	9:55	*	21
	10:00	*	20
	10:05	*	20
	10:10	*	20
	10:15	*	20
	10:20	*	*
	10:25	*	21
	10:30	*	23
	10:35	*	20
	10:40	*	20
	10:45	*	20
	10:50	*	20
	10:55	*	*
	11:00	290	*
	11:05	*	23
	11:10	45	*
	11:15	30	*
	11:20	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:25	29	*
	11:30	*	*
	11:35	*	*
	11:40	35	*
	11:45	33	*
	11:50	29	*
	11:55	28	*
	12:00	28	*
	12:05	28	*
	12:10	*	*
	12:15	*	*
	12:20	41	*
	12:25	29	*
	12:30	28	*
	12:35	28	*
	12:40	28	*
	12:45	28	*
	12:50	*	*
	12:55	31	*
	13:00	33	*
	13:05	29	*
	13:10	28	*
	13:15	28	*
	13:20	28	*
	13:25	*	*
	13:30	*	*
	13:35	30	*
	13:40	30	*
	13:45	*	*
	13:50	34	*
	13:55	28	*
	14:00	28	*
	14:05	28	*
	14:10	*	*
	14:15	*	*
	14:20	45	*
	14:25	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:30	28	*
	14:35	28	*
	14:40	28	*
	14:45	28	*
	14:50	*	*
	14:55	29	*
	15:00	42	*
	15:05	28	*
	15:10	28	*
	15:15	28	*
	15:20	28	*
	15:25	*	*
	15:30	*	*
	15:35	29	*
	15:40	32	*
	15:45	28	*
	15:50	28	*
	15:55	28	*
	16:00	28	*
	16:05	*	*
	16:10	*	*
	16:15	44	*
	16:20	29	*
	16:25	28	*
	16:30	28	*
	16:35	28	*
	16:40	28	*
	16:45	*	*
	16:50	30	*
	16:55	32	*
	17:00	28	*
	17:05	28	*
	17:10	*	*
	17:15	29	*
	17:20	30	*
	17:25	28	*
	17:30	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:35	29	*
	17:40	38	*
	17:45	28	*
	17:50	28	*
	17:55	28	*
	18:00	28	*
	18:05	*	*
	18:10	*	*
	18:15	31	*
	18:20	29	*
	18:25	28	*
	18:30	28	*
	18:35	28	*
	18:40	28	*
	18:45	*	*
	18:50	*	*
	18:55	35	*
	19:00	28	*
	19:05	28	*
	19:10	28	*
	19:15	28	*
	19:20	28	*
	19:25	*	*
	19:30	30	*
	19:35	30	*
	19:40	28	*
	19:45	28	*
	19:50	28	*
	19:55	28	*
	20:00	*	*
	20:05	30	*
	20:10	31	*
	20:15	28	*
	20:20	28	*
	20:25	28	*
	20:30	28	*
	20:35	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:40	*	*
	20:45	36	*
	20:50	28	*
	20:55	28	*
	21:00	28	*
	21:05	28	*
	21:10	28	*
	21:15	*	*
	21:20	30	*
	21:25	30	*
	21:30	28	*
	21:35	28	*
	21:40	28	*
	21:45	28	*
	21:50	*	*
	21:55	*	*
	22:00	34	*
	22:05	29	*
	22:10	28	*
	22:15	28	*
	22:20	28	*
	22:25	28	*
	22:30	*	*
	22:35	*	*
	22:40	33	*
	22:45	28	*
	22:50	28	*
	22:55	28	*
	23:00	28	*
	23:05	28	*
	23:10	*	*
	23:15	30	*
	23:20	31	*
	23:25	28	*
	23:30	28	*
	23:35	28	*
	23:40	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:45	*	*
	23:50	*	*
	23:55	30	*
2/28/2014	0:00	29	*
	0:05	28	*
	0:10	28	*
	0:15	28	*
	0:20	28	*
	0:25	*	*
	0:30	*	*
	0:35	35	*
	0:40	29	*
	0:45	28	*
	0:50	28	*
	0:55	28	*
	1:00	28	*
	1:05	*	*
	1:10	*	*
	1:15	33	*
	1:20	28	*
	1:25	28	*
	1:30	28	*
	1:35	28	*
	1:40	28	*
	1:45	*	*
	1:50	30	*
	1:55	29	*
	2:00	28	*
	2:05	28	*
	2:10	28	*
	2:15	28	*
	2:20	*	*
	2:25	*	*
	2:30	36	*
	2:35	29	*
	2:40	28	*
	2:45	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:50	28	*
	2:55	28	*
	3:00	*	*
	3:05	*	*
	3:10	33	*
	3:15	28	*
	3:20	28	*
	3:25	28	*
	3:30	28	*
	3:35	28	*
	3:40	*	*
	3:45	30	*
	3:50	30	*
	3:55	28	*
	4:00	28	*
	4:05	28	*
	4:10	28	*
	4:15	*	*
	4:20	*	*
	4:25	36	*
	4:30	29	*
	4:35	28	*
	4:40	28	*
	4:45	28	*
	4:50	28	*
	4:55	*	*
	5:00	*	*
	5:05	33	*
	5:10	28	*
	5:15	28	*
	5:20	28	*
	5:25	28	*
	5:30	28	*
	5:35	*	*
	5:40	30	*
	5:45	30	*
	5:50	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:55	28	*
	6:00	28	*
	6:05	28	*
	6:10	*	*
	6:15	*	*
	6:20	37	*
	6:25	29	*
	6:30	28	*
	6:35	28	*
	6:40	28	*
	6:45	28	*
	6:50	*	*
	6:55	30	*
	7:00	34	*
	7:05	28	*
	7:10	28	*
	7:15	28	*
	7:20	28	*
	7:25	*	*
	7:30	*	*
	7:35	30	*
	7:40	29	*
	7:45	28	*
	7:50	28	*
	7:55	28	*
	8:00	28	*
	8:05	*	*
	8:10	*	*
	8:15	36	*
	8:20	29	*
	8:25	28	*
	8:30	28	*
	8:35	28	*
	8:40	28	*
	8:45	*	*
	8:50	*	*
	8:55	32	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:00	28	*
	9:05	28	*
	9:10	28	*
	9:15	28	*
	9:20	*	*
	9:25	*	*
	9:30	32	*
	9:35	29	*
	9:40	28	*
	9:45	28	*
	9:50	28	*
	9:55	28	*
	10:00	*	*
	10:05	30	*
	10:10	29	*
	10:15	28	*
	10:20	28	*
	10:25	28	*
	10:30	28	*
	10:35	*	*
	10:40	*	*
	10:45	36	*
	10:50	29	*
	10:55	28	*
	11:00	28	*
	11:05	28	*
	11:10	28	*
	11:15	*	*
	11:20	30	*
	11:25	32	*
	11:30	28	*
	11:35	28	*
	11:40	28	*
	11:45	28	*
	11:50	*	*
	11:55	*	*
	12:00	31	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:05	29	*
	12:10	28	*
	12:15	28	*
	12:20	28	*
	12:25	28	*
	12:30	*	*
	12:35	*	*
	12:40	34	*
	12:45	28	*
	12:50	28	*
	12:55	28	*
	13:00	28	*
	13:05	28	*
	13:10	*	*
	13:15	30	*
	13:20	29	*
	13:25	28	*
	13:30	28	*
	13:35	28	*
	13:40	28	*
	13:45	*	*
	13:50	*	*
	13:55	*	*
	14:00	40	*
	14:05	28	*
	14:10	28	*
	14:15	28	*
	14:20	28	*
	14:25	28	*
	14:30	*	*
	14:35	30	*
	14:40	29	*
	14:45	28	*
	14:50	28	*
	14:55	28	*
	15:00	28	*
	15:05	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:10	*	*
	15:15	36	*
	15:20	28	*
	15:25	28	*
	15:30	28	*
	15:35	28	*
	15:40	28	*
	15:45	*	*
	15:50	30	*
	15:55	33	*
	16:00	28	*
	16:05	28	*
	16:10	*	*
	16:15	35	*
	16:20	29	*
	16:25	*	*
	16:30	*	*
	16:35	37	*
	16:40	28	*
	16:45	28	*
	16:50	28	*
	16:55	28	*
	17:00	28	*
	17:05	*	*
	17:10	30	*
	17:15	30	*
	17:20	28	*
	17:25	28	*
	17:30	28	*
	17:35	28	*
	17:40	*	*
	17:45	*	*
	17:50	36	*
	17:55	29	*
	18:00	28	*
	18:05	28	*
	18:10	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:15	*	*
	18:20	*	*
	18:25	*	*
	18:30	*	*
	18:35	*	*
	18:40	*	*
	18:45	57	*
	18:50	29	*
	18:55	28	*
	19:00	28	*
	19:05	28	*
	19:10	28	*
	19:15	*	*
	19:20	31	*
	19:25	33	*
	19:30	28	*
	19:35	28	*
	19:40	28	*
	19:45	28	*
	19:50	*	*
	19:55	*	*
	20:00	32	*
	20:05	29	*
	20:10	28	*
	20:15	28	*
	20:20	28	*
	20:25	28	*
	20:30	*	*
	20:35	*	*
	20:40	33	*
	20:45	28	*
	20:50	28	*
	20:55	28	*
	21:00	28	*
	21:05	28	*
	21:10	*	*
	21:15	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	21:20	30	*
	21:25	28	*
	21:30	28	*
	21:35	28	*
	21:40	28	*
	21:45	*	*
	21:50	*	*
	21:55	34	*
	22:00	29	*
	22:05	28	*
	22:10	28	*
	22:15	28	*
	22:20	28	*
	22:25	*	*
	22:30	*	*
	22:35	33	*
	22:40	29	*
	22:45	28	*
	22:50	28	*
	22:55	29	*
	23:00	29	*
	23:05	*	*
	23:10	30	*
	23:15	31	*
	23:20	28	*
	23:25	28	*
	23:30	28	*
	23:35	28	*
	23:40	*	*
	23:45	*	*
	23:50	36	*
	23:55	29	*
3/1/2014	0:00	28	*
	0:05	28	*
	0:10	28	*
	0:15	29	*
	0:20	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	0:25	*	*
	0:30	32	*
	0:35	29	*
	0:40	28	*
	0:45	29	*
	0:50	29	*
	0:55	*	*
	1:00	*	*
	1:05	31	*
	1:10	29	*
	1:15	29	*
	1:20	28	296
	1:25	*	*
	1:30	30	*
	1:35	*	50
	1:40	*	26
	1:45	*	22
	1:50	*	21
	1:55	*	21
	2:00	*	21
	2:05	*	*
	2:10	*	21
	2:15	*	29
	2:20	*	22
	2:25	*	21
	2:30	*	21
	2:35	*	20
	2:40	*	*
	2:45	*	*
	2:50	*	*
	2:55	110	*
	3:00	34	*
	3:05	29	*
	3:10	29	*
	3:15	28	*
	3:20	28	*
	3:25	*	35

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	3:30	*	23
	3:35	45	*
	3:40	29	*
	3:45	28	*
	3:50	28	*
	3:55	28	*
	4:00	28	*
	4:05	*	26
	4:10	*	22
	4:15	35	*
	4:20	28	*
	4:25	28	*
	4:30	28	*
	4:35	28	*
	4:40	*	*
	4:45	*	26
	4:50	30	*
	4:55	31	*
	5:00	28	*
	5:05	28	*
	5:10	28	*
	5:15	28	*
	5:20	*	*
	5:25	*	26
	5:30	36	*
	5:35	29	*
	5:40	*	*
	5:45	32	*
	5:50	28	*
	5:55	28	*
	6:00	28	*
	6:05	*	27
	6:10	29	21
	6:15	32	*
	6:20	33	*
	6:25	28	*
	6:30	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	6:35	28	*
	6:40	28	*
	6:45	*	21
	6:50	*	23
	6:55	37	*
	7:00	28	*
	7:05	28	*
	7:10	28	*
	7:15	28	*
	7:20	28	*
	7:25	*	24
	7:30	*	*
	7:35	36	*
	7:40	28	*
	7:45	28	*
	7:50	28	*
	7:55	28	*
	8:00	28	*
	8:05	*	24
	8:10	30	*
	8:15	31	*
	8:20	*	*
	8:25	33	28
	8:30	29	26
	8:35	*	*
	8:40	33	*
	8:45	29	*
	8:50	28	*
	8:55	*	*
	9:00	29	*
	9:05	34	*
	9:10	28	*
	9:15	28	*
	9:20	28	*
	9:25	28	*
	9:30	*	22
	9:35	*	23

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	9:40	30	*
	9:45	30	*
	9:50	28	*
	9:55	28	903
	10:00	28	*
	10:05	28	*
	10:10	*	*
	10:15	*	45
	10:20	36	*
	10:25	29	*
	10:30	28	*
	10:35	28	*
	10:40	28	*
	10:45	28	*
	10:50	*	*
	10:55	*	27
	11:00	*	*
	11:05	31	*
	11:10	29	*
	11:15	28	*
	11:20	28	*
	11:25	28	*
	11:30	*	*
	11:35	*	*
	11:40	*	*
	11:45	*	*
	11:50	32	*
	11:55	28	*
	12:00	28	*
	12:05	28	*
	12:10	28	*
	12:15	*	*
	12:20	*	23
	12:25	34	22
	12:30	28	*
	12:35	28	*
	12:40	28	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	12:45	28	*
	12:50	*	21
	12:55	*	23
	13:00	30	*
	13:05	30	*
	13:10	*	*
	13:15	34	*
	13:20	29	*
	13:25	28	*
	13:30	28	*
	13:35	*	*
	13:40	*	27
	13:45	30	21
	13:50	*	*
	13:55	33	*
	14:00	28	*
	14:05	28	*
	14:10	28	*
	14:15	28	*
	14:20	*	*
	14:25	*	24
	14:30	35	22
	14:35	*	*
	14:40	29	*
	14:45	30	*
	14:50	28	*
	14:55	28	*
	15:00	*	*
	15:05	*	24
	15:10	35	*
	15:15	29	*
	15:20	*	*
	15:25	33	*
	15:30	29	*
	15:35	28	*
	15:40	28	*
	15:45	*	22

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	15:50	*	23
	15:55	39	*
	16:00	29	*
	16:05	28	*
	16:10	28	*
	16:15	28	*
	16:20	28	*
	16:25	*	*
	16:30	30	22
	16:35	34	*
	16:40	29	*
	16:45	28	*
	16:50	28	*
	16:55	29	*
	17:00	*	*
	17:05	*	23
	17:10	33	*
	17:15	30	*
	17:20	29	*
	17:25	29	*
	17:30	29	*
	17:35	29	*
	17:40	*	25
	17:45	*	21
	17:50	39	*
	17:55	29	*
	18:00	29	*
	18:05	29	*
	18:10	29	*
	18:15	29	*
	18:20	*	22
	18:25	*	22
	18:30	36	*
	18:35	29	*
	18:40	29	*
	18:45	29	*
	18:50	29	26

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	18:55	29	*
	19:00	*	22
	19:05	*	*
	19:10	34	*
	19:15	29	*
	19:20	29	*
	19:25	29	*
	19:30	29	22
	19:35	*	*
	19:40	*	*
	19:45	*	*
	19:50	45	*
	19:55	30	*
	20:00	29	*
	20:05	29	*
	20:10	29	*
	20:15	29	*
	20:20	*	24
	20:25	*	22
	20:30	37	*
	20:35	29	*
	20:40	29	*
	20:45	29	*
	20:50	29	*
	20:55	29	*
	21:00	*	24
	21:05	31	*
	21:10	32	*
	21:15	*	*
	21:20	31	*
	21:25	29	*
	21:30	29	*
	21:35	29	*
	21:40	*	26
	21:45	*	*
	21:50	37	*
	21:55	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:00	29	*
	22:05	29	*
	22:10	29	*
	22:15	29	*
	22:20	*	26
	22:25	*	*
	22:30	35	*
	22:35	29	*
	22:40	29	*
	22:45	29	*
	22:50	29	*
	22:55	*	22
	23:00	*	24
	23:05	31	*
	23:10	31	*
	23:15	29	*
	23:20	29	*
	23:25	29	*
	23:30	29	*
	23:35	*	21
	23:40	*	23
	23:45	39	*
	23:50	30	*
	23:55	29	*
3/2/2014	0:00	29	*
	0:05	29	*
	0:10	29	*
	0:15	*	*
	0:20	*	24
	0:25	40	*
	0:30	*	*
	0:35	33	*
	0:40	29	*
	0:45	29	*
	0:50	29	*
	0:55	*	*
	1:00	*	33

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:05	37	*
	1:10	30	*
	1:15	29	*
	1:20	29	*
	1:25	29	*
	1:30	29	*
	1:35	*	25
	1:40	*	22
	1:45	40	*
	1:50	29	*
	1:55	29	*
	2:00	29	*
	2:05	29	*
	2:10	29	*
	2:15	*	26
	2:20	31	*
	2:25	35	*
	2:30	29	*
	2:35	29	*
	2:40	29	*
	2:45	29	*
	2:50	*	*
	2:55	*	25
	3:00	33	*
	3:05	31	*
	3:10	*	*
	3:15	31	*
	3:20	31	*
	3:25	29	*
	3:30	29	*
	3:35	29	*
	3:40	*	32
	3:45	31	22
	3:50	31	*
	3:55	29	*
	4:00	29	*
	4:05	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:10	*	22
	4:15	*	22
	4:20	43	21
	4:25	*	21
	4:30	*	21
	4:35	251	*
	4:40	*	*
	4:45	34	*
	4:50	29	*
	4:55	29	*
	5:00	29	*
	5:05	29	*
	5:10	*	28
	5:15	*	23
	5:20	38	*
	5:25	30	*
	5:30	29	*
	5:35	29	*
	5:40	29	*
	5:45	29	*
	5:50	*	*
	5:55	*	29
	6:00	36	*
	6:05	29	*
	6:10	29	*
	6:15	29	*
	6:20	29	*
	6:25	*	*
	6:30	*	27
	6:35	31	*
	6:40	32	*
	6:45	29	*
	6:50	29	*
	6:55	29	*
	7:00	29	*
	7:05	*	*
	7:10	*	25

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:15	*	*
	7:20	37	*
	7:25	29	*
	7:30	29	*
	7:35	29	*
	7:40	29	*
	7:45	*	*
	7:50	*	31
	7:55	31	*
	8:00	31	*
	8:05	29	*
	8:10	29	*
	8:15	29	*
	8:20	29	*
	8:25	*	*
	8:30	*	*
	8:35	41	*
	8:40	30	*
	8:45	29	*
	8:50	29	*
	8:55	29	*
	9:00	29	*
	9:05	*	39
	9:10	*	22
	9:15	41	*
	9:20	30	*
	9:25	29	*
	9:30	29	*
	9:35	29	*
	9:40	29	*
	9:45	*	*
	9:50	*	*
	9:55	35	*
	10:00	31	*
	10:05	31	*
	10:10	30	*
	10:15	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	10:20	*	*
	10:25	*	*
	10:30	31	*
	10:35	32	28
	10:40	29	*
	10:45	29	*
	10:50	29	*
	10:55	29	*
	11:00	*	*
	11:05	*	52
	11:10	39	*
	11:15	32	*
	11:20	30	*
	11:25	29	*
	11:30	*	*
	11:35	*	27
	11:40	*	22
	11:45	*	22
	11:50	*	21
	11:55	*	*
	12:00	*	22
	12:05	*	24
	12:10	*	21
	12:15	*	21
	12:20	*	21
	12:25	*	21
	12:30	*	*
	12:35	*	*
	12:40	*	21
	12:45	*	*
	12:50	190	*
	12:55	37	*
	13:00	30	*
	13:05	29	*
	13:10	29	*
	13:15	29	*
	13:20	*	26

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	13:25	*	23
	13:30	43	*
	13:35	29	*
	13:40	29	*
	13:45	29	*
	13:50	29	*
	13:55	29	*
	14:00	*	24
	14:05	31	21
	14:10	37	*
	14:15	31	*
	14:20	29	*
	14:25	29	*
	14:30	29	*
	14:35	29	*
	14:40	*	21
	14:45	*	23
	14:50	37	*
	14:55	29	*
	15:00	29	*
	15:05	29	*
	15:10	29	*
	15:15	29	*
	15:20	29	*
	15:25	*	*
	15:30	*	22
	15:35	*	*
	15:40	39	*
	15:45	29	*
	15:50	29	*
	15:55	29	*
	16:00	29	*
	16:05	29	*
	16:10	*	24
	16:15	31	21
	16:20	*	*
	16:25	32	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	16:30	29	*
	16:35	29	*
	16:40	29	*
	16:45	29	*
	16:50	*	22
	16:55	*	22
	17:00	36	*
	17:05	29	*
	17:10	29	*
	17:15	29	*
	17:20	29	*
	17:25	29	*
	17:30	*	24
	17:35	*	21
	17:40	35	*
	17:45	*	*
	17:50	30	*
	17:55	30	*
	18:00	29	*
	18:05	29	*
	18:10	29	21
	18:15	*	24
	18:20	*	*
	18:25	31	*
	18:30	32	*
	18:35	29	*
	18:40	29	*
	18:45	29	23
	18:50	29	*
	18:55	*	23
	19:00	*	22
	19:05	*	*
	19:10	40	*
	19:15	30	*
	19:20	29	*
	19:25	29	*
	19:30	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	19:35	29	*
	19:40	*	24
	19:45	31	*
	19:50	32	*
	19:55	*	*
	20:00	32	*
	20:05	29	*
	20:10	29	*
	20:15	29	*
	20:20	*	*
	20:25	*	25
	20:30	33	*
	20:35	31	*
	20:40	29	*
	20:45	29	*
	20:50	29	*
	20:55	29	*
	21:00	*	23
	21:05	*	21
	21:10	38	*
	21:15	30	*
	21:20	29	*
	21:25	29	*
	21:30	29	*
	21:35	30	*
	21:40	*	24
	21:45	*	21
	21:50	32	21
	21:55	*	*
	22:00	34	*
	22:05	30	*
	22:10	*	*
	22:15	32	*
	22:20	30	*
	22:25	29	*
	22:30	*	27
	22:35	*	22

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	22:40	37	*
	22:45	30	*
	22:50	30	*
	22:55	29	*
	23:00	30	*
	23:05	30	*
	23:10	*	21
	23:15	31	22
	23:20	32	*
	23:25	30	*
	23:30	30	*
	23:35	30	*
	23:40	30	*
	23:45	*	*
	23:50	*	*
	23:55	34	*
3/3/2014	0:00	31	*
	0:05	30	*
	0:10	30	*
	0:15	30	*
	0:20	30	*
	0:25	*	24
	0:30	*	22
	0:35	37	*
	0:40	30	*
	0:45	30	*
	0:50	30	*
	0:55	30	*
	1:00	30	*
	1:05	*	23
	1:10	31	*
	1:15	33	*
	1:20	30	*
	1:25	30	*
	1:30	30	*
	1:35	30	*
	1:40	*	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	1:45	*	24
	1:50	32	*
	1:55	32	*
	2:00	30	*
	2:05	30	*
	2:10	30	*
	2:15	30	*
	2:20	*	*
	2:25	*	21
	2:30	39	*
	2:35	30	*
	2:40	30	*
	2:45	30	*
	2:50	30	*
	2:55	30	*
	3:00	*	23
	3:05	*	*
	3:10	34	*
	3:15	30	*
	3:20	30	*
	3:25	30	*
	3:30	30	*
	3:35	30	*
	3:40	*	23
	3:45	31	*
	3:50	31	*
	3:55	30	*
	4:00	30	*
	4:05	30	*
	4:10	30	*
	4:15	*	21
	4:20	*	23
	4:25	39	*
	4:30	30	*
	4:35	31	*
	4:40	31	*
	4:45	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	4:50	30	*
	4:55	30	21
	5:00	*	23
	5:05	*	*
	5:10	43	*
	5:15	31	*
	5:20	30	*
	5:25	30	*
	5:30	30	*
	5:35	30	*
	5:40	*	21
	5:45	*	22
	5:50	35	*
	5:55	30	*
	6:00	30	*
	6:05	30	*
	6:10	30	*
	6:15	30	*
	6:20	*	23
	6:25	31	21
	6:30	36	*
	6:35	31	*
	6:40	30	*
	6:45	30	*
	6:50	30	*
	6:55	30	*
	7:00	*	21
	7:05	*	22
	7:10	37	*
	7:15	*	*
	7:20	31	*
	7:25	30	*
	7:30	30	*
	7:35	30	*
	7:40	30	*
	7:45	*	25
	7:50	31	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	7:55	32	*
	8:00	30	*
	8:05	30	*
	8:10	30	*
	8:15	30	*
	8:20	*	*
	8:25	*	23
	8:30	37	*
	8:35	31	*
	8:40	30	*
	8:45	30	*
	8:50	30	*
	8:55	30	*
	9:00	*	*
	9:05	*	23
	9:10	38	*
	9:15	30	*
	9:20	30	*
	9:25	30	*
	9:30	30	*
	9:35	30	*
	9:40	*	*
	9:45	31	*
	9:50	34	*
	9:55	30	*
	10:00	30	*
	10:05	30	*
	10:10	30	*
	10:15	*	*
	10:20	*	24
	10:25	36	*
	10:30	*	*
	10:35	32	*
	10:40	30	*
	10:45	30	*
	10:50	30	*
	10:55	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:00	*	25
	11:05	31	21
	11:10	*	*
	11:15	32	22
	11:20	*	*
	11:25	31	*
	11:30	30	*
	11:35	30	*
	11:40	30	*
	11:45	*	*
	11:50	*	23
	11:55	35	*
	12:00	30	*
	12:05	30	*
	12:10	30	*
	12:15	30	*
	12:20	30	*
	12:25	*	*
	12:30	31	21
	12:35	31	*
	12:40	30	*
	12:45	*	*
	12:50	32	*
	12:55	30	*
	13:00	30	*
	13:05	*	21
	13:10	*	23
	13:15	37	*
	13:20	30	*
	13:25	30	*
	13:30	30	*
	13:35	30	*
	13:40	30	*
	13:45	*	*
	13:50	32	*
	13:55	33	*
	14:00	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	14:05	30	*
	14:10	30	*
	14:15	*	*
	14:20	*	*
	14:25	43	23
	14:30	230	21
	14:35	*	21
	14:40	*	20
	14:45	42	*
	14:50	30	*
	14:55	30	*
	15:00	30	*
	15:05	30	*
	15:10	30	21
	15:15	*	23
	15:20	31	*
	15:25	33	*
	15:30	*	*
	15:35	33	*
	15:40	30	*
	15:45	30	*
	15:50	30	*
	15:55	30	*
	16:00	*	24
	16:05	31	*
	16:10	32	*
	16:15	30	*
	16:20	30	*
	16:25	30	*
	16:30	30	*
	16:35	*	20
	16:40	*	22
	16:45	39	*
	16:50	31	*
	16:55	30	*
	17:00	30	*
	17:05	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	17:10	30	*
	17:15	*	22
	17:20	*	21
	17:25	39	*
	17:30	30	*
	17:35	30	*
	17:40	30	*
	17:45	30	*
	17:50	30	*
	17:55	*	20
	18:00	31	*
	18:05	33	*
	18:10	30	*
	18:15	30	*
	18:20	30	*
	18:25	30	*
	18:30	30	*
	18:35	30	*
	18:40	*	25
	18:45	*	*
	18:50	36	*
	18:55	31	*
	19:00	30	*
	19:05	30	*
	19:10	30	*
	19:15	30	*
	19:20	*	23
	19:25	32	*
	19:30	33	*
	19:35	31	*
	19:40	30	*
	19:45	30	*
	19:50	31	*
	19:55	*	20
	20:00	*	22
	20:05	*	*
	20:10	55	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	20:15	33	*
	20:20	31	*
	20:25	30	*
	20:30	30	*
	20:35	30	*
	20:40	*	23
	20:45	*	21
	20:50	37	*
	20:55	*	*
	21:00	32	*
	21:05	30	*
	21:10	30	*
	21:15	30	*
	21:20	*	24
	21:25	*	21
	21:30	*	21
	21:35	*	20
	21:40	*	20
	21:45	*	20
	21:50	*	*
	21:55	*	*
	22:00	*	24
	22:05	*	21
	22:10	*	21
	22:15	*	21
	22:20	*	20
	22:25	*	21
	22:30	*	*
	22:35	*	21
	22:40	*	22
	22:45	116	*
	22:50	36	*
	22:55	31	*
	23:00	30	*
	23:05	30	*
	23:10	30	*
	23:15	*	23

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	23:20	*	*
	23:25	36	*
	23:30	30	*
	23:35	30	*
	23:40	30	*
	23:45	29	*
	23:50	*	20
	23:55	*	22
3/4/2014	0:00	31	*
	0:05	31	*
	0:10	29	*
	0:15	29	*
	0:20	29	*
	0:25	29	*
	0:30	*	21
	0:35	*	22
	0:40	35	*
	0:45	*	*
	0:50	*	*
	0:55	32	*
	1:00	30	*
	1:05	29	*
	1:10	29	*
	1:15	*	21
	1:20	*	22
	1:25	34	*
	1:30	30	*
	1:35	29	*
	1:40	29	*
	1:45	29	*
	1:50	29	*
	1:55	*	*
	2:00	*	23
	2:05	33	*
	2:10	30	*
	2:15	29	*
	2:20	29	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	2:25	29	*
	2:30	29	*
	2:35	*	23
	2:40	30	*
	2:45	30	*
	2:50	29	*
	2:55	29	*
	3:00	29	*
	3:05	29	*
	3:10	*	21
	3:15	*	22
	3:20	35	*
	3:25	30	*
	3:30	29	*
	3:35	29	*
	3:40	29	*
	3:45	30	*
	3:50	*	22
	3:55	*	21
	4:00	34	*
	4:05	*	*
	4:10	30	*
	4:15	30	*
	4:20	29	*
	4:25	30	*
	4:30	*	*
	4:35	*	23
	4:40	31	*
	4:45	30	*
	4:50	30	*
	4:55	30	*
	5:00	29	*
	5:05	30	*
	5:10	*	22
	5:15	*	21
	5:20	36	*
	5:25	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	5:30	29	*
	5:35	30	*
	5:40	29	*
	5:45	30	*
	5:50	*	22
	5:55	*	21
	6:00	33	*
	6:05	30	*
	6:10	30	*
	6:15	30	*
	6:20	30	*
	6:25	30	*
	6:30	*	23
	6:35	31	*
	6:40	31	*
	6:45	*	*
	6:50	33	*
	6:55	30	*
	7:00	30	*
	7:05	30	*
	7:10	*	*
	7:15	*	24
	7:20	31	*
	7:25	30	*
	7:30	30	*
	7:35	30	*
	7:40	30	*
	7:45	30	*
	7:50	*	*
	7:55	*	23
	8:00	36	*
	8:05	30	*
	8:10	30	*
	8:15	30	*
	8:20	30	*
	8:25	30	*
	8:30	*	22

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	8:35	31	21
	8:40	32	*
	8:45	30	*
	8:50	29	*
	8:55	29	*
	9:00	30	*
	9:05	*	*
	9:10	*	22
	9:15	31	*
	9:20	31	*
	9:25	29	*
	9:30	29	*
	9:35	29	*
	9:40	29	*
	9:45	*	21
	9:50	*	22
	9:55	38	*
	10:00	30	*
	10:05	31	*
	10:10	30	*
	10:15	29	*
	10:20	29	*
	10:25	29	*
	10:30	*	24
	10:35	31	*
	10:40	32	*
	10:45	*	*
	10:50	31	*
	10:55	30	*
	11:00	30	*
	11:05	29	*
	11:10	*	*
	11:15	*	*
	11:20	32	25
	11:25	30	21
	11:30	*	*
	11:35	31	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

5 minute data

		TCEQ-10J	
Date	Time	MF 4 mNTU on-line	MF5 mNTU on-line
	11:40	*	*
	11:45	29	*
	11:50	29	*
	11:55	*	*
	12:00	*	22
	12:05	33	*
	12:10	30	*
	12:15	29	*
	12:20	29	*
	12:25	29	*
	12:30	*	22
	12:35	34	*
	12:40	30	*
	12:45	29	*
	12:50	29	*
	12:55	29	*
	13:00	29	*
	13:05	*	22
	13:10	*	21
	13:15	35	*
	13:20	*	*
	13:25	31	*
	13:30	30	*
	13:35	29	*
	13:40	29	*
	13:45	*	*
	13:50	*	21
	13:55	31	22
	14:00	30	*
	14:05	30	*
	14:10	29	*
	14:15	29	*
	14:20	29	*
	14:25	*	*
	14:30	*	*
	14:35	36	*
	14:40	30	*

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
1/27/2014	0:00	-0.6	1587	1.1	1.1	1.1	2.05	1374	2.48	2.48	2.6	17.6	5.67
	0:15	-4.5	0	-0.7	*	1	-4.7	0	-0.8	*	2.7	17.6	5.45
	0:30	-0.5	1538	1.18	1.18	1	-4.2	0	-1	*	2.8	17.6	5.42
	0:45	-0.4	1538	1.32	1.32	1.2	0.84	302	1.98	1.98	2.8	17.6	5.76
	1:00	-4.5	0	-0.7	*	1.2	2.9	1500	2.99	2.99	2.7	17.6	5.48
	1:15	-4.5	0	-0.7	*	1.2	3.42	1499	3.25	3.25	2.9	17.6	5.42
	1:30	-0.5	1618	1.33	1.33	1.1	-5	0	-0.8	*	2.9	14.8	5.46
	1:45	-0.3	1606	1.44	1.44	1.2	-5	0	-0.8	*	2.9	14.8	5.62
	2:00	-4.8	0	-0.7	*	1.2	3.17	1551	3.17	3.17	2.7	14.8	5.44
	2:15	-4.8	0	-0.7	*	1.2	3.65	1557	3.41	3.41	2.9	14.7	5.62
	2:30	-0.4	1602	1.3	1.3	1.1	-5	0	-0.8	*	3	14.7	5.47
	2:45	-0.2	1605	1.44	1.44	1.2	-5	0	-0.8	*	3	14.6	5.5
	3:00	-4.8	0	-0.7	*	1.3	3.41	1548	3.18	3.18	2.7	14.6	5.79
	3:15	-4.8	0	-0.7	*	1.3	3.75	1558	3.46	3.46	3	14.6	5.46
	3:30	-0.3	1595	1.34	1.34	1.1	-5	0	-0.8	*	3	14.6	5.46
	3:45	-0.2	1592	1.42	1.42	1.2	-5	0	-0.8	*	3	14.6	5.81
	4:00	-4.8	0	-0.7	*	1.2	3.43	1542	3.19	3.19	2.8	14.5	5.51
	4:15	-4.8	0	-0.7	*	1.2	3.77	1557	3.49	3.49	3	14.5	5.4
	4:30	-0.6	1635	1.35	1.35	1.1	-5.1	0	-0.8	*	3	14.5	5.47
	4:45	-0.2	1627	1.52	1.52	1.2	-5.1	0	-0.8	*	3	14.5	5.72
	5:00	-4.8	0	-0.7	*	1.2	3.13	1547	3.15	3.15	2.7	14.5	5.39
	5:15	-4.8	0	-0.7	*	1.2	3.71	1556	3.46	3.46	3	14.5	5.43
	5:30	-0.6	1610	1.3	1.3	1.1	-5.1	0	-0.8	*	3	14.5	5.79
	5:45	-0.1	1604	1.47	1.47	1.2	-5.1	0	-0.8	*	3	14.4	5.52
	6:00	-4.8	0	-0.7	*	1.2	3.68	1598	3.36	3.36	2.8	14.4	5.4
	6:15	-4.8	0	-0.7	*	1.2	4.07	1604	3.64	3.64	3	14.4	5.43
	6:30	-0.3	1601	1.32	1.32	1.1	-5	0	-0.8	*	3.1	14.4	5.64
	6:45	-0.1	1591	1.44	1.44	1.2	-5	0	-0.8	*	3.1	14.4	5.49
	7:00	-4.8	0	-0.7	*	1.2	3.64	1595	3.34	3.34	2.8	14.3	5.47
	7:15	-4.8	0	-0.7	*	1.2	4.04	1602	3.58	3.58	3	14.3	5.41
	7:30	-0.5	1595	1.31	1.31	1.1	-5.1	0	-0.8	*	3.1	14.3	5.39
	7:45	-0.1	1596	1.48	1.48	1.2	-5.1	0	-0.8	*	3.1	14.3	5.55
	8:00	-4.8	0	-0.7	*	1.3	3.37	1605	3.31	3.31	2.7	14.3	5.46
	8:15	-4.8	0	-0.7	*	1.3	4.33	1592	3.66	3.66	3	14.3	5.36
	8:30	-0.3	1669	1.38	1.38	1.1	-5	0	-0.8	*	3	14.3	5.37
	8:45	-0	1677	1.56	1.56	1.2	-5	0	-0.8	*	3	14.3	5.52

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	-4.7	0	-0.7	*	1.3	3.97	1666	3.59	3.59	2.8	14.2	5.45
	9:15	-0.2	1659	1.39	1.39	1.1	-32	0	-14	*	3	14.2	5.38
	9:30	0.06	1670	1.55	1.55	1.2	-5.2	0	-0.8	*	3	14.2	5.49
	9:45	-3.7	0	-0.8	*	1.3	4.63	1660	3.81	3.81	3	14.3	5.43
	10:00	-0.2	1667	1.47	1.47	1.2	-5	0	-0.8	*	3.1	14.3	5.41
	10:15	0.13	1673	1.67	1.67	1.3	-5	0	-0.8	*	3.1	14.3	5.36
	10:30	-0.1	1664	1.39	1.39	1.1	-30	0	-14	*	3.1	14.2	5.53
	10:45	0.06	1667	1.55	1.55	1.2	-4.8	0	-0.8	*	3.1	14.3	5.32
	11:00	-15	0	-6.7	*	1.4	4.64	1734	3.88	3.88	3.2	14.3	5.4
	11:15	-4.4	0	-0.7	*	1.4	4.02	1642	3.55	3.55	2.9	14.3	5.43
	11:30	-4.4	0.8	-0.7	*	1.4	4.62	1637	3.85	3.85	3.1	14.3	5.34
	11:45	-0.1	1634	1.46	1.46	1.2	-4.8	0	-0.8	*	3.1	14.3	5.53
	12:00	0.2	1640	1.62	1.62	1.3	-4.8	0	-0.8	*	3.1	14.3	5.38
	12:15	-4.5	0	-0.7	*	1.3	4.16	1640	3.62	3.62	2.9	14.3	5.34
	12:30	-4.5	0	-0.7	*	1.3	4.8	1643	3.94	3.94	3.2	14.3	5.5
	12:45	-0.1	1641	1.47	1.47	1.2	-4.8	0	-0.8	*	3.2	14.2	5.39
	13:00	0.26	1638	1.65	1.65	1.3	-4.8	0	-0.8	*	3.2	14.2	5.36
	13:15	-4.5	0	-0.7	*	1.3	4.12	1637	3.6	3.6	2.9	14.2	5.43
	13:30	-4.5	0	-0.7	*	1.3	4.7	1639	3.89	3.89	3.1	14.2	5.33
	13:45	-0	1648	1.5	1.5	1.2	4.19	0	3.44	3.44	2.6	14.2	5.36
	14:00	0.59	1808	1.88	1.88	1.4	4.57	0	3.63	3.63	2.6	14.2	5.43
	14:15	0.43	1794	1.67	1.67	1.2	-4.3	0	-0.8	*	2.6	14.2	5.36
	14:30	0.85	1805	1.88	1.88	1.4	-4.4	0	-0.8	*	2.5	14.2	5.31
	14:45	-3.6	0	-0.8	*	1.5	3.23	0	3.2	3.2	2.5	14.1	5.29
	15:00	0.06	1669	1.55	1.55	1.2	-4.8	0	-0.8	*	2.5	14.1	5.38
	15:15	0.34	1664	1.69	1.69	1.3	-4.8	0	-0.8	*	2.5	14.1	5.42
	15:30	-4.5	0	-0.7	*	1.3	3.5	1665	3.29	3.29	2.6	14.1	5.36
	15:45	-4.5	0	-0.7	*	1.3	4.18	1664	3.63	3.63	2.9	14.1	5.37
	16:00	0.11	1665	1.55	1.55	1.3	-4.7	0	-0.8	*	2.9	14.1	5.56
	16:15	0.42	1665	1.73	1.73	1.3	-4.7	0	-0.8	*	2.9	14.1	5.44
	16:30	-4.4	0	-0.7	*	1.3	2.68	1599	2.88	2.88	2.5	14.1	5.36
	16:45	-4.4	0	-0.7	*	1.3	3.84	1661	3.46	3.46	2.7	14.1	5.55
	17:00	0.03	1663	1.51	1.51	1.2	-4.8	0	-0.8	*	2.9	14.1	5.36
	17:15	-7.6	0	-2.6	*	1.3	2.76	1664	2.94	2.94	2.3	14.1	5.33
	17:30	-4.8	0	-0.7	*	1.3	3.78	1665	3.43	3.43	2.7	14.1	5.49
	17:45	0.07	1597	1.49	1.49	1.3	4.93	1646	3.7	3.7	3	14	5.32

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	-3.8	0	-0.8	*	1.3	3.57	1659	3.28	3.28	2.6	14	5.29
	18:15	-4.3	0	-0.7	*	1.3	3.88	1665	3.48	3.48	2.8	14	5.46
	18:30	-0.3	1676	1.44	1.44	1.1	-28	0	-13	*	2.9	14	5.36
	18:45	0.26	1663	1.65	1.65	1.3	-4.8	0	-0.8	*	2.9	14	5.32
	19:00	-2.7	0	-0.7	*	1.4	3.19	1665	3.18	3.18	2.5	14	5.34
	19:15	-4.5	0	-0.7	*	1.4	4.06	1664	3.57	3.57	2.8	14	5.38
	19:30	0.07	1677	1.53	1.53	1.2	-1	0	0.13	0.13	3	14	5.35
	19:45	0.24	1663	1.64	1.64	1.3	-4.7	0	-0.8	*	3	13.9	5.37
	20:00	1.84	1490	1.68	1.68	1.4	3.34	1658	3.19	3.19	2.5	13.9	5.34
	20:15	-4.3	0	-0.7	*	1.4	3.65	1665	3.41	3.41	2.7	13.9	5.46
	20:30	-4.3	0	-0.7	*	1.4	4.69	1659	3.82	3.82	3	13.9	5.34
	20:45	0.08	1669	1.56	1.56	1.2	-4.8	0	-0.8	*	3	13.9	5.35
	21:00	0.52	1668	1.78	1.78	1.4	-4.8	0	-0.8	*	3	13.9	5.42
	21:15	-4.4	0	-0.7	*	1.4	3.98	1671	3.53	3.53	2.8	13.8	5.34
	21:30	-4.4	0	-0.7	*	1.4	4.66	1669	3.87	3.87	3	13.8	5.42
	21:45	-0	1612	1.45	1.45	1.2	-4.7	0	-0.8	*	3.1	13.8	5.36
	22:00	0.3	1669	1.69	1.69	1.3	-4.7	0	-0.8	*	3.1	13.8	5.42
	22:15	-4.5	0	-0.7	*	1.4	3.84	1667	3.46	3.46	2.7	13.8	5.38
	22:30	-4.5	0	-0.7	*	1.4	4.58	1664	3.83	3.83	3	13.8	5.33
	22:45	0.19	1662	1.59	1.59	1.2	-4.7	0	-0.8	*	3.1	13.8	5.36
	23:00	0.5	1664	1.77	1.77	1.4	-4.7	0	-0.8	*	3.1	13.7	5.34
	23:15	-4.3	0	-0.7	*	1.4	4.09	1662	3.54	3.54	2.8	13.7	5.34
	23:30	-4.4	0	-0.7	*	1.4	4.68	1664	3.88	3.88	3	13.7	5.34
	23:45	-4.9	0	-1	*	1.2	-4.6	0	-0.8	*	3.1	13.7	5.4
1/28/2014	0:00	0.31	1664	1.65	1.65	1.3	-4.6	0	-0.8	*	3.1	13.7	5.36
	0:15	-4	0	-0.8	*	1.4	3.74	1665	3.41	3.41	2.7	13.7	5.37
	0:30	-4.5	0	-0.7	*	1.4	4.4	1666	3.74	3.74	2.9	13.7	5.41
	0:45	-0.2	1675	1.48	1.48	1.2	-29	0	-14	*	3.2	13.6	5.36
	1:00	0.32	1660	1.68	1.68	1.3	-4.7	0	-0.8	*	3.2	13.6	5.32
	1:15	-2.6	0	-0.7	*	1.5	3.67	1670	3.42	3.42	2.6	13.6	5.48
	1:30	-4.4	0	-0.7	*	1.5	4.54	1662	3.81	3.81	3	13.6	5.33
	1:45	0.07	1660	1.53	1.53	1.2	8.06	0	4.68	4.68	3.2	13.6	5.44
	2:00	0.2	1664	1.64	1.64	1.3	-4.6	0	-0.8	*	3.2	13.6	5.36
	2:15	0.67	1660	1.83	1.83	1.4	-4.6	0	-0.8	*	3.2	13.6	5.52
	2:30	-4.5	0	-0.7	*	1.5	4.34	1664	3.71	3.71	2.9	13.5	5.55
	2:45	-4.5	0	-0.7	*	1.5	5.06	1671	4.07	4.07	3.2	13.5	5.74

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	0.3	1669	1.67	1.67	1.3	-4.7	0	-0.8	*	3.2	13.5	5.57
	3:15	0.62	1663	1.83	1.83	1.5	-4.7	0	-0.8	*	3.2	13.5	5.72
	3:30	-4.4	0	-0.7	*	1.4	2.19	1269	2.55	2.55	2.8	13.4	5.58
	3:45	-4.4	0	-0.7	*	1.4	4.61	1669	3.93	3.93	3	13.4	5.59
	4:00	0.28	1662	1.66	1.66	1.3	-4.8	0	-0.8	*	3.1	13.4	5.84
	4:15	0.58	1671	1.81	1.81	1.4	-4.8	0	-0.8	*	3.1	13.4	5.55
	4:30	-4.5	0	-0.7	*	1.4	4.34	1666	3.69	3.69	2.9	13.4	5.7
	4:45	-4.5	0	-0.7	*	1.4	5.22	1667	4.15	4.15	3.2	13.3	5.83
	5:00	0.33	1664	1.64	1.64	1.3	-4.7	0	-0.8	*	3.2	13.3	5.57
	5:15	0.56	1665	1.8	1.8	1.4	-4.7	0	-0.8	*	3.2	13.3	5.76
	5:30	-4.3	0	-0.7	*	1.5	4.37	1658	3.64	3.64	2.8	13.3	5.75
	5:45	-4.3	0	-0.7	*	1.5	4.78	1662	3.93	3.93	3	13.3	5.78
	6:00	0.19	1663	1.55	1.55	1.2	-4	0	-0.9	*	3.2	13.3	5.58
	6:15	0.46	1672	1.75	1.75	1.4	-4.8	0	-0.8	*	3.2	13.2	5.72
	6:30	-4	0	-0.8	*	1.5	4.06	1666	3.59	3.59	2.8	13.2	5.56
	6:45	-4.5	0	-0.7	*	1.5	4.9	1665	3.99	3.99	3.1	13.2	5.59
	7:00	0.22	1671	1.65	1.65	1.2	-12	0	-5.2	*	3.3	13.2	5.78
	7:15	0.5	1660	1.77	1.77	1.4	-4.7	0	-0.8	*	3.3	13.2	5.6
	7:30	-22	0	-10	*	1.5	3.86	1674	3.47	3.47	2.7	13.1	6.87
	7:45	-4.3	0	-0.7	*	1.5	4.7	1664	3.87	3.87	3	13.1	6.86
	8:00	-4.3	0	-0.7	*	1.5	5.26	1665	4.17	4.17	3.2	13.1	6.82
	8:15	0.5	1662	1.77	1.77	1.4	-4.8	0	-0.8	*	3.2	13.1	6.8
	8:30	0.84	1669	1.94	1.94	1.5	-4.8	0	-0.8	*	3.2	13.1	6.83
	8:45	-4.5	0	-0.7	*	1.5	4.82	1662	3.95	3.95	3	13.1	6.81
	9:00	-4.5	0	-0.7	*	1.5	5.58	1662	4.33	4.33	3.3	13.1	6.86
	9:15	0.16	1654	1.64	1.64	1.3	-4.6	0	-0.8	*	3.4	13	6.83
	9:30	0.72	1660	1.88	1.88	1.5	-4.7	0	-0.8	*	3.4	13	6.84
	9:45	-4.5	0	-0.7	*	1.5	4.7	1665	3.89	3.89	3	13	6.85
	10:00	-4.5	0	-0.7	*	1.5	5.42	1667	4.25	4.25	3.3	13	6.86
	10:15	-4.5	0	-0.7	*	1.3	-4.7	0	-0.8	*	3.3	13	6.88
	10:30	0.75	1665	1.87	1.87	1.4	-4.7	0	-0.8	*	3.3	13	6.9
	10:45	-2.7	0	-1	*	1.5	4.3	1662	3.69	3.69	2.9	13.1	6.88
	11:00	-4.5	0	-0.7	*	1.5	5.34	1662	4.21	4.21	3.2	13.1	6.92
	11:15	0.26	1665	1.67	1.67	1.3	-2.8	0	-1	*	3.4	13.1	6.99
	11:30	0.74	1662	1.89	1.89	1.4	-4.7	0	-0.8	*	3.4	13.1	6.93
	11:45	-4	0	-0.8	*	1.5	4.42	1668	3.75	3.75	2.9	13	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	-4.4	0	-0.7	*	1.5	4.94	1665	3.99	3.99	3	13	6.95
	12:15	-0.1	1650	1.53	1.53	1.5	6.32	1645	4.33	4.33	3.3	13	6.94
	12:30	0.6	1660	1.82	1.82	1.4	-4.8	0	-0.8	*	3.3	13	6.95
	12:45	1.36	1656	1.96	1.96	1.5	4.21	1656	3.58	3.58	3.3	13.1	6.94
	13:00	-4.5	0	-0.7	*	1.5	4.66	1631	3.87	3.87	3	13.1	6.91
	13:15	0.22	1540	1.52	1.52	1.5	5.83	1621	4.28	4.28	3.3	13.1	6.94
	13:30	0.42	1635	1.73	1.73	1.4	-4.7	0	-0.8	*	3.3	13.1	6.93
	13:45	0.85	1625	1.88	1.88	1.5	1.33	1167	2.12	2.12	3.3	13.1	6.95
	14:00	-4.4	0	-0.7	*	1.5	4.72	1627	3.88	3.88	3.1	13.1	6.95
	14:15	-0.8	883	1.06	1.06	1.5	5.44	1628	4.24	4.24	3.4	13.2	6.91
	14:30	0.29	1625	1.62	1.62	1.3	-4.7	0	-0.8	*	3.4	13.2	6.93
	14:45	0.6	1628	1.82	1.82	1.4	-4.7	0	-0.8	*	3.4	13.1	6.91
	15:00	-4.6	0	-0.7	*	1.5	4.48	1633	3.8	3.8	3	13.2	6.91
	15:15	-4.6	0	-0.7	*	1.5	5.14	1634	4.11	4.11	3.2	13.3	6.91
	15:30	0.3	1633	1.67	1.67	1.3	-4.8	0	-0.8	*	3.3	13.3	6.9
	15:45	-4.4	0	-0.7	*	1.3	-4.7	0	-0.8	*	3	13.3	6.93
	16:00	-4.3	0	-0.7	*	1.3	4.82	1627	3.95	3.95	3.1	13.3	6.93
	16:15	0.27	1668	1.63	1.63	1.3	-4	0	-0.9	*	3.4	13.3	6.91
	16:30	0.54	1660	1.81	1.81	1.4	-4.9	0	-0.8	*	3.4	13.3	6.93
	16:45	-4	0	-0.8	*	1.5	4.65	1660	3.8	3.8	2.9	13.2	6.91
	17:00	-4.7	0	-0.7	*	1.5	5.25	1672	4.25	4.25	3.3	13.2	6.92
	17:15	0.15	1666	1.66	1.66	1.3	-4	0	-0.9	*	3.5	13.2	6.9
	17:30	0.66	1664	1.89	1.89	1.4	-5	0	-0.8	*	3.5	12.8	6.88
	17:45	-4.1	0	-0.9	*	1.5	4.64	1633	3.88	3.88	3	12.6	6.89
	18:00	-4.7	0	-0.7	*	1.5	5.35	1667	4.28	4.28	3.3	12.5	6.92
	18:15	0.2	1677	1.64	1.64	1.2	-31	0	-14	*	3.5	12.5	6.9
	18:30	0.85	1665	1.9	1.9	1.4	-5.1	0	-0.8	*	3.5	12.6	6.86
	18:45	-2.6	0	-0.7	*	1.5	6.32	1899	4.68	4.68	3.1	12.6	6.8
	19:00	-4.1	0	-0.7	*	1.3	7.68	1945	5.49	5.49	3.5	12.6	6.81
	19:15	-4.1	0	-0.7	*	1.3	-9.2	0	-3.5	*	3.9	12.6	6.8
	19:30	-4.1	0	-0.7	*	1.3	7.67	2000	5.46	5.46	3.5	12.6	6.81
	19:45	-2.7	0	-0.7	*	1.3	9.81	2040	6.36	6.36	3.9	12.6	6.79
	20:00	-4.3	0	-0.7	*	1.3	5.01	1662	4	4	3	12.6	6.78
	20:15	-4.3	0	-0.7	*	1.3	5.66	1665	4.37	4.37	3.3	12.6	7.36
	20:30	0.06	1654	1.55	1.55	1.2	-2.7	0	-0.7	*	3.5	12.6	7.36
	20:45	0.56	1665	1.8	1.8	1.4	-4.9	0	-0.8	*	3.5	12.7	7.36

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	21:00	1.86	1503	1.71	1.71	1.5	4.81	1652	3.9	3.9	3	12.7	7.37
	21:15	-4.6	0	-0.7	*	1.5	5.78	1667	4.43	4.43	3.3	12.7	7.37
	21:30	0.06	1663	1.55	1.55	1.2	6.76	1518	4.27	4.27	3.6	12.7	7.38
	21:45	0.58	1671	1.81	1.81	1.4	-4.8	0	-0.8	*	3.6	12.7	7.4
	22:00	1.82	1640	1.91	1.91	1.5	4.67	1663	3.94	3.94	3	12.7	7.41
	22:15	-4.6	0	-0.7	*	1.5	5.68	1667	4.38	4.38	3.3	12.6	7.41
	22:30	-0.1	1656	1.54	1.54	1.2	7.23	1650	4.72	4.72	3.6	12.6	7.44
	22:45	0.54	1667	1.79	1.79	1.3	-4.8	0	-0.8	*	3.6	12.6	7.46
	23:00	1.37	1652	1.9	1.9	1.5	4.68	1674	3.9	3.9	2.9	12.6	7.48
	23:15	-4.5	0	-0.7	*	1.5	5.6	1664	4.34	4.34	3.3	12.6	7.51
	23:30	0.15	1640	1.53	1.53	1.5	6.78	1651	4.65	4.65	3.5	12.6	7.55
	23:45	0.54	1666	1.79	1.79	1.3	-4.7	0	-0.8	*	3.5	12.6	7.63
1/29/2014	0:00	1.17	1652	1.93	1.93	1.4	4.45	1399	3.7	3.7	3.5	12.6	7.37
	0:15	-4.4	0	-0.7	*	1.4	5.58	1662	4.31	4.31	3.3	12.6	7.39
	0:30	-4.3	0	-0.7	*	1.4	6.41	1663	4.66	4.66	3.6	12.6	7.39
	0:45	-1.1	1279	0.97	0.97	1.3	-4.7	0	-0.8	*	3.6	12.6	7.41
	1:00	0.43	1664	1.71	1.71	1.4	-4.7	0	-0.8	*	3.6	12.6	7.41
	1:15	0.63	1660	1.9	1.9	1.5	5.42	1666	4.27	4.27	3.2	12.6	7.41
	1:30	-4.6	0	-0.7	*	1.5	5.92	1666	4.5	4.5	3.4	12.6	7.42
	1:45	-4.5	0	-0.7	*	1.3	-4.8	0	-0.8	*	3.6	12.6	7.4
	2:00	0.4	1663	1.72	1.72	1.4	-4.8	0	-0.8	*	3.6	12.6	7.43
	2:15	0.68	1668	1.88	1.88	1.5	5.4	1662	4.24	4.24	3.2	12.5	7.4
	2:30	-4.5	0	-0.7	*	1.5	6.16	1663	4.62	4.62	3.5	12.6	7.42
	2:45	-4.5	0	-0.7	*	1.3	-4.7	0	-0.8	*	3.6	12.5	7.43
	3:00	0.44	1665	1.74	1.74	1.4	-4.7	0	-0.8	*	3.6	12.5	7.43
	3:15	0.7	1669	1.87	1.87	1.5	5.48	1662	4.26	4.26	3.2	12.5	7.42
	3:30	-4.5	0	-0.7	*	1.5	6.06	1660	4.57	4.57	3.5	12.5	7.45
	3:45	-4.4	0	-0.7	*	1.3	-4.7	0	-0.8	*	3.5	12.5	7.35
	4:00	0.32	1666	1.68	1.68	1.4	-4.7	0	-0.8	*	3.5	12.5	7.46
	4:15	0.81	1669	1.9	1.9	1.5	-4.7	0	-0.8	*	3.2	12.5	7.46
	4:30	-4.4	0	-0.7	*	1.5	5.88	1661	4.46	4.46	3.4	12.5	7.46
	4:45	-4.6	0	-0.7	*	1.3	-3.1	0	-1.5	*	3.5	12.5	7.49
	5:00	0.36	1664	1.7	1.7	1.4	-4.9	0	-0.8	*	3.5	12.5	7.48
	5:15	1.46	1666	1.86	1.86	1.5	5.13	1669	4.15	4.15	3.1	12.4	7.46
	5:30	-4.5	0	-0.7	*	1.5	5.9	1670	4.49	4.49	3.4	12.4	7.47
	5:45	-4.4	0	-0.7	*	1.3	-4.1	0	-0.9	*	3.6	12.4	7.3

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	0.3	1664	1.67	1.67	1.4	-4.8	0	-0.8	*	3.6	12.4	7.31
	6:15	1.15	1667	1.81	1.81	1.5	5.31	1661	4.13	4.13	3.1	12.4	7.28
	6:30	-4.6	0	-0.8	*	1.5	5.88	1665	4.48	4.48	3.4	12.4	7.28
	6:45	-4.3	0	-0.7	*	1.3	-4.1	0	-0.9	*	3.6	12.4	7.3
	7:00	0.34	1663	1.69	1.69	1.4	-4.7	0	-0.8	*	3.6	12.4	7.26
	7:15	0.6	1662	1.86	1.86	1.4	5.52	1668	4.3	4.3	3.2	12.4	7.26
	7:30	-4.5	0	-0.7	*	1.4	6.28	1667	4.68	4.68	3.5	12.4	7.29
	7:45	-3	0	-0.7	*	1.5	5.2	1669	4.12	4.12	3.1	12.3	7.3
	8:00	0.56	1499	1.71	1.71	1.5	5.58	1664	4.33	4.33	3.3	12.3	7.25
	8:15	-4.3	0	-0.7	*	1.5	6.14	1659	4.61	4.61	3.5	12.3	7.32
	8:30	-4.5	0	-0.7	*	1.4	-4.8	0	-0.8	*	3.5	12.3	7.35
	8:45	0.54	1663	1.79	1.79	1.5	-4.8	0	-0.8	*	3.5	12.3	7.34
	9:00	0.76	1663	1.92	1.92	1.5	5.62	1662	4.35	4.35	3.3	12.3	7.33
	9:15	-4.5	0	-0.7	*	1.5	6.3	1668	4.69	4.69	3.5	12.3	7.33
	9:30	-4.6	0	-0.7	*	1.3	5.38	1663	4.21	4.21	3.2	12.3	7.35
	9:45	-4.6	0	-0.7	*	1.3	5.96	1668	4.52	4.52	3.4	12.3	7.37
	10:00	-4.4	0	-0.7	*	1.3	-2.8	0	-0.8	*	3.6	12.3	7.36
	10:15	0.52	1663	1.78	1.78	1.5	-4.8	0	-0.8	*	3.6	12.3	7.37
	10:30	0.82	1668	1.95	1.95	1.5	5.66	1662	4.37	4.37	3.3	12.3	7.36
	10:45	-4.5	0	-0.7	*	1.5	6.22	1670	4.65	4.65	3.5	12.3	7.38
	11:00	-4.5	0	-0.7	*	1.3	-4.8	0	-0.8	*	3.6	12.3	7.37
	11:15	0.4	1665	1.74	1.74	1.5	-4.8	0	-0.8	*	3.6	12.3	7.37
	11:30	0.81	1664	1.9	1.9	1.3	-35	0	-16	*	3.2	12.3	7.38
	11:45	0.57	1667	1.74	1.74	1.4	-5.7	0	-1.6	*	3.2	12.3	7.37
	12:00	1.33	1657	1.86	1.86	1.5	-6.1	0	-1.7	*	3.2	12.3	7.38
	12:15	-5	0	-0.8	*	1.5	5.9	1704	4.6	4.6	3.4	12.3	7.39
	12:30	-4.5	0	-0.7	*	1.2	8	1684	5	5	3.6	12.3	7.39
	12:45	0.37	1695	1.64	1.64	1.4	-5	0	-0.8	*	3.6	12.3	7.42
	13:00	0.37	1695	1.64	1.64	1.5	-3.8	0		*	3.3	12.3	5.58
	13:15	0.61	1694	1.89	1.89	1.3	-4.7	0	-0.8	*	3.5	12.3	7.56
	13:30	0.81	1706	1.99	1.99	1.4	8.8	1666	4.42	4.42	3.5	12.3	7.41
	13:45	-4.5	0	-0.7	*	1.5	-6.1	0	-1.5	*	3.1	12.4	7.57
	14:00	3.38	1672	1.71	1.71	1.3	-4.8	0	-0.8	*	3.2	12.4	7.48
	14:15	0.69	1666	1.84	1.84	1.5	6.77	1664	4.1	4.1	2.8	12.4	7.48
	14:30	-5.6	0	-1.3	*	1.5	-31	0	-14	*	2.7	12.4	7.57
	14:45	0.19	1674	1.72	1.72	1.3	5.91	0	4.3	4.3	2.7	12.4	7.37

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	0.65	1664	1.91	1.91	1.5	4.61	0	3.65	3.65	2.8	12.4	7.37
	15:15	-0	1571	1.5	1.5	1.6	5.69	0	4.19	4.19	2.7	12.4	7.6
	15:30	1.76	1811	1.92	1.92	1.4	-4.3	0	-0.8	*	2.7	12.4	7.61
	15:45	0.99	1794	2.1	2.1	1.5	-2.3	0	-0.8	*	2.7	12.4	7.58
	16:00	-4.6	0	-0.8	*	1.6	-38	0	-18	*	2.8	12.4	7.63
	16:15	1.04	1804	2.06	2.06	1.6	-4.7	0	-0.8	*	3.1	12.4	7.65
	16:30	0.9	1686	1.99	1.99	1.4	4.42	1653	3.75	3.75	3.2	12.4	7.67
	16:45	-4.4	0	-0.7	*	1.5	4.88	1647	4	4	3.2	12.4	7.59
	17:00	-4.5	0	-0.7	*	1.5	-4.8	0	-0.8	*	2.9	12.3	7.67
	17:15	0.6	1675	1.82	1.82	1.5	-4.5	0	-0.8	*	3.1	12.3	7.63
	17:30	0.8	1655	1.96	1.96	1.4	4.46	1642	3.75	3.75	3.3	12.3	7.69
	17:45	-4.5	0	-0.7	*	1.5	5.1	1648	4.11	4.11	3.3	12.3	7.65
	18:00	-4.5	0	-0.7	*	1.6	-4.8	0	-0.8	*	2.9	12.3	7.7
	18:15	1.04	1649	1.78	1.78	1.6	-4.9	0	-0.8	*	3.1	12.3	7.61
	18:30	0.73	1649	1.95	1.95	1.4	4.46	1655	3.75	3.75	3.3	12.4	7.71
	18:45	-4.5	0	-0.8	*	1.5	5.75	1649	4.11	4.11	3.3	12.4	7.59
	19:00	-4.4	0	-0.7	*	1.5	-5.1	0	-0.9	*	2.9	12.4	7.69
	19:15	2.3	1648	1.76	1.76	1.5	-4.9	0	-0.8	*	3.2	12.4	7.54
	19:30	0.69	1648	1.95	1.95	1.4	4.56	1658	3.8	3.8	3.3	12.4	7.68
	19:45	-4.4	0	-0.7	*	1.5	7.68	1646	4.12	4.12	3.3	12.4	7.47
	20:00	-4.3	0	-0.7	*	1.6	-4.9	0	-0.8	*	2.9	12.4	7.71
	20:15	3.04	1636	1.76	1.76	1.6	-4.7	0	-0.8	*	3.2	12.4	7.56
	20:30	0.65	1649	1.95	1.95	1.3	4.3	1647	3.8	3.8	3.3	12.5	7.69
	20:45	-4.5	0	-0.6	*	1.5	8.38	1655	4.21	4.21	2.8	12.5	7.49
	21:00	-4	0	-0.7	*	1.5	-5.7	0	-1.2	*	3.2	12.5	7.71
	21:15	-0	1656	1.74	1.74	1.5	4.01	1645	3.63	3.63	3.4	12.5	7.7
	21:30	-10	0	-3.7	*	1.5	5.98	1659	4.16	4.16	2.9	12.5	7.7
	21:45	-3.9	0	-0.7	*	1.5	5.88	1637	4.46	4.46	3.3	12.5	7.68
	22:00	0.28	1601	1.79	1.79	1.3	4.39	1650	3.78	3.78	3.5	12.5	7.69
	22:15	-4.6	0	-0.8	*	1.5	6.3	1662	4.28	4.28	3.5	12.5	7.7
	22:30	-4.4	0	-0.7	*	1.6	-5.1	0	-0.9	*	3	12.5	7.74
	22:45	1.11	1662	1.75	1.75	1.6	-4.6	0	-0.8	*	3.2	12.5	7.74
	23:00	0.62	1654	1.96	1.96	1.3	4.58	1667	3.94	3.94	3.4	12.5	7.73
	23:15	-4.8	0	-0.8	*	1.5	6.24	1672	4.27	4.27	3.4	12.5	7.77
	23:30	-4.7	0	-0.7	*	1.6	-5.2	0	-0.9	*	3	12.6	7.75
	23:45	1.72	1673	1.77	1.77	1.6	-4.9	0	-0.8	*	3.3	12.6	7.76

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
1/30/2014	0:00	-4.7	0	-0.7	*	1.3	5.51	1669	4.34	4.34	3.5	12.6	7.77
	0:15	0.41	1665	1.7	1.7	1.5	-2.7	0	-0.7	*	3.5	12.5	7.84
	0:30	0.95	1669	1.97	1.97	1.6	-5	0	-0.8	*	2.9	12.5	7.8
	0:45	3.39	1466	2.39	2.39	1.6	4.67	1659	3.83	3.83	3.3	12.5	7.82
	1:00	-4.7	0	-0.7	*	1.3	5.68	1660	4.36	4.36	3.5	12.5	7.83
	1:15	0.53	1653	1.76	1.76	1.5	-2.8	0	-0.8	*	3.5	12.5	7.84
	1:30	0.9	1663	1.97	1.97	1.6	-5	0	-0.8	*	2.9	12.5	7.89
	1:45	2.32	1493	1.94	1.94	1.6	4.66	1656	3.85	3.85	3.3	12.5	7.87
	2:00	-4.7	0	-0.7	*	1.3	5.47	1668	4.36	4.36	3.5	12.5	7.86
	2:15	0.25	1664	1.75	1.75	1.5	7.33	1647	4.64	4.64	3.5	12.5	7.88
	2:30	0.69	1673	1.95	1.95	1.6	-5	0	-0.8	*	2.9	12.6	7.89
	2:45	1.77	1653	2.08	2.08	1.6	4.43	1673	3.84	3.84	3.3	12.6	7.91
	3:00	-4.7	0	-0.7	*	1.3	5.67	1661	4.33	4.33	3.5	12.5	7.88
	3:15	0.4	1664	1.72	1.72	1.5	7.13	1645	4.63	4.63	3.5	12.6	7.9
	3:30	0.9	1673	1.97	1.97	1.6	-5	0	-0.8	*	3.5	12.6	7.9
	3:45	1.51	1653	2.12	2.12	1.6	4.81	1684	3.88	3.88	3.3	12.6	7.95
	4:00	-4.8	0	-0.7	*	1.6	5.51	1657	4.25	4.25	3.5	12.6	7.96
	4:15	0.45	1654	1.7	1.7	1.5	6.56	1651	4.67	4.67	3.5	12.5	7.97
	4:30	0.93	1657	1.94	1.94	1.6	-5	0	-0.8	*	3.5	12.5	7.96
	4:45	1.2	1657	2.12	2.12	1.6	1.33	1002	2.25	2.25	3.3	12.5	7.96
	5:00	-4.7	0	-0.7	*	1.6	5.34	1670	4.32	4.32	3.5	12.5	7.97
	5:15	-1.5	1109	0.85	0.85	1.5	6.53	1657	4.63	4.63	3.5	12.5	7.97
	5:30	0.75	1668	1.98	1.98	1.6	-5.1	0	-0.8	*	3.5	12.5	7.98
	5:45	1.15	1656	2.2	2.2	1.6	0.01	359	1.7	1.7	3.3	12.5	7.99
	6:00	-4.7	0	-0.7	*	1.6	5.58	1663	4.31	4.31	3.6	12.5	8.01
	6:15	-4.7	0	-0.7	*	1.5	6.35	1658	4.65	4.65	3.6	12.5	7.99
	6:30	0.92	1665	2	2	1.6	-5.1	0	-0.8	*	3.6	12.5	8.01
	6:45	1.29	1665	2.12	2.12	1.6	-5.1	0	-0.8	*	3.3	12.5	8.04
	7:00	-4.8	0	-0.7	*	1.6	5.57	1655	4.28	4.28	3.6	12.5	8
	7:15	-4.8	0	-0.7	*	1.5	6.23	1662	4.72	4.72	3.6	12.5	8.02
	7:30	0.97	1653	1.94	1.94	1.6	-5.1	0	-0.8	*	3.6	12.5	8.03
	7:45	1.29	1660	2.12	2.12	1.7	-5.1	0	-0.8	*	3.3	12.5	8.04
	8:00	-4.7	0	-0.7	*	1.3	5.38	1668	4.34	4.34	3.5	12.5	8.05
	8:15	0.44	1665	1.74	1.74	1.5	-2.8	0	-1.4	*	3.5	12.5	7.76
	8:30	0.9	1667	2.01	2.01	1.7	-5	0	-0.8	*	3	12.5	8.06
	8:45	-2.8	0	-1.4	*	1.7	4.82	1666	3.97	3.97	3.3	12.5	7.82

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	-4.7	0	-0.7	*	1.3	5.57	1667	4.39	4.39	3.6	12.5	8.08
	9:15	0.63	1654	1.77	1.77	1.5	9.1	1452	5.2	5.2	3.6	12.5	8.12
	9:30	1.05	1659	1.98	1.98	1.7	-5	0	-0.8	*	3	12.6	8.1
	9:45	3.13	1476	2.28	2.28	1.3	4.93	1656	3.96	3.96	3.3	12.6	8.11
	10:00	0.63	1659	1.77	1.77	1.5	-3	0	-1.5	*	3.3	12.6	7.86
	10:15	0.9	1667	1.97	1.97	1.7	-4.9	0	-0.8	*	3.1	12.6	8.13
	10:30	-1.2	0	0.03	0.03	1.7	5.33	1672	4.14	4.14	3.3	12.6	8.11
	10:45	-4.6	0	-0.7	*	1.4	5.7	1663	4.39	4.39	3.6	12.6	8.16
	11:00	0.59	1655	1.79	1.79	1.5	6.84	1503	4.2	4.2	3.6	12.6	8.12
	11:15	1.02	1667	2.03	2.03	1.6	-4.9	0	-0.8	*	3	12.6	8.08
	11:30	2.15	1509	1.92	1.92	1.6	4.63	1666	3.94	3.94	3.3	12.7	8.11
	11:45	-4.6	0	-0.7	*	1.4	5.78	1666	4.43	4.43	3.6	12.7	8.1
	12:00	0.31	1671	1.76	1.76	1.5	-32	0	-15	*	3.6	12.7	8.09
	12:15	0.91	1661	1.95	1.95	1.6	-4.9	0	-0.8	*	3	12.7	8.18
	12:30	2.13	1652	2.13	2.13	1.6	4.67	1686	3.96	3.96	3.3	12.7	8.25
	12:45	-4.6	0	-0.7	*	1.4	5.7	1661	4.37	4.37	3	12.7	8.18
	13:00	-4.5	0	-0.7	*	1.4	1.81	1174	2.36	2.36	3.3	12.7	8.08
	13:15	-4.5	0	-0.7	*	1.5	5.47	1670	4.36	4.36	3.4	12.7	8.16
	13:30	0.8	1664	1.92	1.92	1.6	-4.9	0	-0.8	*	3.4	12.8	8.17
	13:45	1.76	1648	2.14	2.14	1.4	1.78	1190	2.41	2.41	2.8	12.8	8.15
	14:00	0.58	1670	1.81	1.81	1.5	2.24	1200	2.66	2.66	2.9	12.8	8.17
	14:15	0.78	1660	1.91	1.91	1.6	2.32	1194	2.68	2.68	2.9	12.8	8.13
	14:30	1.11	1665	2.05	2.05	1.6	-2.9	0	-0.8	*	2.8	12.9	8.02
	14:45	0.2	1618	1.62	1.62	1.5	2.14	1196	2.59	2.59	2.8	12.9	8.14
	15:00	0.94	1671	1.99	1.99	1.7	-4.8	0	-0.8	*	2.8	12.9	8.25
	15:15	1.52	1654	2.15	2.15	1.4	1.24	699	2.16	2.16	2.8	12.9	8.25
	15:30	0.62	1670	1.83	1.83	1.5	-4.8	0	-0.8	*	2.8	12.9	8.27
	15:45	0.96	1670	2.02	2.02	1.7	-4.8	0	-0.8	*	2.9	12.9	8.3
	16:00	-4	0	-0.7	*	1.5	2.44	1203	2.74	2.74	2.4	12.9	8.1
	16:15	0.94	1665	1.99	1.99	1.7	-4.8	0	-0.8	*	2.4	12.9	8.18
	16:30	1.28	1665	2.16	2.16	1.4	-4.8	0	-0.8	*	2.8	12.9	8.34
	16:45	0.69	1658	1.84	1.84	1.2	2.14	1198	2.59	2.59	2.9	12.9	8.25
	17:00	-0.9	1191	1.09	1.09	1.6	2.36	1194	2.7	2.7	2.9	12.9	8.61
	17:15	1.25	1665	2.12	2.12	1.5	-4.7	0	-0.8	*	3	12.9	8.28
	17:30	1.64	1892	2.25	2.25	1.7	-4.1	0	-0.9	*	3	12.9	8.27
	17:45	2.16	1904	2.6	2.6	1.9	-4.9	0	-0.8	*	3	13	8.57

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	-3.1	0	-0.7	*	1.6	-4.9	0	-0.8	*	3	13	8.1
	18:15	1.8	1899	2.42	2.42	1.8	-4.9	0	-0.8	*	3	13	8.43
	18:30	2.34	1897	2.69	2.69	1.5	-4.9	0	-0.8	*	3	13	8.29
	18:45	-4.5	0	-0.7	*	1.7	-4.9	0	-0.8	*	3	13.1	8.22
	19:00	1.88	1902	2.46	2.46	1.9	-4.9	0	-0.8	*	3	13.1	8.37
	19:15	0.47	1364	1.71	1.71	1.4	1.62	1200	2.35	2.35	3.5	13.1	8.36
	19:30	1.72	0	2.16	2.16	1.4	7.17	1905	5.17	5.17	3.9	13.1	8.25
	19:45	-4	0	-0.7	*	1.4	8.5	1890	5.68	5.68	3.3	13.2	8.54
	20:00	-4	0	-0.7	*	1.4	6.87	1898	4.93	4.93	3.8	13.2	8.38
	20:15	-4	0	-0.7	*	1.4	8.08	1897	5.58	5.58	4	13.3	8.54
	20:30	-4.3	0	-0.7	*	1.4	-4	0	-0.9	*	3.3	13.3	8.04
	20:45	-0.1	1525	1.42	1.42	1.5	5.88	1520	3.85	3.85	3.3	13.3	8.42
	21:00	0.82	1664	1.93	1.93	1.6	-4.7	0	-0.8	*	3.3	13.4	8.49
	21:15	1.29	1667	2.14	2.14	1.3	-5.5	0.6	-1.3	*	3.2	13.4	8.37
	21:30	0.42	1667	1.73	1.73	1.5	-4.7	0	-0.8	*	3.2	13.4	8.52
	21:45	0.92	1667	1.98	1.98	1.6	-4.7	0	-0.8	*	3.3	13.4	8.31
	22:00	-2.3	0	-1.1	*	1.5	5.4	1660	4.22	4.22	3.3	13.5	8.38
	22:15	0.68	1662	1.86	1.86	1.6	-4.7	0	-0.8	*	3.3	13.5	8.29
	22:30	1.17	1666	2.08	2.08	1.3	-4.7	0	-0.8	*	3.5	13.5	8.84
	22:45	0.38	1672	1.75	1.75	1.5	-4.8	0	-0.8	*	3.5	13.5	10
	23:00	0.65	1668	1.95	1.95	1.7	-4.8	0	-0.8	*	3.5	13.6	8.41
	23:15	-19	0	-9.1	*	1.4	5.94	1735	4.49	4.49	3.5	13.6	8.22
	23:30	0.71	1659	1.85	1.85	1.6	-5	0	-0.8	*	3.5	13.6	7.24
	23:45	1.02	1666	2.03	2.03	1.3	-5	0	-0.8	*	3.2	13.6	7.99
1/31/2014	0:00	0.31	1656	1.65	1.65	1.5	-5	0	-0.8	*	3.2	13.6	7.53
	0:15	0.85	1663	1.92	1.92	1.6	-5	0	-0.8	*	3.2	13.7	7.32
	0:30	1.85	1657	2.12	2.12	1.4	-5	0	-0.8	*	3.2	13.7	8.16
	0:45	0.71	1659	1.81	1.81	1.6	-4.8	0	-0.8	*	3.2	13.7	8.58
	1:00	1.15	1655	2.05	2.05	1.7	-4.8	0	-0.8	*	3.3	13.7	7.35
	1:15	-4.2	0.9	-0.8	*	1.5	5.5	1664	4.27	4.27	3.4	13.7	7.98
	1:30	0.91	1655	1.91	1.91	1.7	-4.8	0	-0.8	*	3.4	13.7	8.99
	1:45	1.33	1658	2.14	2.14	1.4	-4.8	0	-0.8	*	3.5	13.7	8.48
	2:00	0.71	1667	1.85	1.85	1.6	-2.7	0	-1.4	*	3.5	13.7	8.02
	2:15	0.96	1670	2	2	1.7	-5.2	0	-0.8	*	3.1	13.7	11.2
	2:30	-4	0	-0.8	*	1.5	4.82	1658	3.93	3.93	3.2	13.7	8.54
	2:45	0.83	1655	1.87	1.87	1.6	-4.8	0	-0.8	*	3.2	13.7	7.93

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	1.19	1656	2.05	2.05	1.4	-4.8	0	-0.8	*	3.3	13.7	9.35
	3:15	0.33	1668	1.75	1.75	1.5	-4.9	0	-0.8	*	3.3	13.7	8.07
	3:30	0.71	1668	1.96	1.96	1.6	-4.9	0	-0.8	*	3.3	13.7	8.29
	3:45	2.15	1654	2.14	2.14	1.5	-5.9	0.5	-1.4	*	3.4	13.7	7.78
	4:00	0.69	1662	1.84	1.84	1.6	-4.8	0	-0.8	*	3.4	13.7	11.5
	4:15	1.13	1658	2.04	2.04	1.7	-4.8	0	-0.8	*	3.6	13.7	9.64
	4:30	-1.1	727	1.01	1.01	1.6	6.12	1663	4.58	4.58	3.6	13.7	12.3
	4:45	0.92	1663	1.98	1.98	1.7	-5	0	-0.8	*	3.6	13.7	10.7
	5:00	1.22	1666	2.13	2.13	1.4	0.56	1051	1.93	1.93	3.2	13.7	11.8
	5:15	0.58	1666	1.81	1.81	1.6	-4.8	0	-0.8	*	3.2	13.8	8.84
	5:30	0.98	1663	2.03	2.03	1.7	-4.8	0	-0.8	*	3.1	13.8	10.3
	5:45	-2.4	0	-1.2	*	1.5	4.9	1658	3.97	3.97	3.3	13.8	11.3
	6:00	0.61	1668	1.91	1.91	1.7	-4.9	0	-0.8	*	3.3	13.8	9.61
	6:15	1.14	1669	2.13	2.13	1.4	-4.9	0	-0.8	*	3.4	13.8	8.79
	6:30	0.65	1665	1.78	1.78	1.5	-5	0	-0.8	*	3.4	13.8	10.6
	6:45	0.88	1665	1.96	1.96	1.6	-5	0	-0.8	*	3.3	13.8	10.8
	7:00	-2.6	0	-0.7	*	1.4	5.53	1653	4.24	4.24	3.5	13.8	9.82
	7:15	0.66	1659	1.85	1.85	1.6	-5	0	-0.8	*	3.5	13.8	9.8
	7:30	1.08	1665	2.06	2.06	1.4	-5	0	-0.8	*	3.1	13.8	8.22
	7:45	0.51	1654	1.71	1.71	1.5	-5	0	-0.8	*	3.1	13.8	8.15
	8:00	0.89	1669	1.94	1.94	1.7	-5	0	-0.8	*	3.1	13.8	12.3
	8:15	1.78	1654	2.15	2.15	1.4	0.83	1067	2.04	2.04	3.3	13.8	13.6
	8:30	0.62	1666	1.83	1.83	1.6	-5	0	-0.8	*	3.3	13.8	10.4
	8:45	1.02	1662	2.05	2.05	1.7	-5	0	-0.8	*	3.3	13.8	10.6
	9:00	-3.4	0	-0.8	*	1.6	5.17	1663	4.17	4.17	3.4	13.7	9.27
	9:15	0.93	1660	1.96	1.96	1.6	6.5	1653	4.38	4.38	3.4	13.7	8.42
	9:30	1.05	1667	2.02	2.02	1.4	-4.7	0	-0.8	*	3	13.7	10.7
	9:45	0.36	1667	1.74	1.74	1.5	-4.9	0	-0.8	*	3	13.7	12
	10:00	0.67	1676	1.94	1.94	1.7	-4.9	0	-0.8	*	3	13.7	9.59
	10:15	1.77	1655	2.12	2.12	1.4	-4.9	0	-0.8	*	3.2	13.7	9.36
	10:30	0.81	1661	1.86	1.86	1.6	-4.8	0	-0.8	*	3.2	13.7	9.33
	10:45	1.27	1662	2.09	2.09	1.6	-4.8	0	-0.8	*	3.4	13.7	12.6
	11:00	-1.9	0	-0.7	*	1.5	5.6	1665	4.34	4.34	3.4	13.7	9.59
	11:15	0.74	1665	1.91	1.91	1.7	-4.8	0	-0.8	*	3.4	13.7	11.4
	11:30	1.26	1664	2.15	2.15	1.4	-4.8	0	-0.8	*	3.4	13.7	12.3
	11:45	0.63	1658	1.79	1.79	1.6	-4.1	0	-0.9	*	3.4	13.7	11.5

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	0.98	1661	2.01	2.01	1.6	-4.7	0	-0.8	*	3.4	13.8	13.9
	12:15	-4	0	-0.8	*	1.5	-5.7	0.5	-1.3	*	3	13.8	13.7
	12:30	-32	0	-15	*		4.43	1660	3.8	3.8		13.8	7.55
	12:45	0	141		*	1.5	0	0		*	3.4	13.8	9
	13:00	0.59	1661	1.9	1.9	1.6	5.64	1660	4.36	4.36	3.1	13.8	13.3
	13:15	-3.6	0	-0.7	*	1.5	4.85	1665	3.92	3.92	3.1	13.8	9.18
	13:30	0.78	1661	1.91	1.91	1.6	-4.9	0	-0.8	*	3.1	13.9	9.82
	13:45	1.1	1664	2.07	2.07	1.4	-4.9	0	-0.8	*	3.2	13.9	10.5
	14:00	0.71	1658	1.81	1.81	1.5	5.04	1661	4.08	4.08	3.4	13.9	13
	14:15	0.62	1667	1.85	1.85	1.7	-4.7	0	-0.8	*	3.4	13.9	9.57
	14:30	1.24	1659	2.14	2.14	1.5	4.9	1643	3.99	3.99	3.5	13.9	8.81
	14:45	0.66	1665	1.87	1.87	1.6	-2.7	0	-1.3	*	3.5	14	8.99
	15:00	0.86	1664	1.97	1.97	1.7	-4.7	0	-0.8	*	3	14	11
	15:15	2	1514	1.87	1.87	1.5	4.46	1667	3.77	3.77	3.1	14	9.04
	15:30	0.77	1660	1.88	1.88	1.6	-4.9	0	-0.8	*	3.1	14	9.44
	15:45	1.02	1673	2.05	2.05	1.7	-4.9	0	-0.8	*	3.2	14	8.24
	16:00	0.13	1617	1.65	1.65	1.6	-4.9	0	-0.8	*	3.2	14	8.69
	16:15	0.94	1660	1.99	1.99	1.7	-4.9	0	-0.8	*	3.2	14	9.48
	16:30	1.2	1663	2.16	2.16	1.4	0.97	934	2.09	2.09	3.2	14	11.7
	16:45	0.49	1679	1.85	1.85	1.6	-5.2	0	-0.8	*	3.2	14	11.6
	17:00	0.94	1671	2.03	2.03	1.7	-5.2	0	-0.8	*	3.4	14	11.9
	17:15	-2.3	0	-1.2	*	1.5	5.42	1666	4.27	4.27	3.5	14	10.1
	17:30	0.9	1666	1.97	1.97	1.7	-5.1	0	-0.8	*	3.5	14	13.7
	17:45	1.18	1662	2.11	2.11	1.5	-5.1	0	-0.8	*	3.1	14	9.24
	18:00	0.6	1668	1.86	1.86	1.6	-5	0	-0.8	*	3.1	14	10.1
	18:15	0.94	1657	2.01	2.01	1.7	-5	0	-0.8	*	3.1	14	11.4
	18:30	-4.1	0	-0.8	*	1.5	4.67	1675	3.94	3.94	3.2	14	11.7
	18:45	0.74	1667	1.91	1.91	1.7	-4.7	0	-0.8	*	3.2	14	8.4
	19:00	1.12	1663	2.08	2.08	1.4	-4.7	0	-0.8	*	3.3	14	9.76
	19:15	0.58	1667	1.83	1.83	1.6	-4.9	0	-0.8	*	3.3	14	13
	19:30	0.98	1668	2.03	2.03	1.7	-4.9	0	-0.8	*	3.3	14	10.9
	19:45	2.38	1654	2.19	2.19	1.5	5.29	1658	4.14	4.14	3.4	14	12.9
	20:00	0.88	1658	1.96	1.96	1.6	-0	350	1.46	1.46	2.9	14	9.92
	20:15	1.04	1666	2.04	2.04	1.7	-4.8	0	-0.8	*	3.1	14	7.48
	20:30	-1.3	1019	0.84	0.84	1.6	4.82	1666	3.93	3.93	3.1	14	9.38
	20:45	0.9	1665	1.97	1.97	1.7	-4.9	0	-0.8	*	3.1	14	8.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	1.23	1656	2.11	2.11	1.5	3.27	1186	3.13	3.13	3.3	14	8.77
	21:15	0.7	1667	1.87	1.87	1.6	-4.7	0	-0.8	*	3.3	14	10.9
	21:30	1.11	1660	2.05	2.05	1.7	-4.7	0	-0.8	*	3.3	14	13.7
	21:45	-2.1	0	-1	*	1.5	5.34	1667	4.21	4.21	3.4	14	12.4
	22:00	0.69	1668	1.95	1.95	1.7	-4.8	0	-0.8	*	3.4	14	13.2
	22:15	0.93	1675	2.09	2.09	1.5	-4.8	0	-0.8	*	3.4	14	10.5
	22:30	0.79	1663	1.85	1.85	1.6	-15	0	-6.6	*	3.4	14	13.6
	22:45	1.1	1667	2.07	2.07	1.7	-4.9	0	-0.8	*	3.1	14	13.4
	23:00	-24	0	-11	*	1.5	4.5	1678	3.9	3.9	3	14	13.5
	23:15	0.84	1667	1.94	1.94	1.7	-4.8	0	-0.8	*	3	14	9.46
	23:30	1.27	1663	2.13	2.13	1.4	-4.8	0	-0.8	*	3.3	14	8.54
	23:45	0.65	1658	1.82	1.82	1.4	-4.8	0	-0.8	*	3.3	14	9.13
2/1/2014	0:00	0.92	1675	2.02	2.02	1.6	-4.8	0	-0.8	*	3.3	14	12.5
	0:15	1.8	1651	2.2	2.2	1.7	1.56	1146	2.3	2.3	3.3	14	10.8
	0:30	0.87	1657	1.91	1.91	1.5	-4.8	0	-0.8	*	3.3	14	9.24
	0:45	1.1	1660	2.11	2.11	1.6	-4.8	0	-0.8	*	3.3	14	9
	1:00	-3.7	0	-0.8	*	1.7	5.64	1666	4.34	4.34	3.4	14	10.6
	1:15	0.92	1668	1.98	1.98	1.6	-5	0	-0.8	*	3.4	14	12.7
	1:30	1.27	1659	2.13	2.13	1.7	-5	0	-0.8	*	3.4	14	12.5
	1:45	0.95	1659	1.93	1.93	1.5	-5	0	-0.8	*	3.1	14	13.7
	2:00	1.17	1657	2.06	2.06	1.6	-5	0	-0.8	*	3.1	14	14
	2:15	-3.9	0	-0.8	*	1.7	4.88	1666	3.98	3.98	3.1	14	14
	2:30	0.96	1664	2	2	1.6	-4.8	0	-0.8	*	3.2	14	10.6
	2:45	1.24	1664	2.16	2.16	1.7	-4.8	0	-0.8	*	3.2	14	12.3
	3:00	0.49	1665	1.83	1.83	1.4	-4.8	0	-0.8	*	3.3	14	13
	3:15	1.01	1670	2.11	2.11	1.7	-4.8	0	-0.8	*	3.3	14	9.49
	3:30	2.25	1649	2.23	2.23	1.7	5.02	1647	4.05	4.05	3.2	14	13.9
	3:45	0.95	1662	1.95	1.95	1.5	-4.7	0	-0.8	*	3.4	14	11.3
	4:00	1.21	1664	2.08	2.08	1.7	-2.2	0	-1	*	3.4	14	10.4
	4:15	-5.3	1	-1.3	*	1.7	4.77	1674	3.88	3.88	3.1	14	12.5
	4:30	1.65	0	2.15	2.15	1.5	7.46	1900	5.27	5.27	3.6	14	12.6
	4:45	1.65	0	2.15	2.15	1.5	-4.5	0.6	-0.9	*	3.8	14	13.9
	5:00	-4.1	0	-0.7	*	1.5	6.94	1909	5.12	5.12	3.5	14	13
	5:15	1.59	0	2.12	2.12	1.5	7.97	1895	5.57	5.57	3.9	14	12.3
	5:30	-35	0	-16	*	1.5	6.64	1898	4.84	4.84	3.3	14	13.2
	5:45	0.27	1567	1.59	1.59	1.3	-4.6	0	-0.8	*	3.5	14	14

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	0.84	1665	1.94	1.94	1.5	-4.6	0	-0.8	*	3.5	14	8.87
	6:15	1.82	1648	2.19	2.19	1.7	4.12	1563	3.71	3.71	3.5	13.9	12.1
	6:30	0.71	1662	1.81	1.81	1.4	-5.1	0	-0.8	*	3.4	13.9	14
	6:45	1.09	1659	2	2	1.6	-5.1	0	-0.8	*	3.4	13.9	9.03
	7:00	-1.7	0	-0.7	*	1.7	5.57	1668	4.39	4.39	3.5	13.9	10
	7:15	0.79	1659	1.89	1.89	1.5	-5.1	0	-0.8	*	3.5	13.9	14
	7:30	1.18	1662	2.11	2.11	1.7	-5.1	0	-0.8	*	3.5	13.9	14
	7:45	0.42	1660	1.75	1.75	1.4	-4.7	0	-0.8	*	3.2	13.9	12.9
	8:00	0.95	1656	1.97	1.97	1.6	-4.7	0	-0.8	*	3.2	13.9	11.1
	8:15	-3.9	0	-0.8	*	1.6	4.42	1621	3.75	3.75	3.2	13.9	9.3
	8:30	0.49	1669	1.87	1.87	1.5	-4.9	0	-0.8	*	3.2	13.9	10.9
	8:45	0.97	1664	2.09	2.09	1.6	-4.9	0	-0.8	*	3.2	13.9	13.9
	9:00	0.31	1669	1.76	1.76	1.4	-4.9	0	-0.8	*	3.2	13.9	10.2
	9:15	0.97	1658	1.96	1.96	1.6	-4.9	0	-0.8	*	3.2	13.8	11.8
	9:30	2.3	1642	2.15	2.15	1.7	-4.9	0	-0.8	*	3.2	13.8	13.7
	9:45	0.75	1666	1.87	1.87	1.5	5.8	1660	4.42	4.42	3.5	13.8	9.91
	10:00	1.06	1667	2.05	2.05	1.6	-2.6	0	-1.3	*	3.4	13.8	13.8
	10:15	1.23	1662	2.11	2.11	1.6	-4.6	0	-0.8	*	3.4	13.8	13.5
	10:30	0.57	1672	1.87	1.87	1.5	-4.5	0	-0.8	*	3.4	13.8	12.9
	10:45	1.21	1661	2.08	2.08	1.6	4.55	1657	3.86	3.86	3.1	13.8	12.1
	11:00	-2.7	0	-1.2	*	1.7	4.93	1664	4.05	4.05	3.2	13.8	12.9
	11:15	-4.5	0	-0.7	*	1.4	5.46	1667	4.27	4.27	3.4	13.8	12.9
	11:30	0.29	1645	1.75	1.75	1.4	-5.1	0	-0.8	*	3.1	13.8	13.2
	11:45	0.91	1673	2.08	2.08	1.6	-5.1	0	-0.8	*	3.1	13.8	9.56
	12:00	-2.6	0	-0.7	*	1.7	4.71	1651	3.85	3.85	3.1	13.8	12.3
	12:15	0.91	1659	1.91	1.91	1.5	-4.6	0	-0.8	*	3.1	13.9	12.6
	12:30	1.29	1659	2.1	2.1	1.6	4.98	1660	4.03	4.03	3.2	13.9	9.96
	12:45	0.61	1641	1.76	1.76	1.4	-4.8	0	-0.8	*	3.2	13.9	12.1
	13:00	1.15	1654	2.03	2.03	1.6	-4.8	0	-0.8	*	3.2	13.9	10.4
	13:15	1.91	1650	2.17	2.17	1.7	-4.8	0	-0.8	*	3.2	13.9	12.6
	13:30	0.64	1657	1.84	1.84	1.5	-4.7	0	-0.8	*	3.3	13.9	12.3
	13:45	1.08	1662	2.06	2.06	1.6	-4.7	0	-0.8	*	3.3	13.9	12.9
	14:00	-3.9	0	-0.8	*	1.7	5.3	1668	4.19	4.19	3.3	14	11.9
	14:15	0.87	1661	1.91	1.91	1.5	4.38	1590	3.58	3.58	3.4	14	12
	14:30	1.16	1666	2.1	2.1	1.7	1.32	0.7	2.2	2.2	3.4	14	12.9
	14:45	0.45	1667	1.83	1.83	1.4	0.74	0	1.91	1.91	3.4	14	8.85

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	0.73	1674	1.99	1.99	1.5	0.72	0	1.9	1.9	3.4	14	13.5
	15:15	2.36	1644	2.18	2.18	1.7	2.65	1354	2.82	2.82	3.4	14.1	9.79
	15:30	0.57	1667	1.89	1.89	1.5	-4.9	0	-0.8	*	3.2	14.1	11.7
	15:45	1.21	1668	2.1	2.1	1.7	-4.9	0	-0.8	*	3.2	14.1	10.1
	16:00	-0.1	1565	1.6	1.6	1.7	-4.8	0	-0.8	*	3.1	14.1	13.4
	16:15	0.85	1676	2.05	2.05	1.6	4.38	1535	3.71	3.71	3.1	14.1	13
	16:30	1.88	1802	2.5	2.5	1.8	-4.4	0	-0.9	*	3.4	14.1	8.45
	16:45	0.46	1640	1.77	1.77	1.4	4.7	1639	3.91	3.91	3.1	14.1	11
	17:00	1.1	1666	2.07	2.07	1.6	-4.8	0	-0.8	*	3.2	14.1	9.06
	17:15	2.29	1507	1.95	1.95	1.8	4.94	1662	4.03	4.03	3.2	14	11.9
	17:30	1.28	1801	2.16	2.16	1.6	-4.8	0	-0.8	*	3.4	14	13.6
	17:45	1.44	1716	2.26	2.26	1.7	-4.8	0	-0.8	*	3.4	14	13.2
	18:00	-0.7	1252	1.23	1.23	1.8	5.92	1648	4.37	4.37	3.5	14	12.4
	18:15	1.22	1766	2.15	2.15	1.6	-2.9	0	-0.8	*	3.5	14	14
	18:30	2.1	1847	2.59	2.59	1.8	-4.4	0	-0.8	*	3	14	9.36
	18:45	1	1758	2.02	2.02	1.5	-4.4	0	-0.8	*	2.9	14	11.9
	19:00	1.72	1799	2.38	2.38	1.7	4.19	0	3.46	3.46	3.8	14	10.8
	19:15	2.62	1513	2.09	2.09	1.9	-2.6	0	-0.9	*	2.8	14	11.1
	19:30	0.4	1542	1.72	1.72	1.5	-24	0	-11	*	2.8	14	13.9
	19:45	0.9	1584	1.88	1.88	1.5	-4.9	0	-0.8	*	2.8	14	11.7
	20:00	2.2	1645	2.25	2.25	1.8	3.66	1662	3.39	3.39	2.7	14	11.8
	20:15	0.84	1699	1.96	1.96	1.5	-4.7	0	-0.8	*	2.9	14	9.75
	20:30	1.34	1701	2.21	2.21	1.7	-4.7	0	-0.8	*	2.9	14	10.4
	20:45	-3.9	0	-0.8	*	1.8	5.98	1901	4.53	4.53	3.1	14	13.9
	21:00	1.08	1700	2.08	2.08	1.6	-4.9	0	-0.8	*	3.1	14	13.2
	21:15	1.68	1698	2.36	2.36	1.8	-4.9	0	-0.8	*	3.1	14	13.4
	21:30	0.82	1697	1.97	1.97	1.5	-4.9	0	-0.8	*	3.2	13.9	13
	21:45	1.47	1691	2.19	2.19	1.7	-4.9	0	-0.8	*	3.2	13.9	10
	22:00	2.43	1505	2.02	2.02	1.8	4.91	1651	3.93	3.93	3.1	14	13.9
	22:15	1.21	1692	2.1	2.1	1.6	3.74	1648	3.39	3.39	2.7	14	10.3
	22:30	1.21	1692	2.1	2.1	1.6	-4.7	0	-0.8	*	2.8	14	13.6
	22:45	-35	0	-16	*	1.8	4.12	1659	3.58	3.58	2.8	14	9.64
	23:00	1.32	0.8	2.18	2.18	1.8	4.84	1673	4.07	4.07	3.2	14	11.1
	23:15	2.3	218	2.43	2.43	1.8	5.61	1668	4.41	4.41	3.5	14	13.9
	23:30	5.85	1417	4.51	4.51	4.2	7.26	1648	4.76	4.76	3.8	14	9.28
	23:45	1.01	1701	2.09	2.09	1.6	-5.1	0	-0.8	*	2.9	14	12.6

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
2/2/2014	0:00	1.37	1705	2.31	2.31	1.8	-5.1	0	-0.8	*	2.9	14	14
	0:15	0.97	1703	1.96	1.96	1.5	-4.7	0	-0.8	*	3	14	14
	0:30	1.37	1699	2.18	2.18	1.7	-4.7	0	-0.8	*	3	14	10.6
	0:45	-1.9	0	-0.3	*	1.8	4.98	1681	4.01	4.01	3.1	14	14
	1:00	1.21	1692	2.1	2.1	1.6	-4.8	0	-0.8	*	3.1	14	10
	1:15	1.52	1692	2.32	2.32	1.8	-4.8	0	-0.8	*	3.1	14	14
	1:30	0.82	1682	1.93	1.93	1.9	5.08	1663	4.08	4.08	3.2	14	13.7
	1:45	1.38	1703	2.21	2.21	1.7	-4.8	0	-0.8	*	3.2	14	14
	2:00	2.01	1692	2.37	2.37	1.8	0.82	1018	1.93	1.93	3.2	13.9	9.51
	2:15	1.02	1700	2.03	2.03	1.6	-4.8	0	-0.8	*	3.3	13.9	8.38
	2:30	1.42	1705	2.25	2.25	1.7	-4.8	0	-0.8	*	3.3	13.9	10.4
	2:45	-2.6	0	-0.7	*	1.9	5.5	1662	4.29	4.29	3.4	13.9	11.4
	3:00	1.24	1698	2.14	2.14	1.7	-4.8	0	-0.8	*	3.4	13.9	11.8
	3:15	1.74	1699	2.39	2.39	1.9	-4.8	0	-0.8	*	3.4	13.9	8.54
	3:30	0.96	1702	2	2	1.5	-4.9	0	-0.8	*	3	13.9	9.97
	3:45	1.36	1701	2.22	2.22	1.7	-4.9	0	-0.8	*	3	13.9	13.8
	4:00	-4	0	-0.8	*	1.8	4.57	1661	3.78	3.78	3	13.8	11.8
	4:15	1.28	1701	2.16	2.16	1.7	-5	0	-0.8	*	3	13.8	12.4
	4:30	1.68	1702	2.36	2.36	1.8	-5	0	-0.8	*	3	13.8	13.8
	4:45	1.11	1694	2.05	2.05	1.6	-4.9	0	-0.8	*	3.1	13.8	9.7
	5:00	1.51	1698	2.25	2.25	1.8	-4.9	0	-0.8	*	3.1	13.8	9.95
	5:15	-3.3	0	-1	*	1.9	5.28	1683	4.16	4.16	3.2	13.8	10
	5:30	1.16	1700	2.12	2.12	1.6	-4.9	0	-0.8	*	3.2	13.8	10.2
	5:45	1.66	1701	2.35	2.35	1.8	-5	0	-0.8	*	3.2	13.8	13.6
	6:00	0.95	1690	1.97	1.97	1.5	-5	0	-0.8	*	2.9	13.8	12.2
	6:15	1.51	1695	2.25	2.25	1.7	-5	0	-0.8	*	2.9	13.8	13
	6:30	2.22	1686	2.41	2.41	1.9	3.97	1600	3.46	3.46	2.9	13.8	8.25
	6:45	1.16	1696	2.1	2.1	1.6	-4.7	0	-0.8	*	3	13.8	13.9
	7:00	1.58	1700	2.33	2.33	1.8	-4.7	0	-0.8	*	3	13.8	13.6
	7:15	-3.9	0	-0.8	*	1.9	5.06	1664	4.05	4.05	3.2	13.8	10.4
	7:30	1.49	1699	2.2	2.2	1.7	-4.9	0	-0.8	*	3.2	13.8	13.9
	7:45	1.91	1694	2.41	2.41	1.8	-4.9	0	-0.8	*	3.2	13.8	9.03
	8:00	1.16	1696	2.1	2.1	1.6	-3.9	0	-0.9	*	3.3	13.8	10.4
	8:15	-4.4	0	-0.7	*	1.7	-4.7	0	-0.8	*	3	13.8	8.2
	8:30	1.73	1705	2.36	2.36	1.8	-4.7	0	-0.8	*	3	13.7	14
	8:45	1.1	1701	2.09	2.09	1.6	-4.9	0	-0.8	*	3.1	13.7	12

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	1.6	1697	2.32	2.32	1.8	-4.9	0	-0.8	*	3.1	13.7	11.5
	9:15	-25	0	-11	*	1.9	4.71	1675	3.98	3.98	3.1	13.7	13.1
	9:30	1.17	1705	2.17	2.17	1.7	-5	0	-0.8	*	3.2	13.7	14
	9:45	1.8	1701	2.44	2.44	1.9	-5	0	-0.8	*	3.2	13.7	11.3
	10:00	0.89	1705	2.05	2.05	1.6	5.63	1655	4.14	4.14	3.2	13.7	12.9
	10:15	1.41	1708	2.29	2.29	1.8	-5.1	0	-0.8	*	3.2	13.7	7.53
	10:30	3.07	1689	2.51	2.51	1.9	-5.1	0	-0.8	*	3.2	13.7	13.3
	10:45	1.2	1701	2.16	2.16	1.7	-4.9	0	-0.8	*	3.1	13.7	10.5
	11:00	1.57	1708	2.39	2.39	1.8	-4.9	0	-0.8	*	3.1	13.6	12.7
	11:15	-5	0.9	-1.1	*	1.9	4.86	1654	3.95	3.95	3.1	13.6	14
	11:30	1.34	1709	2.23	2.23	1.7	-4.9	0	-0.8	*	3.1	13.6	10.8
	11:45	1.83	1704	2.52	2.52	1.9	-4.9	0	-0.8	*	3.1	13.6	13.5
	12:00	1.37	1691	2.14	2.14	1.7	-5.2	0	-0.8	*	3.2	13.6	11.5
	12:15	1.75	1697	2.35	2.35	1.8	-5.2	0	-0.8	*	3.2	13.6	14
	12:30	-4	0	-0.8	*	1.9	5.29	1672	4.14	4.14	3.2	13.6	12.6
	12:45	1.48	1693	2.26	2.26	1.7	4.44	1661	3.76	3.76	2.9	13.6	9.13
	13:00	1.92	1699	2.48	2.48	1.9	-4.8	0	-0.8	*	3	13.5	13.6
	13:15	-4.6	0	-0.7	*	1.6	0.34	159	1.73	1.73	3	13.5	12.1
	13:30	-4.6	0	-0.7	*	1.6	5.28	1667	4.18	4.18	3.3	13.5	8.72
	13:45	-4.6	0	-0.7	*	1.6	-4	0	-0.9	*	3.4	13.5	13.7
	14:00	-4.5	0	-0.7	*	1.6	4.91	1671	4.04	4.04	3.1	13.5	10.5
	14:15	-4.6	0	-0.7	*	1.6	5.8	1660	4.42	4.42	3.5	13.5	13.5
	14:30	-4.4	0	-0.7	*	1.7	-4.6	0	-0.8	*	3	13.5	14
	14:45	1.82	1696	2.43	2.43	1.9	-4.9	0	-0.8	*	3	13.5	12.4
	15:00	-4.7	0	-0.7	*	1.9	-4.9	0	-0.8	*	3.3	13.5	12.1
	15:15	-4.7	0	-0.7	*	1.9	5.71	1658	4.33	4.33	3.4	13.5	12.7
	15:30	-4.5	0	-0.7	*	1.7	4.52	1662	3.8	3.8	3	13.5	13.5
	15:45	-4.5	0	-0.7	*	1.7	5.59	1658	4.27	4.27	3.3	13.5	14
	16:00	1.53	1693	2.22	2.22	1.7	-5.1	0	-0.8	*	3.5	13.5	14
	16:15	2.05	1694	2.5	2.5	1.9	-5.1	0	-0.8	*	3.5	13.4	13.8
	16:30	-4.4	0	-0.7	*	2	6.18	0	3.72	3.72	3.7	13.4	13.3
	16:45	1.42	1695	2.23	2.23	1.7	-4.6	0	-0.8	*	3.7	13.4	12.1
	17:00	1.98	1705	2.51	2.51	1.9	-4.7	0	-0.8	*	3.7	13.4	10.5
	17:15	2.12	0	2.36	2.36	1.9	5.44	1698	4.24	4.24	3.2	13.4	14
	17:30	2.1	0	2.35	2.35	1.6	7.76	1899	5.42	5.42	3.7	13.3	9.57
	17:45	2.08	0	2.34	2.34	1.6	6.59	1897	4.79	4.79	3.3	13.3	13.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	-4	0	-0.7	*	1.6	7.56	1898	5.3	5.3	3.6	13.3	9.57
	18:15	-2.9	0	0.05	0.05	1.6	-12	0	-5	*	3.9	13.3	11
	18:30	1.08	1674	2.06	2.06	1.6	-5	0	-0.8	*	3.9	13.3	9.72
	18:45	1.52	1664	2.3	2.3	1.8	-5	0	-0.8	*	3.9	13.3	12.1
	19:00	-3.4	0	-0.7	*	1.9	4.65	1668	3.93	3.93	3	13.3	8.78
	19:15	1.27	1664	2.11	2.11	1.6	-5.1	0	-0.8	*	3.1	13.3	13
	19:30	1.79	1669	2.39	2.39	1.8	-5.1	0	-0.8	*	3.1	13.3	9.8
	19:45	1.19	1686	2.05	2.05	1.6	-5.2	0	-0.8	*	3.5	13.3	8.58
	20:00	1.71	1694	2.31	2.31	1.8	-5.2	0	-0.8	*	3.5	13.3	10
	20:15	3.75	1475	2.57	2.57	1.9	5.31	1648	4.15	4.15	3.2	13.3	10
	20:30	1.37	1695	2.18	2.18	1.7	-4.8	0	-0.8	*	3.4	13.3	10
	20:45	1.6	1694	2.34	2.34	1.8	-4.8	0	-0.8	*	3.4	13.3	11.7
	21:00	-0	1465	1.57	1.57	1.9	8.36	1888	5.57	5.57	3.8	13.3	12.2
	21:15	1.38	1669	2.21	2.21	1.7	-4.8	0	-0.8	*	3.8	13.3	11.2
	21:30	1.85	1659	2.42	2.42	1.8	6.34	1946	4.73	4.73	3.1	13.2	13.5
	21:45	1.01	1651	2	2	1.6	-4.5	0	-0.8	*	3.4	13.2	8.39
	22:00	1.4	1661	2.22	2.22	1.7	-4.5	0	-0.8	*	3.4	13.2	11.5
	22:15	2.55	1504	2.08	2.08	1.9	2.77	1271	2.97	2.97	3.4	13.2	14
	22:30	-4.5	0	-0.7	*	1.6	-4.7	0	-0.8	*	3.6	13.2	13.9
	22:45	1.48	1661	2.26	2.26	1.8	-4.7	0	-0.8	*	3.6	13.2	11
	23:00	-3.1	0	-0.7	*	1.9	5.86	1667	4.45	4.45	3.4	13.2	13.1
	23:15	-0.1	1132	1.46	1.46	1.6	-4.7	0	-0.8	*	3.5	13.2	13
	23:30	1.56	1667	2.3	2.3	1.8	-4.7	0	-0.8	*	3.5	13.2	9.85
	23:45	-0.4	862	1.3	1.3	1.9	5.28	1660	4.16	4.16	3.2	13.2	7.23
2/3/2014	0:00	1.4	1662	2.22	2.22	1.7	-4.9	0	-0.8	*	3.3	13.2	9.24
	0:15	1.78	1663	2.41	2.41	1.9	-4.9	0	-0.8	*	3.3	13.2	7.92
	0:30	1.08	1668	2.1	2.1	1.6	-4.8	0	-0.8	*	3.5	13.2	11.4
	0:45	1.49	1669	2.37	2.37	1.8	-4.8	0	-0.8	*	3.5	13.2	13.9
	1:00	-2.9	0	-0.7	*	1.9	5.6	1666	4.34	4.34	3.4	13.2	14
	1:15	1.45	1667	2.2	2.2	1.7	-4.8	0	-0.8	*	3.4	13.2	10.5
	1:30	1.85	1662	2.4	2.4	1.8	-4.8	0	-0.8	*	3.4	13.1	8.69
	1:45	1.25	1654	2.12	2.12	1.6	-2.8	0	-0.8	*	3.5	13.1	7.91
	2:00	1.54	1667	2.29	2.29	1.8	-5	0	-0.8	*	3	13.2	13.4
	2:15	-3.8	0	-1.3	*	1.9	4.83	1674	3.89	3.89	3	13.2	11.5
	2:30	1.38	1667	2.21	2.21	1.7	-4.8	0	-0.8	*	3.2	13.2	14
	2:45	1.64	1666	2.34	2.34	1.8	-4.8	0	-0.8	*	3.2	13.2	11.2

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	1.17	1658	2.06	2.06	1.9	-4.8	0	-0.8	*	3.3	13.2	8.65
	3:15	1.46	1661	2.25	2.25	1.8	-4.8	0	-0.8	*	3.3	13.2	7.79
	3:30	2.38	1644	2.47	2.47	1.9	1.87	997	2.43	2.43	3.3	13.1	8.74
	3:45	1.37	1659	2.14	2.14	1.6	-4.9	0	-0.8	*	3.4	13.1	10.8
	4:00	1.79	1656	2.37	2.37	1.8	-4.9	0	-0.8	*	3.4	13.1	9.35
	4:15	-1.8	0	-0.7	*	1.9	5.89	1667	4.55	4.55	3.5	13.1	11.2
	4:30	1.46	1663	2.25	2.25	1.7	-4.7	0	-0.8	*	3.6	13.1	13
	4:45	1.94	1668	2.49	2.49	1.9	-4.7	0	-0.8	*	3.6	13.1	10.9
	5:00	1.16	1660	2.12	2.12	1.6	-4.9	0	-0.8	*	3.2	13	12.9
	5:15	1.73	1657	2.34	2.34	1.8	-4.9	0	-0.8	*	3.2	13	12.7
	5:30	-4	0	-0.8	*	1.9	5.54	1666	4.29	4.29	3.3	13	10.8
	5:45	1.31	1671	2.24	2.24	1.8	-4.8	0	-0.8	*	3.4	13	11.1
	6:00	1.73	1667	2.47	2.47	1.9	-4.8	0	-0.8	*	3.4	13	14
	6:15	1.08	1658	2.08	2.08	1.6	5.9	1662	4.47	4.47	3.4	12.9	9.91
	6:30	1.58	1663	2.33	2.33	1.8	-4.9	0	-0.8	*	3.4	12.9	13.2
	6:45	2.59	1625	2.25	2.25	1.9	5.31	1633	4.24	4.24	3.3	12.9	11.8
	7:00	1.34	1661	2.19	2.19	1.7	5.3	1575	4.21	4.21	3.5	12.9	10.2
	7:15	1.62	1665	2.33	2.33	1.8	-4.7	0	-0.8	*	3.1	12.9	13.8
	7:30	-3.9	0	-0.8	*	1.9	5.28	1668	4.18	4.18	3.2	12.9	13.5
	7:45	1.57	1660	2.24	2.24	1.7	-4.9	0	-0.8	*	3.1	12.9	11.3
	8:00	1.95	1666	2.47	2.47	1.9	-4.9	0	-0.8	*	3.1	12.9	11.3
	8:15	1.35	1657	2.15	2.15	1.6	-4.9	0	-0.8	*	3.4	12.9	13.6
	8:30	1.75	1658	2.33	2.33	1.8	-4.9	0	-0.8	*	3.4	12.9	9.93
	8:45	3.08	1495	2.3	2.3	1.9	-4.9	0	-0.8	*	3.4	12.9	13.6
	9:00	1.48	1666	2.26	2.26	1.7	-2.8	0	-0.8	*	3.5	12.9	10.9
	9:15	1.9	1662	2.47	2.47	1.9	-4.9	0	-0.8	*	3.5	12.9	9.27
	9:30	1.04	1637	2.04	2.04	1.9	-4.7	0	-0.8	*	3.2	12.9	13.5
	9:45	1.64	1662	2.34	2.34	1.8	-4.7	0	-0.8	*	3.2	12.9	11
	10:00	2.3	1658	2.54	2.54	1.9	-4.7	0	-0.8	*	3.2	12.9	13.6
	10:15	1.38	1662	2.23	2.23	1.7	5.5	1663	4.29	4.29	3.3	12.9	13.1
	10:30	1.58	1622	2.31	2.31	1.8	-4.8	0	-0.8	*	3.3	12.9	9.55
	10:45	0.92	89.5	2.26	2.26	1.8	6.02	1665	4.53	4.53	3.5	12.9	8.79
	11:00	-2.7	0	-1.2	*	1.8	5.27	1664	4.13	4.13	3.2	12.9	9.14
	11:15	1.3	1657	2.17	2.17	1.7	-4.7	0	-0.8	*	3.3	12.9	8.7
	11:30	1.66	1661	2.37	2.37	1.8	-4.7	0	-0.8	*	3.3	12.9	11.9
	11:45	0.94	1612	2.12	2.12	1.9	5.48	1658	4.28	4.28	3.3	12.9	13.8

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	1.45	1672	2.31	2.31	1.8	-4.9	0	-0.8	*	3.4	12.9	12.4
	12:15	1.81	1667	2.49	2.49	1.9	-4.9	0	-0.8	*	3.4	12.9	14
	12:30	1.25	1667	2.21	2.21	1.7	-4.9	0	-0.8	*	3.4	12.8	9.13
	12:45	1.66	1658	2.35	2.35	1.8	5.84	1659	4.48	4.48	3.4	12.8	9
	13:00	-2.1	0	-1	*	1.9	5.13	1673	4.19	4.19	3.2	12.9	10.5
	13:15	1.6	1670	2.32	2.32	1.8	-4.8	0	-0.8	*	3.3	12.9	13.4
	13:30	2	1661	2.52	2.52	1.9	-4.8	0	-0.8	*	3.3	12.9	11.7
	13:45	-4.5	0	-0.7	*	1.7	-4.7	0	-0.8	*	3.4	12.9	12.4
	14:00	1.46	1663	2.29	2.29	1.8	-4.7	0	-0.8	*	3.5	13	8.29
	14:15	1.9	1664	2.47	2.47	1.9	-4.7	0	-0.8	*	3.5	12.9	8.17
	14:30	1.19	1670	2.2	2.2	1.7	-4.7	0	-0.8	*	3.5	12.9	11
	14:45	1.74	1670	2.43	2.43	1.9	-4.7	0	-0.8	*	3.5	12.9	9
	15:00	-3.9	0	-0.8	*	1.9	6.02	1667	4.53	4.53	3.5	12.9	8.66
	15:15	-4.5	0	-0.7	*	1.7	-4.7	0	-0.8	*	3.6	12.9	8.67
	15:30	1.8	1661	2.42	2.42	1.9	-4.6	0	-0.8	*	3.6	12.9	9.74
	15:45	-4	0	-0.8	*	1.9	5.32	1666	4.2	4.2	3.2	12.9	10.2
	16:00	1.64	1665	2.34	2.34	1.8	-4.8	1667	-0.8	*		12.9	8.97
	16:15	1.9	1663	2.47	2.47	1.9	-4.8	1667	-0.8	*		12.9	13.4
	16:30	1.25	1642	2.1	2.1	1.7	-4.9	0	-0.8	*	3.4	12.9	13.3
	16:45	1.79	1662	2.39	2.39	1.9	-4.9	0	-0.8	*	3.4	12.9	10.4
	17:00	2.62	1652	2.57	2.57	2	5.34	1640	4.23	4.23	3.3	12.9	8.75
	17:15	1.48	1667	2.26	2.26	1.7	-4.9	0	-0.8	*	3.5	12.9	13.7
	17:30	1.75	1675	2.5	2.5	1.9	-4.9	0	-0.8	*	3.5	12.9	10.6
	17:45	-4.1	0	-0.8	*	2	6.28	1664	4.68	4.68	3.6	12.9	13.7
	18:00	1.66	1665	2.35	2.35	1.8	-4.9	0	-0.8	*	3.6	12.9	8.18
	18:15	2.04	1667	2.54	2.54	1.9	-5.9	0.5	-1.3	*	3.6	12.9	8.93
	18:30	1.6	1661	2.32	2.32	1.8	-4.6	0	-0.8	*	3.3	12.9	12.7
	18:45	1.94	1658	2.49	2.49	1.9	-4.6	0	-0.8	*	3.3	12.9	13.3
	19:00	-2.6	0	-1.1	*	2	4.8	1587	3.92	3.92	3.3	12.9	10
	19:15	1.7	1669	2.41	2.41	1.8	-4.9	0	-0.8	*	3.3	12.9	9.7
	19:30	1.98	1670	2.53	2.53	1.9	-4.9	0	-0.8	*	3.3	12.9	11
	19:45	1.57	1659	2.24	2.24	1.7	-4.6	0	-0.8	*	3.5	12.9	13.4
	20:00	1.93	1664	2.44	2.44	1.9	-4.7	0	-0.8	*	3.5	12.9	14
	20:15	4.05	1474	2.72	2.72	2	5.8	1659	4.44	4.44	3.4	12.9	10.1
	20:30	1.6	1664	2.34	2.34	1.8	-5	0	-0.8	*	3.5	12.9	9.48
	20:45	2.02	1668	2.53	2.53	1.9	-5	0	-0.8	*	3.5	12.9	10.1

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	1.22	1633	2.15	2.15	2	-4.7	0	-0.8	*	3.3	12.9	12.5
	21:15	1.8	1663	2.44	2.44	1.9	-4.7	0	-0.8	*	3.3	12.9	12.3
	21:30	2.38	1654	2.58	2.58	2	1.08	1002	2.06	2.06	3.3	12.9	9.29
	21:45	1.61	1660	2.3	2.3	1.8	-4.8	0	-0.8	*	3.4	12.9	13.8
	22:00	2.09	1657	2.52	2.52	1.9	-4.8	0	-0.8	*	3.4	12.9	9.52
	22:15	-2.1	0	-1	*	2	6.02	1662	4.55	4.55	3.5	12.9	11.9
	22:30	1.61	1667	2.41	2.41	1.8	-4.9	0	-0.8	*	3.5	13	9.81
	22:45	1.95	1669	2.6	2.6	2	-4.9	0	-0.8	*	3.5	13	10.9
	23:00	1.51	1645	2.25	2.25	1.7	-5.4	0	-1.5	*	3.6	13	13.7
	23:15	1.96	1666	2.5	2.5	1.9	-4.8	0	-0.8	*	3.1	13	9.34
	23:30	-11	0	-4.4	*	2	5.11	1669	4.14	4.14	3.2	13	12.8
	23:45	1.78	1661	2.41	2.41	1.9	-4.7	0	-0.8	*	3.3	13	7.83
2/4/2014	0:00	2.04	1666	2.54	2.54	1.9	-4.7	1	-0.8	*	3.3	13	12.8
	0:15	1.49	1672	2.24	2.24	1.7	-4.9	1	-0.8	*	3.4	13	7.7
	0:30	1.92	1663	2.48	2.48	1.9	-4.9	0	-0.8	*	3.4	13	9.16
	0:45	3.13	1648	2.65	2.65	2	5.4	1647	4.24	4.24	3.4	13	11.1
	1:00	1.56	1672	2.34	2.34	1.8	-4.6	0	-0.8	*	3.5	13	9.97
	1:15	1.96	1668	2.54	2.54	2	-4.6	1	-0.8	*	3.5	13	10.2
	1:30	-3.7	1	-0.8	*	2	6.52	1669	4.8	4.8	3.7	13	12.6
	1:45	1.86	1660	2.45	2.45	1.8	-4.9	1	-0.8	*	3.6	13	13.1
	2:00	2.25	1660	2.62	2.62	2	-4.9	1	-0.8	*	3.6	13.1	7.46
	2:15	1.6	1665	2.32	2.32	1.8	-5	0	-0.8	*	3.3	13.1	13.7
	2:30	2.51	1499	2.1	2.1	1.9	5.59	1655	4.27	4.27	3.3	13.1	13.9
	2:45	-4.1	1	-0.7	*	1.8	6.32	1661	4.72	4.72	3.6	13.1	12.7
	3:00	-4.1	1	-0.7	*	1.7	5.28	1653	4.16	4.16	3.2	13.1	10.7
	3:15	-4.1	1	-0.7	*	1.8	5.93	1665	4.57	4.57	3.5	13.1	9.18
	3:30	-2.7	1	-0.7	*	1.7	-2.8	0	-0.8	*	3.7	13.1	8.51
	3:45	-4.4	1	-0.7	*	1.7	-4.7	0	-0.8	*	3.3	13.1	11
	4:00	1.65	1664	2.32	2.32	1.8	-4.7	0	-0.8	*	3.3	13.1	14
	4:15	2.08	1659	2.56	2.56	2	-4.7	1	-0.8	*	3.3	13.1	12.8
	4:30	1.41	1662	2.18	2.18	1.7	-4.8	1	-0.8	*	3.4	13.1	9.53
	4:45	1.72	1667	2.4	2.4	1.8	-4.8	1	-0.8	*	3.4	13.1	7.93
	5:00	-3.9	1	-0.8	*	2	5.86	1669	4.49	4.49	3.4	13	13.9
	5:15	1.5	1664	2.27	2.27	1.7	-4.9	0	-0.8	*	3.6	13	13
	5:30	1.88	1667	2.48	2.48	1.9	-4.9	0	-0.8	*	3.6	13	14
	5:45	1.16	1662	2.12	2.12	1.6	-2.7	436	-0.7	*	3.7	13	12.1

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	1.59	1659	2.29	2.29	1.8	-4.6	0	-0.8	*	3.7	13	14
	6:15	1.99	1660	2.49	2.49	1.9	-4.6	0	-0.8	*	3.7	13	10.6
	6:30	1.53	1662	2.22	2.22	1.7	-4.8	1	-0.8	*	3.3	13	8.31
	6:45	1.84	1672	2.46	2.46	1.9	-4.8	0	-0.8	*	3.3	13	13.2
	7:00	-3.8	1	-0.8	*	2	5.62	1662	4.35	4.35	3.3	13	13.1
	7:15	1.75	1657	2.33	2.33	1.8	-4.9	1	-0.8	*	3.3	13.1	11.2
	7:30	1.99	1654	2.49	2.49	2	-4.9	1	-0.8	*	3.3	13	14
	7:45	1.3	1658	2.19	2.19	1.7	6.2	1662	4.64	4.64	3.6	13	13.9
	8:00	1.8	1665	2.44	2.44	1.9	-4.9	1	-0.8	*	3.6	13	12.4
	8:15	3.77	1484	2.6	2.6	2	-4.9	0	-0.8	*	3.6	13	12.5
	8:30	1.6	1659	2.32	2.32	1.8	5.07	1648	4.01	4.01	3.1	13	8.46
	8:45	1.79	1664	2.39	2.39	1.8	-4.7	1	-0.8	*	3.3	13	14
	9:00	-2.6	1	-1.1	*	2	5.44	1664	4.26	4.26	3.3	13	9.44
	9:15	1.61	1670	2.39	2.39	1.9	-4.8	1	-0.8	*	3.4	13	9.65
	9:30	1.89	1668	2.57	2.57	1.9	-4.8	1	-0.8	*	3.4	13	12.5
	9:45	1.57	1659	2.24	2.24	1.7	-4.8	0	-0.8	*	3.5	13	9.68
	10:00	1.97	1666	2.48	2.48	1.9	-4.8	0	-0.8	*	3.5	13	9.74
	10:15	-3.8	655	-1.3	*	2	6	1680	4.54	4.54	3.4	13	13.8
	10:30	-4.4	1	-0.7	*	1.8	-4.7	0	-0.8	*	3.6	13.1	12.5
	10:45	1.88	1663	2.46	2.46	1.9	-4.8	0	-0.8	*	3.2	13.1	12.3
	11:00	1.91	1664	2.45	2.45	1.9	-4.8	1	-0.8	*	3.2	13.1	9.46
	11:15	1.42	1659	2.23	2.23	1.7	5.72	1665	4.4	4.4	3.4	13.1	8.36
	11:30	1.84	1666	2.44	2.44	1.9	-4.7	1	-0.8	*	3.4	13.1	12.7
	11:45	2.24	1663	2.55	2.55	2	-4.7	0	-0.8	*	3.4	13.1	12.1
	12:00	1.54	1662	2.33	2.33	1.8	-4.8	0	-0.8	*	3.4	13.1	13.8
	12:15	1.88	1661	2.5	2.5	1.9	-4.8	1	-0.8	*	3.4	13.1	10.1
	12:30	-2.5	1	-1.2	*	2	3.94	1305	3.49	3.49	3.4	13.1	12.5
	12:45	1.64	1667	2.34	2.34	1.8	-4.8	1	-0.8	*	3.5	13.1	9.53
	13:00	2.18	1662	2.61	2.61	2	-4.8	1	-0.8	*	3.5	13.1	10.1
	13:15	1.33	1674	2.27	2.27	1.7	-4.8	1	-0.8	*	3.5	13.1	14
	13:30	1.86	1677	2.49	2.49	1.9	-4.8	1	-0.8	*	3.5	13.1	13.1
	13:45	3.38	1651	2.69	2.69	2	5.1	1656	4.07	4.07	3.2	13.1	13.9
	14:00	1.65	1667	2.32	2.32	1.8	-4.7	0	-0.8	*	3.4	13.1	9.18
	14:15	1.96	1671	2.5	2.5	1.9	-4.7	1	-0.8	*	3.4	13.1	11.7
	14:30	0.05	865	1.5	1.5	2	5.78	1664	4.41	4.41	3.4	13.1	9.83
	14:45	1.64	1667	2.36	2.36	1.8	-4.7	0	-0.8	*	3.4	13.1	13.7

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	2.1	1669	2.59	2.59	2	-4.7	0	-0.8	*	3.4	13.1	11.9
	15:15	1.36	1657	2.24	2.24	1.7	5.94	1661	4.51	4.51	3.5	13.1	14
	15:30	-4.2	1	-0.7	*	1.9	-4.5	1	-0.8	*	3.6	13.1	9.4
	15:45	2.08	1667	2.56	2.56	2	-4.6	0	-0.8	*	3.6	13.1	9.5
	16:00	1.55	1661	2.27	2.27	1.8	-4.8	1	-0.8	*	3.4	13.1	13.3
	16:15	1.88	1663	2.46	2.46	1.9	-4.8	1	-0.8	*	3.4	13.1	13.1
	16:30	-2.6	1	-0.7	*	2	5.54	1665	4.31	4.31	3.3	13.1	10.9
	16:45	1.7	1667	2.37	2.37	1.8	-4.8	0	-0.8	*	3.5	13.1	14
	17:00	2.08	1667	2.56	2.56	2	-4.8	1	-0.8	*	3.5	13.1	13.4
	17:15	1.49	1658	2.24	2.24	1.7	-4.8	0	-0.8	*	3.6	13.1	13.9
	17:30	1.94	1662	2.49	2.49	1.9	-4.8	0	-0.8	*	3.6	13.1	14
	17:45	2.62	1654	2.61	2.61	2	5.8	1656	4.46	4.46	3.5	13.1	10.6
	18:00	1.72	1633	2.29	2.29	1.8	-3.5	1	-0.8	*	3.6	13.1	13.5
	18:15	1.76	1642	2.4	2.4	1.9	-4.5	0	-0.8	*	3.6	13.1	11.4
	18:30	2.71	1628	2.59	2.59	2	4.97	1647	4.09	4.09	3.2	13.1	9.89
	18:45	1.39	1634	2.19	2.19	1.7	-4.7	1	-0.8	*	3.4	13.1	11.9
	19:00	1.99	1638	2.49	2.49	1.9	-4.7	1	-0.8	*	3.4	13.1	7.7
	19:15	-4	1	-0.8	*	2	5.64	1656	4.36	4.36	3.4	13.1	11.7
	19:30	1.53	1652	2.37	2.37	1.8	-4.8	0	-0.8	*	3.4	13.1	12.9
	19:45	1.89	1656	2.57	2.57	2	-4.8	0	-0.8	*	3.4	13.1	11.7
	20:00	1.43	1634	2.17	2.17	1.7	-4.9	1	-0.8	*	3.6	13.1	8.36
	20:15	1.9	1651	2.47	2.47	1.9	-4.9	0	-0.8	*	3.6	13.1	13.1
	20:30	-9.5	1	-3.4	*	1.9	6.43	1660	4.84	4.84	3.7	13.1	10
	20:45	-13	1	-5.5	*	2	5.69	1658	4.43	4.43	3.4	13.1	11
	21:00	1.6	1657	2.32	2.32	1.8	-4.9	0	-0.8	*	3.4	13.1	11.7
	21:15	1.98	1651	2.51	2.51	2	-4.9	1	-0.8	*	3.4	13.1	12.3
	21:30	1.34	1650	2.19	2.19	1.7	-4.9	1	-0.8	*	3.5	13.1	12.7
	21:45	1.9	1658	2.47	2.47	1.9	-4.9	0	-0.8	*	3.5	13.1	9.49
	22:00	3.02	1641	2.64	2.64	2	5.86	1646	4.47	4.47	3.5	13.1	9.35
	22:15	1.64	1660	2.34	2.34	1.8	-4.7	1	-0.8	*	3.6	13	7.75
	22:30	2.06	1653	2.57	2.57	2	-4.7	0	-0.8	*	3.6	13	14
	22:45	-4.1	1	-0.7	*	2	6.52	1656	4.8	4.8	3.7	13	11.5
	23:00	1.79	1649	2.39	2.39	1.9	-4.7	1	-0.8	*	3.7	12.9	11.2
	23:15	2.14	1656	2.61	2.61	2	-4.7	0	-0.8	*	3.7	12.9	9.94
	23:30	1.46	1649	2.29	2.29	1.8	-4.9	0	-0.8	*	3.4	12.9	13.7
	23:45	2.03	1655	2.51	2.51	2	-4.9	0	-0.8	*	3.4	12.9	11.5

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
2/5/2014	0:00	2.49	1537	2.2	2.2	2.1	5.23	1632	4.2	4.2	3.3	12.9	9.78
	0:15	1.96	1654	2.5	2.5	1.9	-4.9	0	-0.8	*	3.5	12.9	12.4
	0:30	2.21	1655	2.6	2.6	2	-4.9	0	-0.8	*	3.5	12.9	13.6
	0:45	-0.4	1137	1.3	1.3	2.1	-4.8	0	-0.8	*	3.6	12.9	9.49
	1:00	2.01	1650	2.5	2.5	1.9	-4.9	0	-0.8	*	3.6	12.8	14
	1:15	2.16	1654	2.6	2.6	2.1	-4.9	0	-0.8	*	3.6	12.8	10.8
	1:30	1.59	1662	2.4	2.4	1.8	-2.6	1	-1.3	*	3.6	12.8	9.27
	1:45	2.16	1653	2.6	2.6	2	-4.8	0	-0.8	*	3.2	12.8	9.69
	2:00	-2.2	1	-1.1	*	2.1	5.48	1657	4.3	4.3	3.3	12.8	13.7
	2:15	1.96	1660	2.5	2.5	1.9	-4.8	0	-0.8	*	3.4	12.8	11.5
	2:30	2.41	1656	2.7	2.7	2.1	-4.8	0	-0.8	*	3.4	12.8	7.87
	2:45	1.72	1650	2.4	2.4	1.8	-4.8	0	-0.8	*	3.5	12.8	9.36
	3:00	2.16	1652	2.6	2.6	2	-4.8	0	-0.8	*	3.5	12.8	11.2
	3:15	-3.9	1	-0.8	*	2	6.12	1653	4.6	4.6	3.5	12.8	12.5
	3:30	1.76	1655	2.4	2.4	1.9	-4.7	0	-0.8	*	3.6	12.8	12.1
	3:45	2.16	1653	2.6	2.6	2	-4.7	0	-0.8	*	3.6	12.7	11.9
	4:00	1.65	1654	2.3	2.3	1.8	7.45	1639	4.7	4.7	3.6	12.7	14
	4:15	1.96	1655	2.5	2.5	1.9	-4.6	0	-0.8	*	3.6	12.7	11.5
	4:30	2.32	1658	2.7	2.7	2.1	-4.6	0	-0.8	*	3.6	12.7	13.2
	4:45	1.81	1651	2.4	2.4	1.8	-4.8	1	-0.8	*	3.3	12.7	13.2
	5:00	2.16	1656	2.6	2.6	2	-4.8	0	-0.8	*	3.3	12.7	12.3
	5:15	-4	1	-0.8	*	2.1	5.88	1658	4.5	4.5	3.4	12.7	10.6
	5:30	1.92	1652	2.5	2.5	1.9	-4.8	0	-0.8	*	3.6	12.7	13.8
	5:45	2.41	1648	2.7	2.7	2.1	-4.8	0	-0.8	*	3.6	12.7	12.1
	6:00	1.63	1662	2.4	2.4	1.8	-4.9	0	-0.8	*	3.5	12.6	11.7
	6:15	2.08	1658	2.6	2.6	2	-4.9	0	-0.8	*	3.5	12.6	14
	6:30	3.6	1640	2.8	2.8	2.1	5.79	1649	4.5	4.5	3.4	12.6	13.9
	6:45	2.05	1654	2.5	2.5	1.9	-4.8	0	-0.8	*	3.6	12.6	9.46
	7:00	2.36	1653	2.7	2.7	2	-4.8	0	-0.8	*	3.6	12.6	13.6
	7:15	-0.3	1171	1.4	1.4	2.1	-4.8	96	-0.8	*	3.2	12.5	13.9
	7:30	2.16	1656	2.6	2.6	2	-4.9	0	-0.8	*	3.2	12.5	12.8
	7:45	2.52	1654	2.8	2.8	2.1	-4.9	0	-0.8	*	3.2	12.5	14
	8:00	1.83	1662	2.5	2.5	1.9	-4.6	0	-0.8	*	3.5	12.5	8.73
	8:15	2.19	1659	2.7	2.7	2	-4.6	0	-0.8	*	3.5	12.5	13.3
	8:30	-2.5	1	-0.9	*	2.1	5.52	1622	4.3	4.3	3.4	12.4	8.39
	8:45	1.92	1655	2.5	2.5	2	-4.8	0	-0.8	*	3.6	12.4	8.7

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	2.43	1661	2.8	2.8	2.1	-4.8	0	-0.8	*	3.6	12.4	9.03
	9:15	1.72	1655	2.4	2.4	1.8	7.6	1632	4.8	4.8	3.6	12.4	11.5
	9:30	2.12	1655	2.6	2.6	1.9	-4.6	0	-0.8	*	3.6	12.4	14
	9:45	2.91	1642	2.8	2.8	2.1	5.52	1656	4.3	4.3	3.2	12.4	12.9
	10:00	1.48	1644	2.3	2.3	1.8	-4.6	0	-0.8	*	3.5	12.4	9.07
	10:15	2.32	1655	2.7	2.7	2	-4.6	0	-0.8	*	3.5	12.4	8.35
	10:30	-1.9	1181	-0.3	*	2.2	6.32	1668	4.7	4.7	3.6	12.4	13.9
	10:45	2.01	1652	2.5	2.5	1.9	-4.7	0	-0.8	*	3.6	12.4	11.9
	11:00	2.36	1654	2.7	2.7	2.1	-4.7	0	-0.8	*	3.6	12.4	13.7
	11:15	1.85	1652	2.4	2.4	2.1	-4.8	1	-0.8	*	3.4	12.4	11.9
	11:30	2.29	1649	2.6	2.6	2	-4.8	0	-0.8	*	3.4	12.4	7.91
	11:45	2.91	1642	2.8	2.8	2.2	6.25	1638	4.6	4.6	3.6	12.4	10.5
	12:00	-4.4	1	-0.7	*	1.9	-4.6	0	-0.8	*	3.7	12.4	9.84
	12:15	-27	1	-14	*	1.8	5.92	1659	4.5	4.5	3.4	12.4	9.73
	12:30	2.75	1836	2.7	2.7	1.9	6.52	1657	4.8	4.8	3.7	12.4	9.57
	12:45	2.55	1825	2.6	2.6	1.9	1.5	1145	2.4	2.4	3.8	12.5	9.34
	13:00	2.6	1829	2.6	2.6	1.8	6.23	1657	4.7	4.7	3.6	12.5	8.96
	13:15	2.55	1834	2.6	2.6	1.8	6.96	1651	5	5	3.8	12.5	8.95
	13:30	2.6	1828	2.6	2.6	1.8	-35	0	-16	*	3.4	12.5	8.8
	13:45	-2.9	1	-0.9	*	1.8	7.12	1801	5.1	5.1	3.6	12.6	8.52
	14:00	-0.5	1	0.5	0.5	1.8	7.99	1800	5.6	5.6	3.9	12.6	8.48
	14:15	0.92	1	1.2	1.2	1.8	-4.3	0	-1	*	4.2	12.1	8.33
	14:30	1.52	1652	2.3	2.3	1.2	-4.9	0	-0.8	*	3.3	0	6.32
	14:45	2.12	1661	2.6	2.6	1.3	-4.9	0	-0.8	*	3.3	0	6.68
	15:00	5.2	1661	2.6	2.6		4.6	991	2.3	2.3	3.3	12.9	8.96
	15:15	1.56	1659	2.3	2.3	1.2	-4.6	0	-0.8	*	2.5	0	6.96
	15:30	1.96	1656	2.5	2.5	1.3	-4.6	0	-0.8	*	2.5	0	6.96
	15:45	1.45	1626	2.2	2.2	1.4	-5.6	0	-1.5	*	2.5	0	6.93
	16:00	2.09	1649	2.5	2.5	1.3	-6	0	-1.7	*	2.5	0	6.95
	16:15	2.62	1643	2.7	2.7	1.4	-1.9	0	0.6	0.6	2.5	0	6.94
	16:30	1.81	1650	2.4	2.4	1.2	-4.8	0	-0.8	*	2.5	0	6.95
	16:45	2.05	1647	2.5	2.5	1.3	-4.8	0	-0.8	*	2.5	0	6.92
	17:00	-2	0	-1	*	1.4	-4.9	0	-0.8	*	2.6	0	6.9
	17:15	2.92	1896	3	3	1.7	5.47	1663	4.1	4.1	2.7	6.99	6.9
	17:30	3.74	1891	3.3	3.3	2.1	6.67	1857	4.7	4.7	3	10.8	6.91
	17:45	2.85	1896	2.9	2.9	1.8	-4.3	0	-0.8	*	3	10.8	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	3.45	1895	3.2	3.2	2	-4.3	0	-0.8	*	2.9	10.8	6.9
	18:15	-3.8	0	-0.7	*	2.2	-2.3	0	0.5	0.5	2.9	10.8	6.87
	18:30	1.96	1666	2.5	2.5	1.8	-4.7	0	-0.8	*	2.9	10.8	6.9
	18:45	2.36	1665	2.7	2.7	2	-4.7	0	-0.8	*	2.9	10.8	6.9
	19:00	-4.5	1	-0.7	*	2	-4.6	0	-0.8	*	3.1	10.8	6.92
	19:15	1.96	1666	2.5	2.5	1.8	-4.6	0	-0.8	*	3.1	10.7	6.92
	19:30	2.36	1668	2.7	2.7	2	-4.6	0	-0.8	*	3.1	10.7	6.91
	19:45	1.92	1668	2.5	2.5	1.8	-4.8	0	-0.8	*	3	10.8	6.93
	20:00	2.12	1667	2.6	2.6	1.9	-4.8	0	-0.8	*	3	10.7	6.89
	20:15	-2.7	1	-0.8	*	1.9	5.72	1666	4.4	4.4	3.2	10.7	6.88
	20:30	2.16	1666	2.6	2.6	1.8	-4.7	0	-0.8	*	3.3	10.7	6.9
	20:45	2.56	1665	2.8	2.8	2	-4.7	0	-0.8	*	3.3	10.7	6.89
	21:00	2.25	1706	2.6	2.6	1.7	-23	0	-11	*	3.3	10.7	6.9
	21:15	2.21	1665	2.6	2.6	1.9	-4.7	0	-0.8	*	3.3	10.7	6.9
	21:30	-2.7	164	-0.7	*	2	4.96	1656	4	4	2.9	10.6	6.91
	21:45	1.96	1665	2.5	2.5	1.8	-4.6	0	-0.8	*	3.1	10.7	6.95
	22:00	2.36	1661	2.7	2.7	1.9	-4.6	0	-0.8	*	3.1	10.6	6.92
	22:15	-2.8	1	-1.4	*	2	5.76	1659	4.4	4.4	3.2	10.7	6.91
	22:30	1.96	1660	2.5	2.5	1.9	-4.8	0	-0.8	*	3.2	10.6	6.92
	22:45	2.56	1669	2.8	2.8	2	-4.8	0	-0.8	*	3.2	10.6	6.92
	23:00	1.76	1663	2.4	2.4	1.7	-4.6	0	-0.8	*	3.1	10.6	6.93
	23:15	2.16	1661	2.6	2.6	1.9	-4.6	0	-0.8	*	3.1	10.6	6.92
	23:30	-28	1	-13	*	2	5.92	1668	4.5	4.5	3.2	10.6	6.91
	23:45	-4.3	1	-0.7	*	1.8	-4.5	0	-0.8	*	3.4	10.6	6.93
2/6/2014	0:00	2.16	1660	2.6	2.6	1.9	-4.5	0	-0.8	*	3.4	10.6	6.93
	0:15	-4.1	1	-0.9	*	2	5.45	1637	4.2	4.2	3.1	10.6	6.92
	0:30	1.96	1666	2.5	2.5	1.8	-4.7	0	-0.8	*	3.1	10.6	6.95
	0:45	2.56	1661	2.8	2.8	2	-4.7	0	-0.8	*	3.1	10.5	6.92
	1:00	1.76	1661	2.4	2.4	1.7	-4.8	0	-0.8	*	3.2	10.6	6.93
	1:15	2.36	1664	2.7	2.7	1.9	-4.8	0	-0.8	*	3.2	10.5	6.93
	1:30	3.59	1650	2.9	2.9	1.9	5.39	1650	4.3	4.3	3.1	10.5	6.93
	1:45	1.96	1668	2.5	2.5	1.8	-4.6	0	-0.8	*	3.3	10.5	6.95
	2:00	2.56	1668	2.8	2.8	2	-4.6	0	-0.8	*	3.3	10.4	6.93
	2:15	-4.1	1	-0.7	*	2	6.12	1662	4.6	4.6	3.3	10.4	6.92
	2:30	2.49	1662	2.7	2.7	1.9	-4.7	0	-0.8	*	3.3	10.4	6.93
	2:45	2.76	1665	2.9	2.9	2.1	-4.7	0	-0.8	*	3.3	10.4	6.93

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	1.96	1662	2.5	2.5	1.8	-4.8	0	-0.8	*	3	10.4	6.96
	3:15	2.52	1664	2.8	2.8	2	-4.8	0	-0.8	*	3	10.4	6.93
	3:30	-2.7	1	-0.8	*	2.1	5.52	1668	4.3	4.3	3.1	10.4	6.91
	3:45	2.16	1665	2.6	2.6	1.9	-4.9	0	-0.8	*	3.1	10.3	6.93
	4:00	2.72	1664	2.9	2.9	2	-4.9	0	-0.8	*	3.1	10.3	6.93
	4:15	1.96	1669	2.5	2.5	1.8	-4.7	0	-0.8	*	3.3	10.3	6.95
	4:30	2.36	1666	2.7	2.7	2	-4.7	0	-0.8	*	3.3	10.3	6.93
	4:45	-28	1	-13	*	2	5.88	1672	4.5	4.5	3.2	10.2	6.93
	5:00	2.21	1662	2.6	2.6	1.9	-4.8	0	-0.8	*	3.3	10.2	6.94
	5:15	2.81	1664	2.9	2.9	2	-4.8	0	-0.8	*	3.3	10.2	6.92
	5:30	2.14	1646	2.5	2.5	1.8	7.39	1648	4.8	4.8	3.4	10.3	6.93
	5:45	2.41	1671	2.7	2.7	1.9	-4.7	0	-0.8	*	3.4	10.2	6.95
	6:00	3.41	1658	2.9	2.9	2.1	-4.7	0	-0.8	*	3.4	10.2	6.94
	6:15	2.29	1664	2.6	2.6	1.9	-4.7	0	-0.8	*	3.4	10.2	6.95
	6:30	2.65	1667	2.8	2.8	2	-4.7	0	-0.8	*	3.4	10.2	6.95
	6:45	-2.2	1	-0.6	*	2.1	5.52	1665	4.3	4.3	3.1	10.3	6.93
	7:00	-4.8	1	-1.1	*	1.8	6.12	1664	4.6	4.6	3.3	10.2	6.93
	7:15	-3	1	0.2	0.2	11	5.16	1517	4.1	4.1	3.3	10.2	6.92
	7:30	1.75	1665	2.5	2.5	1.8	6.91	1509	4.3	4.3	3.4	10.3	6.94
	7:45	2.39	1669	2.8	2.8	2	-5.2	0	-0.8	*	3.4	10.1	6.93
	8:00	3.8	1645	2.9	2.9	2.1	5.23	1661	4.2	4.2	3	10.1	6.9
	8:15	2.12	1663	2.6	2.6	1.9	-4.9	0	-0.8	*	3.3	10.1	6.92
	8:30	2.81	1658	2.9	2.9	2	-4.9	0	-0.8	*	3.3	10.1	6.92
	8:45	-0.4	918	1.3	1.3	2.1	6.52	1674	4.8	4.8	3.3	10.1	6.91
	9:00	2.52	1663	2.8	2.8	2	-4.9	0	-0.8	*	3.3	10	6.93
	9:15	2.76	1671	2.9	2.9	2.1	-4.9	0	-0.8	*	3.3	9.99	6.92
	9:30	2.16	1667	2.6	2.6	1.9	-4.8	0	-0.8	*	3.5	10.1	6.93
	9:45	2.76	1662	2.9	2.9	2	-4.8	0	-0.8	*	3.5	9.99	6.93
	10:00	-2.8	0	-1.4	*	2.1	6.72	1670	4.9	4.9	3.4	10	6.92
	10:15	-4.3	1	-0.7	*	1.8	-4.6	0	-0.8	*	3.5	10	6.95
	10:30	2.76	1662	2.9	2.9	2	-4.7	0	-0.8	*	3	10	6.96
	10:45	-1.9	1	-0.6	*	2.1	-4.7	0	-0.8	*	3	9.98	6.92
	11:00	2.52	1661	2.8	2.8	2	-4.7	0	-0.8	*	3	9.96	6.95
	11:15	2.92	1658	3	3	2.1	-4.7	0	-0.8	*	3	9.95	6.94
	11:30	2.03	1672	2.6	2.6	1.8	-4.8	0	-0.8	*	3.3	10	6.94
	11:45	2.52	1664	2.8	2.8	2	-4.8	0	-0.8	*	3.3	10	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	-3.9	1	-0.8	*	2.1	2.41	1153	2.7	2.7	3.3	10	6.92
	12:15	2.36	1668	2.7	2.7	1.9	-4.8	0	-0.8	*	3.4	10.1	6.93
	12:30	2.92	1666	3	3	2.1	-4.8	0	-0.8	*	3.4	9.99	6.92
	12:45	1.92	1658	2.5	2.5	1.8	7.11	1514	4.4	4.4	3.4	10	6.92
	13:00	2.36	1663	2.7	2.7	1.9	-4.6	0	-0.8	*	3.4	9.98	6.93
	13:15	2.96	1659	3	3	2.1	-4.6	0	-0.8	*	3.4	9.93	6.93
	13:30	2.12	1661	2.6	2.6	1.8	5.96	1659	4.5	4.5	3.2	9.97	6.94
	13:45	2.76	1674	2.9	2.9	2	-4.7	0	-0.8	*	3.2	9.95	6.92
	14:00	-3.3	1	-0.8	*	2.1	-4.7	0	-0.8	*	3.2	9.94	6.92
	14:15	2.21	1669	2.6	2.6	1.9	-4.6	0	-0.8	*	3.4	10.1	6.96
	14:30	2.76	1665	2.9	2.9	2	-4.6	0	-0.8	*	3.4	9.94	6.96
	14:45	-3.7	1	-0.7	*	2.1	6.52	1667	4.8	4.8	3.4	9.93	6.94
	15:00	-4.4	1	-0.7	*	1.9	-4.6	79	-0.8	*	3.5	9.98	6.94
	15:15	2.61	1659	2.8	2.8	2	-4.7	120	-0.8	*	3.2	10	6.95
	15:30	4.12	1494	2.8	2.8	2.1	-4.7	0	-0.8	*	3.2	9.91	6.94
	15:45	2.41	1656	2.7	2.7	1.9	6.12	1663	4.6	4.6	3.2	9.94	6.94
	16:00	2.76	1666	2.9	2.9	2.1	-4.8	0	-0.8	*	3.3	9.91	6.93
	16:15	1.96	1628	2.5	2.5	2.1	6.56	1663	4.8	4.8	3.3	9.92	6.92
	16:30	2.56	1672	2.8	2.8	2	-4.7	0	-0.8	*	3.4	9.87	6.92
	16:45	3.31	1650	3	3	2.2	5.88	1642	4.5	4.5	3.3	9.81	6.92
	17:00	2.21	1661	2.6	2.6	1.8	-3.5	0	-0.8	*	3.5	9.82	6.91
	17:15	2.56	1658	2.8	2.8	2	-4.6	0	-0.8	*	3.5	9.75	6.93
	17:30	2.92	1661	3	3	2.1	-4.6	0	-0.8	*	3.5	9.7	6.92
	17:45	-4.4	1	-0.7	*	1.8	-4.6	0	-0.8	*	3.3	9.75	6.92
	18:00	2.76	1661	2.9	2.9	2	-4.8	0	-0.8	*	3.3	9.66	6.9
	18:15	3.09	1547	2.5	2.5	2.2	-4.8	0	-0.8	*	3.3	9.61	6.9
	18:30	2.36	1667	2.7	2.7	1.9	-4.8	0	-0.8	*	3.4	9.66	6.91
	18:45	2.76	1666	2.9	2.9	2.1	-4.8	0	-0.8	*	3.4	9.64	6.89
	19:00	-0.5	818	1.2	1.2	2.2	6.76	1662	4.9	4.9	3.5	9.67	6.89
	19:15	2.28	1646	2.7	2.7	1.9	-4.5	0	-0.8	*	3.5	9.63	6.9
	19:30	2.81	1655	2.9	2.9	2	-4.5	0	-0.8	*	3.5	9.59	6.9
	19:45	2.16	1729	2.6	2.6	2.1	6.36	1652	4.7	4.7	3.3	9.69	6.9
	20:00	2.76	1655	2.9	2.9	2	-4.7	0	-0.8	*	3.3	9.58	6.89
	20:15	3.42	1643	3.1	3.1	2.2	6.08	1665	4.6	4.6	3.2	9.56	6.89
	20:30	2.25	1643	2.6	2.6	1.8	-4.6	0	-0.8	*	3.4	9.58	6.89
	20:45	2.89	1646	2.9	2.9	2	-4.6	0	-0.8	*	3.4	9.55	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	4.77	1484	3.1	3.1	2.2	6.36	1645	4.7	4.7	3.3	9.55	6.88
	21:15	2.65	1649	2.8	2.8	1.9	-4.8	0	-0.8	*	3.5	9.59	6.89
	21:30	3.09	1655	3	3	2.1	-4.8	0	-0.8	*	3.5	9.56	6.87
	21:45	1.92	1624	2.5	2.5	2.2	7.55	1641	5.1	5.1	3.6	9.62	6.87
	22:00	2.52	1659	2.8	2.8	1.9	-4.6	0	-0.8	*	3.6	9.57	6.88
	22:15	3.16	1654	3.1	3.1	2.2	-4.6	0	-0.8	*	3.6	9.56	6.89
	22:30	2.36	1651	2.7	2.7	1.9	-4.8	0	-0.8	*	3.4	9.62	6.91
	22:45	2.76	1652	2.9	2.9	2	-4.8	0	-0.8	*	3.4	9.52	6.91
	23:00	-3.5	1037	-1.1	*	2.2	6.76	1672	4.9	4.9	3.5	9.52	6.9
	23:15	-15	1	-6.3	*	1.8	8.36	1866	5.7	5.7	3.5	9.56	6.9
	23:30	-4	1	-0.7	*	2	-4.4	0	-0.9	*	3.8	9.56	6.87
	23:45	3.2	1803	2.9	2.9	1.8	8.99	1904	6.1	6.1	3.7	9.54	6.91
2/7/2014	0:00	3	1808	2.8	2.8	1.8	10.3	1895	6.7	6.7	4.1	9.52	6.89
	0:15	-37	1	-18	*	1.8	8.39	1902	5.8	5.8	3.5	9.58	6.88
	0:30	1.92	1626	2.5	2.5	1.8	-4.6	0	-0.8	*	3.5	9.52	6.9
	0:45	2.72	1653	2.9	2.9	2	-4.6	0	-0.8	*	3.5	9.5	6.91
	1:00	3.99	1502	2.8	2.8	2.1	6.81	1639	4.9	4.9	3.4	9.49	6.91
	1:15	2.41	1655	2.7	2.7	1.9	-4.6	0	-0.8	*	3.5	9.51	6.93
	1:30	2.76	1656	2.9	2.9	2.1	-4.6	0	-0.8	*	3.5	9.49	6.91
	1:45	1.72	1608	2.4	2.4	2.1	7.67	1639	5.2	5.2	3.7	9.52	6.91
	2:00	2.36	1655	2.7	2.7	1.9	-4.6	0	-0.8	*	3.7	9.51	6.92
	2:15	3.01	1652	3	3	2.1	-4.6	0	-0.8	*	3.7	9.45	6.92
	2:30	2.16	1655	2.6	2.6	1.8	-4.8	0	-0.8	*	3.3	9.55	6.93
	2:45	2.56	1655	2.8	2.8	2	-4.8	0	-0.8	*	3.3	9.46	6.92
	3:00	-2.5	167	-0.6	*	2.2	6.23	1651	4.7	4.7	3.3	9.46	6.92
	3:15	2.56	1653	2.8	2.8	1.9	-4.6	0	-0.8	*	3.5	9.47	6.93
	3:30	2.96	1653	3	3	2.1	-4.6	0	-0.8	*	3.5	9.42	6.91
	3:45	1.96	1634	2.5	2.5	1.7	-4.6	0	-0.8	*	3.6	9.51	6.91
	4:00	2.76	1655	2.9	2.9	2	-4.6	0	-0.8	*	3.6	9.42	6.92
	4:15	3.64	1639	3.1	3.1	2.2	6.96	1637	5	5	3.5	9.41	6.91
	4:30	-2.7	1401	0.1	0.1	1.9	-3.9	0	-0.8	*	3.7	9.55	6.91
	4:45	2.76	1657	2.9	2.9	2	-4.5	0	-0.8	*	3.7	9.44	6.92
	5:00	4.03	1645	3.1	3.1	2.1	-4.5	0	-0.8	*	3.7	9.42	6.93
	5:15	2.32	1657	2.7	2.7	1.9	-4.9	0	-0.8	*	3.4	9.45	6.94
	5:30	3.01	1654	3	3	2.1	-4.9	0	-0.8	*	3.4	9.42	6.91
	5:45	1.25	843	2.1	2.1	2.2	-4.6	592	-0.8	*	3.4	9.5	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	2.72	1653	2.9	2.9	2	-4.8	0	-0.8	*	3.4	9.46	6.93
	6:15	3.36	1654	3.2	3.2	2.2	-4.8	0	-0.8	*	3.4	9.4	6.91
	6:30	2.32	1656	2.7	2.7	1.9	-4.8	0	-0.8	*	3.6	9.42	6.93
	6:45	2.96	1657	3	3	2.1	-4.8	0	-0.8	*	3.6	9.38	6.91
	7:00	-2.6	1	-1.1	*	2.2	7.12	1657	5.1	5.1	3.6	9.43	6.89
	7:15	1.94	1428	2.4	2.4	1.9	-4.6	0	-0.8	*	3.7	9.44	6.91
	7:30	2.96	1653	3	3	2.1	-4.6	0	-0.8	*	3.7	9.39	6.91
	7:45	1.92	1613	2.5	2.5	2.2	-4.8	0	-0.8	*	3.3	9.53	6.92
	8:00	2.76	1656	2.9	2.9	2	-4.8	0	-0.8	*	3.3	9.41	6.92
	8:15	3.67	1655	3.2	3.2	2.2	-4.8	0	-0.8	*	3.3	9.4	6.91
	8:30	2.36	1654	2.7	2.7	1.9	-4.8	0	-0.8	*	3.5	9.45	6.93
	8:45	3.16	1653	3.1	3.1	2.1	-4.8	0	-0.8	*	3.5	9.41	6.91
	9:00	-2.7	1	-0.7	*	2.2	7.12	1656	5.1	5.1	3.5	9.48	6.9
	9:15	2.94	1646	2.9	2.9	2	-4.8	0	-0.8	*	3.7	9.39	6.91
	9:30	2.36	1654	2.7	2.7	1.9	-4.8	0	-0.8	*	3.6	9.44	6.93
	9:45	3.01	1655	3	3	2.1	-4.8	0	-0.8	*	3.6	9.36	6.92
	10:00	-4.2	0	-0.7	*	2.2	7.72	1654	5.4	5.4	3.8	9.37	6.91
	10:15	2.61	1648	2.8	2.8	2	-4.6	0	-0.8	*	3.8	9.36	6.92
	10:30	3.16	1655	3.1	3.1	2.2	-4.6	0	-0.8	*	3.8	9.32	6.92
	10:45	2.32	1652	2.7	2.7	1.9	-4.7	0	-0.8	*	3.6	9.44	6.93
	11:00	2.92	1655	3	3	2.1	-4.7	0	-0.8	*	3.6	9.36	6.93
	11:15	4.52	1634	3.3	3.3	2.3	5.92	1593	4.5	4.5	3.6	9.35	6.92
	11:30	2.76	1650	2.9	2.9	2	-4.8	0	-0.8	*	3.5	9.41	6.94
	11:45	3.12	1657	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	9.4	6.92
	12:00	0.56	1231	1.8	1.8	2.2	7.16	1653	5.1	5.1	3.6	9.51	6.92
	12:15	2.76	1650	2.9	2.9	2.1	-4.8	0	-0.8	*	3.6	9.48	6.94
	12:30	3.61	1654	3.3	3.3	2.2	-4.8	0	-0.8	*	3.6	9.43	6.93
	12:45	2.52	1654	2.8	2.8	2	-2.7	0	-0.9	*	3.7	9.46	6.93
	13:00	2.81	1651	2.9	2.9	2.1	-4.6	0	-0.8	*	3.7	9.44	6.93
	13:15	4.19	1508	2.9	2.9	2.3	5.48	1593	4.3	4.3	3.7	9.43	6.93
	13:30	2.61	1654	2.8	2.8	2	-4.8	0	-0.8	*	3.4	9.46	6.95
	13:45	3.41	1653	3.2	3.2	2.2	-4.8	0	-0.8	*	3.4	9.44	6.93
	14:00	1.79	1604	2.5	2.5	2.3	-4.8	0	-0.8	*	3.4	9.49	6.88
	14:15	2.75	1659	3	3	2.1	-4.8	0	-0.8	*	3.4	9.45	6.93
	14:30	3.65	1653	3.3	3.3	2.3	7.12	1652	5.1	5.1	3.6	9.51	6.92
	14:45	2.36	1642	2.7	2.7	1.9	7.71	1638	5.2	5.2	3.6	9.35	6.91

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	2.61	1650	2.8	2.8	2	6.36	1651	4.7	4.7	3.3	9.37	6.92
	15:15	2.85	1615	2.9	2.9	2.1	6.28	1629	4.7	4.7	3.4	9.4	6.94
	15:30	2.41	1650	2.7	2.7	1.9	-4.7	0	-0.8	*	3.5	9.37	6.9
	15:45	3.29	1642	3.1	3.1	2.2	-4.7	0	-0.8	*	3.5	9.32	6.94
	16:00	-1.9	1	-0.9	*	2.3	6.96	1654	5	5	3.5	9.35	6.91
	16:15	2.92	1651	3	3	2.1	-4.7	0	-0.8	*	3.8	9.35	6.93
	16:30	3.48	1657	3.3	3.3	2.3	-4.7	0	-0.8	*	3.8	9.36	6.92
	16:45	2.28	1661	2.7	2.7	1.9	-4.8	0	-0.8	*	3.6	9.41	6.94
	17:00	3.08	1655	3.1	3.1	2.1	-4.8	0	-0.8	*	3.6	9.4	6.92
	17:15	-4	1	-0.8	*	2.3	7.52	1663	5.3	5.3	3.7	9.42	6.92
	17:30	-35	1	-16	*	2	6.36	1661	4.7	4.7	3.3	9.45	6.92
	17:45	1.15	0	2.2	2.2	2	-4.8	0	-0.8	*	3.5	9.41	6.92
	18:00	-10	1	-3.7	*	2	7.52	1659	5.3	5.3	3.7	9.4	6.94
	18:15	-5	1	-0.7	*	2.2	-2.8	0	-1.4	*	3.9	9.41	6.91
	18:30	2.23	1657	2.7	2.7	1.9	-4.8	0	-0.8	*	3.5	9.41	6.94
	18:45	3.08	1653	3.1	3.1	2.1	-4.8	0	-0.8	*	3.5	9.35	6.9
	19:00	-4	1	-0.8	*	2.3	6.88	1659	5	5	3.5	9.37	6.89
	19:15	2.63	1666	2.9	2.9	2	-4.7	0	-0.8	*	3.6	9.4	6.9
	19:30	3.28	1650	3.2	3.2	2.2	-4.7	0	-0.8	*	3.6	9.41	6.9
	19:45	2.32	1657	2.7	2.7	1.9	-4.8	0	-0.8	*	3.8	9.48	6.91
	20:00	2.96	1651	3	3	2.1	-4.8	0	-0.8	*	3.8	9.45	6.92
	20:15	4.76	1633	3.4	3.4	2.3	7.36	1636	5.2	5.2	3.7	9.44	6.92
	20:30	2.69	1651	2.8	2.8	2	-4.6	0	-0.8	*	3.9	9.52	6.93
	20:45	3.12	1661	3.1	3.1	2.2	-4.6	0	-0.8	*	3.9	9.44	6.94
	21:00	-3.9	1	-0.8	*	2.3	6.76	1651	4.9	4.9	3.4	9.52	6.94
	21:15	2.76	1653	2.9	2.9	2.1	-4.8	0	-0.8	*	3.5	9.46	6.96
	21:30	3.61	1655	3.3	3.3	2.3	-4.8	0	-0.8	*	3.5	9.43	6.94
	21:45	2.56	1658	2.8	2.8	1.9	-4.8	0	-0.8	*	3.6	9.48	6.95
	22:00	3.16	1653	3.1	3.1	2.1	-4.8	0	-0.8	*	3.6	9.42	6.95
	22:15	5.85	1463	3.6	3.6	2.3	7.08	1649	5.1	5.1	3.6	9.42	6.94
	22:30	2.76	1654	2.9	2.9	2	-4.7	0	-0.8	*	3.8	9.44	6.95
	22:45	3.36	1659	3.2	3.2	2.2	-4.7	0	-0.8	*	3.8	9.41	6.94
	23:00	2.21	1646	2.6	2.6	2.3	-4.7	0	-0.8	*	3.9	9.48	6.94
	23:15	2.96	1655	3	3	2.1	-4.7	0	-0.8	*	3.9	9.42	6.95
	23:30	3.74	1651	3.3	3.3	2.3	-4.7	0	-0.8	*	3.9	9.41	6.95
	23:45	2.52	1656	2.8	2.8	2	-2.4	0	-0.7	*	3.8	9.45	6.93

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
2/8/2014	0:00	3.36	1656	3.2	3.2	2.2	-4.7	0	-0.8	*	3.8	9.4	6.95
	0:15	-2.1	1	-1	*	2.3	6.52	1654	4.8	4.8	3.4	9.43	6.95
	0:30	2.96	1647	3	3	2.1	-4.8	0	-0.8	*	3.4	9.4	6.97
	0:45	3.52	1655	3.3	3.3	2.3	-4.8	0	-0.8	*	3.4	9.37	6.97
	1:00	2.56	1657	2.8	2.8	1.9	-4.8	0	-0.8	*	3.6	9.42	6.99
	1:15	3.16	1650	3.1	3.1	2.2	-4.8	0	-0.8	*	3.6	9.39	6.96
	1:30	-3.9	1	-0.8	*	2.3	7.25	1652	5.1	5.1	3.6	9.39	6.96
	1:45	2.76	1654	2.9	2.9	2	-4.6	0	-0.8	*	3.7	9.39	6.97
	2:00	3.36	1652	3.2	3.2	2.2	-4.6	0	-0.8	*	3.7	9.38	6.96
	2:15	2.32	1655	2.7	2.7	1.9	-4.8	0	-0.8	*	3.7	9.43	6.96
	2:30	2.92	1652	3	3	2.1	-11	0	-4.6	*	3.7	9.43	6.95
	2:45	3.41	1653	3.2	3.2	2.2	-4.7	0	-0.8	*	3.7	9.42	6.95
	3:00	2.56	1659	2.8	2.8	2	-4.8	0	-0.8	*	3.5	9.43	6.98
	3:15	3.21	1655	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	9.38	6.96
	3:30	-3.7	1	-0.7	*	2.3	7.12	1654	5.1	5.1	3.5	9.41	6.94
	3:45	2.96	1655	3	3	2.1	-4.8	0	-0.8	*	3.6	9.41	6.97
	4:00	3.36	1658	3.2	3.2	2.2	-4.8	0	-0.8	*	3.6	9.4	6.96
	4:15	2.36	1653	2.7	2.7	1.9	-4.8	0	-0.8	*	3.7	9.45	6.97
	4:30	3.12	1656	3.1	3.1	2.2	-4.8	0	-0.8	*	3.7	9.41	6.96
	4:45	-2.5	116	-0.6	*	2.3	7.19	1657	5.2	5.2	3.6	9.41	6.96
	5:00	-4.4	1	-0.7	*	1.9	-4.6	0	-0.8	*	3.8	9.49	6.97
	5:15	3.16	1659	3.1	3.1	2.2	-4.6	0	-0.8	*	3.8	9.43	6.96
	5:30	-3.8	1	-0.7	*	2.3	6.72	1652	4.9	4.9	3.4	9.49	6.96
	5:45	2.76	1651	2.9	2.9	2.1	-4.8	0	-0.8	*	3.5	9.45	6.98
	6:00	3.41	1652	3.2	3.2	2.3	-4.8	0	-0.8	*	3.5	9.44	6.96
	6:15	2.41	1650	2.7	2.7	1.9	-4.7	0	-0.8	*	3.5	9.49	6.96
	6:30	3.16	1654	3.1	3.1	2.2	-4.7	0	-0.8	*	3.5	9.44	6.96
	6:45	5.41	1466	3.4	3.4	2.2	7.08	1653	5.1	5.1	3.5	9.44	6.96
	7:00	2.76	1651	2.9	2.9	2	-4.8	0	-0.8	*	3.7	9.47	6.97
	7:15	3.36	1657	3.2	3.2	2.2	-4.8	0	-0.8	*	3.7	9.46	6.95
	7:30	2.32	1647	2.7	2.7	2.3	5.41	1383	4.2	4.2	3.7	9.52	6.95
	7:45	2.81	1655	2.9	2.9	2	-4.6	0	-0.8	*	3.7	9.5	6.96
	8:00	3.41	1653	3.2	3.2	2.3	-4.6	0	-0.8	*	3.7	9.48	6.95
	8:15	2.41	1653	2.7	2.7	1.9	-4.7	0	-0.8	*	3.5	9.54	6.97
	8:30	3.16	1653	3.1	3.1	2.1	-4.7	0	-0.8	*	3.5	9.49	6.95
	8:45	-2.5	218	-0.6	*	2.3	-4.7	0	-0.8	*	3.5	9.49	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	2.85	1645	2.9	2.9	2.1	-4.7	0	-0.8	*	3.5	9.57	6.95
	9:15	3.32	1651	3.2	3.2	2.2	-4.7	0	-0.8	*	3.5	9.53	6.95
	9:30	2.49	1635	2.7	2.7	1.9	7.12	1651	5.1	5.1	3.6	9.57	6.94
	9:45	-28	1	-14	*	2.1	7.12	1671	5.1	5.1	3.6	9.58	6.92
	10:00	-4	1	-0.7	*	2.1	6.59	1655	4.9	4.9	3.4	9.61	6.93
	10:15	3	1060	2.8	2.8	3.2	7.81	1652	5.4	5.4	3.8	9.59	6.95
	10:30	3.2	1799	2.9	2.9	1.9	-2.8	0	-1.4	*	3.9	9.65	6.91
	10:45	-36	1	-18	*	1.9	7.32	1652	5.2	5.2	3.6	9.84	6.94
	11:00	-3.6	1	-0.7	*	1.9	7.32	1650	5.2	5.2	3.7	9.72	6.95
	11:15	2.32	1652	2.7	2.7	1.9	-3.8	0	-0.9	*	3.8	9.8	6.94
	11:30	2.52	1654	2.8	2.8	2	-4.6	0	-0.8	*	3.4	9.83	7
	11:45	3.36	1653	3.2	3.2	2.2	5.48	1552	4.3	4.3	3.4	9.78	6.99
	12:00	1.78	1479	2.3	2.3	1.9	5.25	1283	4.1	4.1	3.6	9.86	7
	12:15	-4.4	1	-0.7	*	1.9	-4.6	0	-0.8	*	3.6	9.86	6.98
	12:30	2.76	1656	2.9	2.9	2	-2.9	0	-0.8	*	3.7	9.89	6.98
	12:45	3.27	1643	3	3	2.1	-4.6	0	-0.8	*	3.7	9.93	6.98
	13:00	1.88	1633	2.5	2.5	1.8	-4.6	0	-0.8	*	3.5	10.1	7.01
	13:15	2.56	1656	2.8	2.8	2	-4.6	0	-0.8	*	3.5	10.1	6.98
	13:30	-2.5	252	-0.6	*	2.2	-4.6	0	-0.8	*	3.5	10.2	6.98
	13:45	2.49	1653	2.7	2.7	1.9	-4.8	0	-0.8	*	3.5	10.3	6.99
	14:00	2.89	1646	2.9	2.9	2.1	-4.8	0	-0.8	*	3.5	10.2	6.96
	14:15	1.72	1609	2.4	2.4	2.2	6.76	1650	4.9	4.9	3.6	10.4	6.96
	14:30	2.52	1651	2.8	2.8	2	-4.7	0	-0.8	*	3.6	10.6	6.97
	14:45	2.92	1649	3	3	2.1	3.01	1165	3	3	3.6	10.6	6.97
	15:00	1.99	1660	2.6	2.6	1.9	-2.7	0	-1.2	*	3.7	10.7	6.95
	15:15	2.56	1656	2.8	2.8	2	-4.6	0	-0.8	*	3.3	10.8	6.98
	15:30	5.25	1469	3.3	3.3	2.2	-4.6	0	-0.8	*	3.3	10.7	6.97
	15:45	2.28	1650	2.7	2.7	1.9	-4.6	0	-0.8	*	3.3	10.7	6.97
	16:00	2.55	1659	2.9	2.9	2.1	-4.6	0	-0.8	*	3.3	10.6	6.96
	16:15	2.09	1633	2.5	2.5	1.8	-4.8	0	-0.8	*	3.5	10.6	6.95
	16:30	2.69	1650	2.8	2.8	2	-4.8	0	-0.8	*	3.5	10.5	6.95
	16:45	3.94	1643	3.1	3.1	2.2	6.16	1646	4.6	4.6	3.5	10.4	6.93
	17:00	2.45	1652	2.7	2.7	1.9	-4.8	0	-0.8	*	3.8	10.5	6.95
	17:15	3.09	1647	3	3	2.2	-4.8	0	-0.8	*	3.8	10.4	6.94
	17:30	0.16	965	1.6	1.6	2.2	9.76	1894	6.4	6.4	4	10.4	6.93
	17:45	2.76	1655	2.9	2.9	2.1	-4.9	0	-0.8	*	4	10.3	6.94

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	3.36	1649	3.2	3.2	2.3	7.05	1689	5	5	4	10.2	6.94
	18:15	2.16	1630	2.6	2.6	1.9	-4.7	0	-0.8	*	3.5	10.3	6.98
	18:30	2.76	1632	2.9	2.9	2.1	-4.7	0	-0.8	*	3.5	10.2	6.95
	18:45	-2.6	1	-1.3	*	2.2	6.92	1652	5	5	3.6	10.2	6.93
	19:00	2.56	1623	2.8	2.8	2	-4.7	0	-0.8	*	3.7	10.2	6.94
	19:15	2.92	1601	3	3	2.2	-4.7	0	-0.8	*	3.7	10.3	6.93
	19:30	1.88	1608	2.5	2.5	1.8	-4.8	0	-0.8	*	3.7	10.3	6.96
	19:45	2.39	1603	2.8	2.8	2.1	-4.8	0	-0.8	*	3.7	10.3	6.93
	20:00	-28	1	-13	*	2.2	7.45	1649	5.2	5.2	3.8	10.3	6.93
	20:15	2.21	1602	2.6	2.6	2	-4.7	0	-0.8	*	3.9	10.4	6.93
	20:30	2.76	1601	2.9	2.9	2.2	-4.7	0	-0.8	*	3.9	10.3	6.92
	20:45	2.01	1591	2.5	2.5	1.8	-4.7	0	-0.8	*	3.7	10.5	6.95
	21:00	2.56	1598	2.8	2.8	2.1	-4.7	0	-0.8	*	3.7	10.4	6.96
	21:15	3.97	1644	3.2	3.2	2.3	1.81	1028	2.4	2.4	3.7	10.4	6.95
	21:30	2.36	1653	2.7	2.7	2	-4.8	0	-0.8	*	3.6	10.4	6.97
	21:45	2.96	1651	3	3	2.2	-4.8	0	-0.8	*	3.6	10.4	6.94
	22:00	-3.9	1	-0.7	*	2.3	7.12	1655	5.1	5.1	3.7	10.5	6.93
	22:15	2.72	1654	2.9	2.9	2.1	-4.8	0	-0.8	*	3.7	10.5	6.94
	22:30	3.36	1658	3.2	3.2	2.3	1.72	986	2.4	2.4	3.7	10.5	6.93
	22:45	2.36	1653	2.7	2.7	1.9	-3	0	-1.5	*	3.8	10.6	6.93
	23:00	2.76	1657	2.9	2.9	2.1	-4.6	0	-0.8	*	3.8	10.5	6.94
	23:15	3.97	1637	3.2	3.2	2.3	5.88	1652	4.5	4.5	3.2	10.5	6.94
	23:30	2.36	1654	2.7	2.7	2	-4.8	0	-0.8	*	3.5	10.6	6.96
	23:45	2.96	1653	3	3	2.2	-4.8	0	-0.8	*	3.5	10.6	6.93
2/9/2014	0:00	-4.4	1	-0.7	*	2.3	7.05	1646	5	5	3.6	10.6	6.91
	0:15	-4.4	1	-0.7	*	2.3	10.5	1448	5.9	5.9	3.9	10.6	6.94
	0:30	2.7	1653	2.87	2.87	2.1	-4.9	0	-0.8	*	3.9	10.6	6.93
	0:45	3.26	1653	3.15	3.15	2.3	-4.8	0	-0.8	*	3.9	10.6	6.94
	1:00	2.13	1651	2.56	2.56	1.9	-4.8	0	-0.8	*	3.5	10.7	6.94
	1:15	2.76	1653	2.9	2.9	2.1	-4.8	0	-0.8	*	3.5	10.6	6.94
	1:30	4.04	1638	3.19	3.19	2.3	6.12	1642	4.6	4.6	3.5	10.6	6.94
	1:45	2.46	1654	2.75	2.75	2	-4.8	0	-0.8	*	3.6	10.7	6.95
	2:00	2.94	1653	2.99	2.99	2.2	-4.8	0	-0.8	*	3.6	10.7	6.93
	2:15	-5.7	1	-1.4	*	2.3	-3.1	1355	0	*	3.7	10.7	6.92
	2:30	2.63	1660	2.9	2.9	2.1	-4.8	0	-0.8	*	3.7	10.7	6.93
	2:45	3.15	1667	3.18	3.18	2.3	-4.8	0	-0.8	*	3.7	10.7	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	2.43	1651	2.69	2.69	2	-4.1	0	-0.9	*	3.7	10.8	6.92
	3:15	3.02	1657	3.03	3.03	2.2	-4.7	0	-0.8	*	3.7	10.8	6.9
	3:30	-2.7	1	-0.7	*	2.3	6.16	1656	4.6	4.6	3.3	10.8	6.91
	3:45	2.68	1656	2.86	2.86	2.1	-4.8	0	-0.8	*	3.4	10.8	6.95
	4:00	3.22	1652	3.13	3.13	2.3	-4.8	0	-0.8	*	3.4	10.8	6.94
	4:15	2.26	1656	2.65	2.65	1.9	-4.8	0	-0.8	*	3.5	10.8	6.96
	4:30	1.34	1	2.23	2.23	2	-4.8	0	-0.8	*	3.7	10.8	6.94
	4:45	-13	1	-5.3	*	2	6.75	1601	5	5	3.7	10.9	6.94
	5:00	-4.3	1	-0.7	*	2	-4.5	0	-0.8	*	3.9	11	6.95
	5:15	2.8	1657	2.92	2.92	2.1	-4.5	0	-0.8	*	3.9	10.9	6.95
	5:30	-3.8	1	-0.7	*	2.2	6.08	1651	4.6	4.6	3.4	10.9	6.95
	5:45	2.54	1656	2.81	2.81	2	-4.9	0	-0.8	*	3.4	10.9	6.95
	6:00	3.12	1656	3.08	3.08	2.3	-4.9	0	-0.8	*	3.4	10.9	6.94
	6:15	2.31	1647	2.63	2.63	1.9	-5	0	-0.8	*	3.5	11	6.95
	6:30	2.87	1652	2.93	2.93	2.2	-5	0	-0.8	*	3.5	10.9	6.93
	6:45	-3.9	723	-1.3	*	2.3	6.45	1662	4.7	4.7	3.4	10.9	6.93
	7:00	2.69	1653	2.8	2.8	2.1	-4.9	0	-0.8	*	3.6	11	6.94
	7:15	3.1	1659	3.09	3.09	2.3	-4.9	0	-0.8	*	3.6	11	6.92
	7:30	2.27	1642	2.59	2.59	1.9	8.14	1640	5.2	5.2	3.8	11	6.92
	7:45	2.8	1653	2.92	2.92	2.1	-4.7	0	-0.8	*	3.8	11	6.93
	8:00	3.96	1641	3.24	3.24	2.3	7.01	1595	5	5	3.8	11	6.93
	8:15	2.44	1656	2.74	2.74	2	-4.7	0	-0.8	*	3.4	11	6.95
	8:30	2.94	1662	2.99	2.99	2.2	-4.7	0	-0.8	*	3.4	11	6.93
	8:45	-3.2	1	-0.7	*	2.3	6.76	1652	4.9	4.9	3.6	11	6.91
	9:00	2.62	1650	2.83	2.83	2.1	-4.8	0	-0.8	*	3.5	11	6.93
	9:15	3.2	1653	3.12	3.12	2.3	-4.8	0	-0.8	*	3.5	11	6.92
	9:30	2.39	1651	2.69	2.69	2	-4.7	0	-0.8	*	3.6	11.1	6.92
	9:45	2.99	1651	2.99	2.99	2.2	-4.7	0	-0.8	*	3.6	11.1	6.91
	10:00	-3.8	1	-0.7	*	2.3	6.92	1656	5	5	3.6	11	6.9
	10:15	2.58	1652	2.81	2.81	2.1	-4.8	0	-0.8	*	3.8	11.1	6.92
	10:30	3.13	1651	3.06	3.06	2.2	-4.8	0	-0.8	*	3.8	11.1	6.92
	10:45	2.49	1650	2.7	2.7	2	-2.9	0	-0.8	*	3.8	11.1	6.93
	11:00	2.88	1651	2.96	2.96	2.2	-4.7	0	-0.8	*	3.8	11.1	6.94
	11:15	-2.5	475	-0.6	*	2.4	-4.7	0	-0.8	*	3.8	11.1	6.93
	11:30	2.6	1653	2.84	2.84	2.1	-4.8	0	-0.8	*	3.3	11.1	6.95
	11:45	3.12	1657	3.1	3.1	2.3	-4.8	0	-0.8	*	3.3	11.1	6.93

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	2.21	1633	2.56	2.56	1.9	-4.8	0	-0.8	*	3.4	11.1	6.93
	12:15	2.91	1648	2.91	2.91	2.1	-4.8	0	-0.8	*	3.4	11.1	6.93
	12:30	3.54	1647	3.18	3.18	2.3	-4.8	0	-0.8	*	3.4	11.1	6.92
	12:45	2.54	1652	2.79	2.79	2	6.96	1647	5	5	3.7	11.2	6.94
	13:00	2.59	1662	2.9	2.9	2.1	-4.6	1	-0.8	*	3.8	11.1	6.92
	13:15	4.04	1641	3.17	3.17	2.3	-4.6	0	-0.8	*	3.8	11.1	6.93
	13:30	2.6	1653	2.73	2.73	2	0.63	936	1.9	1.9	3.8	11.2	6.92
	13:45	2.79	1644	2.85	2.85	2.1	-4.6	0	-0.8	*	3.4	11.2	6.94
	14:00	3.47	1642	3.19	3.19	2.3	-4.6	0	-0.8	*	3.4	11.1	6.94
	14:15	2.33	1650	2.77	2.77	2	6.12	1649	4.6	4.6	3.4	11.1	6.95
	14:30	2.82	1661	3.06	3.06	2.2	-4.8	0	-0.8	*	3.4	11.1	6.94
	14:45	-2.1	1	-1	*	2.3	6.92	1657	5	5	3.7	11.1	6.9
	15:00	2.76	1657	2.9	2.9	2.1	-4.8	0	-0.8	*	3.8	11.1	6.92
	15:15	3.34	1656	3.19	3.19	2.3	-4.8	0	-0.8	*	3.8	11.1	6.94
	15:30	2.4	1650	2.72	2.72	2	-4.1	0	-0.9	*	3.8	11.1	6.95
	15:45	2.88	1657	2.96	2.96	2.2	-4.6	0	-0.8	*	3.8	11.1	6.96
	16:00	3.85	1643	3.14	3.14	2.3	5.32	1580	4.2	4.2	3.8	11.1	6.95
	16:15	2.56	1653	2.8	2.8	2.1	-4.8	0	-0.8	*	3.5	11.1	6.98
	16:30	3.15	1657	3.07	3.07	2.2	-4.8	0	-0.8	*	3.5	11.1	6.95
	16:45	-3.9	1	-0.7	*	2.3	6.59	1658	4.9	4.9	3.6	11.1	6.94
	17:00	2.8	1656	2.94	2.94	2.2	-4.6	0	-0.8	*	3.6	11.1	6.95
	17:15	3.26	1660	3.15	3.15	2.3	1.41	970	2.2	2.2	3.6	11.1	6.95
	17:30	2.44	1655	2.74	2.74	2	-4.8	0	-0.8	*	3.7	11.1	6.97
	17:45	3	1655	3.02	3.02	2.2	-4.8	0	-0.8	*	3.7	11.1	6.94
	18:00	-2.9	1	-0.7	*	2.4	7.08	1660	5.1	5.1	3.7	11.1	6.92
	18:15	-4.4	1	-0.7	*	2	-4.6	0	-0.8	*	3.8	11.1	6.94
	18:30	3.06	1650	3.05	3.05	2.2	-4.6	0	-0.8	*	3.8	11	6.94
	18:45	-3.6	1	-0.7	*	2.3	6.16	1650	4.6	4.6	3.4	11.1	6.95
	19:00	2.89	1653	2.92	2.92	2.1	-4.8	0	-0.8	*	3.5	11	6.95
	19:15	3.28	1657	3.18	3.18	2.3	-4.8	0	-0.8	*	3.5	11	6.94
	19:30	2.42	1658	2.73	2.73	2	-4.8	0	-0.8	*	3.6	11.1	6.97
	19:45	2.96	1655	3	3	2.2	-4.8	0	-0.8	*	3.6	11	6.94
	20:00	-3.3	1	-0.7	*	2.3	6.92	1652	5	5	3.7	11.1	6.93
	20:15	2.78	1653	2.91	2.91	2.2	-4.7	0	-0.8	*	3.8	11	6.96
	20:30	3.34	1654	3.19	3.19	2.3	-4.7	0	-0.8	*	3.8	11	6.95
	20:45	2.42	1650	2.73	2.73	2	-2.9	0	-0.8	*	3.8	11	6.96

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	2.68	1652	2.86	2.86	2.1	-4.6	0	-0.8	*	3.8	11	6.96
	21:15	3.28	1649	3.18	3.18	2.3	1.52	1029	2.3	2.3	3.8	11	6.95
	21:30	2.52	1655	2.78	2.78	2	-4.7	0	-0.8	*	3.5	11.1	6.99
	21:45	3	1654	3.02	3.02	2.2	-4.7	0	-0.8	*	3.5	11	6.95
	22:00	-3.8	1	-0.7	*	2.4	6.56	1655	4.8	4.8	3.5	11	6.93
	22:15	2.74	1654	2.89	2.89	2.1	-4.8	0	-0.8	*	3.6	11	6.94
	22:30	3.32	1660	3.18	3.18	2.3	-4.8	0	-0.8	*	3.6	11	6.93
	22:45	2.38	1656	2.71	2.71	2	-4.8	0	-0.8	*	3.7	11	6.93
	23:00	2.96	1657	3	3	2.2	-4.8	0	-0.8	*	3.7	11	6.93
	23:15	4.32	1496	2.94	2.94	2.3	7.01	1651	5	5	3.6	11	6.93
	23:30	-4.3	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.8	11.1	6.95
	23:45	3.36	1784	2.98	2.98	2.1	6.52	1653	4.8	4.8	3.5	11.1	6.94
2/10/2014	0:00	3.2	1806	2.9	2.9	2	7.32	1651	5.2	5.2	3.8	11	6.96
	0:15	3.2	1801	2.9	2.9	2	7.81	1864	5.4	5.4	3.5	11	6.91
	0:30	-4	1	-0.7	*	2	9.36	1897	6.2	6.2	3.9	11	6.94
	0:45	-2.6	1	0.3	0.3	2	-33	0	-16	*	4.3	11	6.92
	1:00	2.56	1655	2.8	2.8	2	-4.9	0	-0.8	*	4.3	11	6.93
	1:15	2.92	1657	3	3	2.2	-4.9	0	-0.8	*	4.3	11	6.94
	1:30	2.16	1654	2.6	2.6	1.9	-4.8	0	-0.8	*	3.6	11	6.95
	1:45	2.76	1654	2.9	2.9	2.1	-4.8	0	-0.8	*	3.6	10.9	6.95
	2:00	4.16	1637	3.1	3.1	2.2	6.28	1641	4.7	4.7	3.5	10.9	6.95
	2:15	2.36	1657	2.7	2.7	2	-30	0	-14	*	3.7	10.9	6.96
	2:30	2.96	1657	3	3	2.2	0.52	0	1.8	1.8	3.7	10.9	6.95
	2:45	-0.5	244	1.2	1.2	2.2	9.56	1889	6.3	6.3	4	10.9	6.95
	3:00	2.43	1661	2.8	2.8	2	5.67	1638	4.2	4.2	4	10.9	6.93
	3:15	2.79	1661	3	3	2.2	5.47	1497	4.1	4.1	3.3	10.8	6.96
	3:30	2.09	1644	2.5	2.5	1.9	7.07	1871	4.9	4.9	3.1	10.9	6.9
	3:45	2.89	1646	2.9	2.9	2.1	-4.3	0	-0.8	*	3.1	10.9	6.93
	4:00	3.55	1645	3.1	3.1	2.3	-34	0	-17	*	3.1	10.8	6.9
	4:15	2.36	1656	2.7	2.7	2	-4.8	0	-0.8	*	3.1	10.9	6.92
	4:30	2.96	1654	3	3	2.2	-4.8	0	-0.8	*	3.1	10.8	6.93
	4:45	-2.7	1	-0.7	*	2.3	7.49	1890	5.2	5.2	3.3	10.9	6.93
	5:00	2.56	1657	2.8	2.8	2.1	-4.8	0	-0.8	*	3.4	10.8	6.95
	5:15	3.16	1658	3.1	3.1	2.3	-4.8	0	-0.8	*	3.4	10.8	6.94
	5:30	2.45	1649	2.7	2.7	2	-4.8	0	-0.8	*	3.1	10.8	6.97
	5:45	3.05	1647	3	3	2.2	-4.8	0	-0.8	*	3.1	10.8	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	6:00	-3.7	1	-0.7	*	2.3	5.95	1660	4.6	4.6	3.3	10.8	6.93
	6:15	2.72	1659	2.9	2.9	2.1	-4.9	0	-0.8	*	3.3	10.7	6.94
	6:30	3.21	1642	3.1	3.1	2.2	-4.9	0	-0.8	*	3.3	10.7	6.92
	6:45	2.19	1661	2.7	2.7	1.9	-4.7	0	-0.8	*	3.4	10.7	6.92
	7:00	2.75	1656	3	3	2.2	-4.7	0	-0.8	*	3.4	10.7	6.92
	7:15	4.02	1512	2.9	2.9	2.3	6.16	1645	4.6	4.6	3.4	10.7	6.9
	7:30	2.56	1654	2.8	2.8	2	-4.9	0	-0.8	*	3.5	10.8	6.91
	7:45	3.16	1652	3.1	3.1	2.2	-4.9	0	-0.8	*	3.5	10.7	6.91
	8:00	-0.5	1051	1.3	1.3	2.3	-4.8	0	-0.8	*	3.1	10.7	6.92
	8:15	2.72	1660	2.9	2.9	2.1	-4.8	0	-0.8	*	3.1	10.7	6.91
	8:30	3.29	1659	3.1	3.1	2.3	-4.8	0	-0.8	*	3.1	10.6	6.93
	8:45	2.56	1655	2.8	2.8	2.1	-4.8	0	-0.8	*	3.3	10.7	6.94
	9:00	2.96	1654	3	3	2.2	-4.8	0	-0.8	*	3.3	10.7	6.92
	9:15	-2.2	1	-1.1	*	2.3	5.95	1667	4.6	4.6	3.3	10.7	6.91
	9:30	2.72	1652	2.9	2.9	2.1	-4.7	0	-0.8	*	3.4	10.6	6.94
	9:45	3.16	1657	3.1	3.1	2.3	-4.7	0	-0.8	*	3.4	10.6	6.91
	10:00	2.56	1657	2.8	2.8	2	-4.1	0	-0.9	*	3.5	10.6	6.94
	10:15	2.81	1651	2.9	2.9	2.1	-4.6	0	-0.8	*	3.5	10.6	6.93
	10:30	3.36	1652	3.2	3.2	2.3	-4.6	0	-0.8	*	3.5	10.7	6.94
	10:45	2.65	1646	2.8	2.8	2.1	6.05	1651	4.5	4.5	3.3	10.9	6.97
	11:00	2.56	1646	2.8	2.8	2.1	6.16	1643	4.6	4.6	3.4	10.9	6.97
	11:15	3.36	1660	3.2	3.2	2.3	-4.7	0	-0.8	*	3.4	10.8	6.98
	11:30	-4.5	1	-0.7	*	2	-4.6	0	-0.8	*	3.5	10.9	6.99
	11:45	3.01	1653	3	3	2.1	-4.6	0	-0.8	*	3.5	10.9	6.97
	12:00	3.93	1646	3.2	3.2	2.3	2.61	1160	2.8	2.8	3.5	10.8	6.97
	12:15	2.61	1655	2.8	2.8	2.1	-4.3	0	-0.8	*	3.5	10.9	6.95
	12:30	3.01	1653	3	3	2.2	-4.6	0	-0.8	*	3.5	10.8	6.95
	12:45	-3.9	1	-0.8	*	2.4	5.88	1647	4.5	4.5	3.3	10.8	6.95
	13:00	2.76	1650	2.9	2.9	2.1	-4.8	0	-0.8	*	3.3	10.8	6.97
	13:15	3.16	1654	3.1	3.1	2.3	-4.8	0	-0.8	*	3.3	10.8	6.95
	13:30	2.25	1647	2.6	2.6	2	5.92	1653	4.5	4.5	3.3	10.9	6.93
	13:45	2.76	1655	2.9	2.9	2.1	-4.6	0	-0.8	*	3.5	10.9	6.96
	14:00	3.32	1651	3.2	3.2	2.3	-4.6	0	-0.8	*	3.5	10.8	6.95
	14:15	2.35	1670	2.8	2.8	2	-4.6	0	-0.8	*	3.5	10.9	6.95
	14:30	1	1	2.3	2.3	4738	6.56	1655	4.8	4.8	3.5	10.8	6.96
	14:45	2.68	1652	2.9	2.9	2.2	-4.7	81	-0.8	*	3.2	10.9	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	-2	1	-1	*	2.3	6.05	1652	4.5	4.5	3.3	10.8	6.93
	15:15	2.76	1658	2.9	2.9	2.1	-4.7	0	-0.8	*	3.3	10.8	6.95
	15:30	3.36	1652	3.2	3.2	2.4	-4.7	0	-0.8	*	3.3	10.8	6.95
	15:45	2.52	1658	2.8	2.8	2	-4.8	0	-0.8	*	3.4	10.8	6.97
	16:00	2.96	1651	3	3	2.2	-4.8	0	-0.8	*	3.4	10.7	6.95
	16:15	-3.9	1	-0.8	*	2.3	6.23	1657	4.7	4.7	3.4	10.7	6.94
	16:30	2.52	1661	2.8	2.8	2.1	-4.7	0	-0.8	*	3.6	10.8	6.95
	16:45	3.16	1657	3.1	3.1	2.3	-4.7	0	-0.8	*	3.6	10.7	6.93
	17:00	-2.8	1	-0.7	*	2.4	6.41	1622	4.7	4.7	3.4	10.8	6.9
	17:15	2.81	1649	2.9	2.9	2.2	-5	0	-0.8	*	3.5	10.7	6.94
	17:30	3.41	1649	3.2	3.2	2.3	-5	0	-0.8	*	3.5	10.7	6.93
	17:45	2.61	1657	2.8	2.8	2.1	-4.9	0	-0.8	*	3.2	10.7	6.96
	18:00	3.21	1654	3.1	3.1	2.2	-4.9	0	-0.8	*	3.2	10.7	6.93
	18:15	-3.7	1	-0.7	*	2.4	6.1	1666	4.7	4.7	3.4	10.7	6.92
	18:30	2.92	1659	3	3	2.1	-4.6	0	-0.8	*	3.4	10.7	6.94
	18:45	3.32	1656	3.2	3.2	2.3	-4.6	0	-0.8	*	3.4	10.6	6.92
	19:00	2.56	1656	2.8	2.8	2	-4.8	0	-0.8	*	3.5	10.7	6.92
	19:15	3.12	1652	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	10.6	6.92
	19:30	5.41	1477	3.4	3.4	2.4	6.55	1656	4.9	4.9	3.5	10.6	6.92
	19:45	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.6	10.7	6.93
	20:00	3.16	1653	3.1	3.1	2.2	-4.6	0	-0.8	*	3.6	10.6	6.93
	20:15	-3.9	1	-0.8	*	2.4	5.92	1655	4.5	4.5	3.2	10.7	6.93
	20:30	2.96	1654	3	3	2.2	-4.8	0	-0.8	*	3.3	10.6	6.95
	20:45	3.36	1654	3.2	3.2	2.3	-4.8	0	-0.8	*	3.3	10.6	6.93
	21:00	-4.4	1	-0.7	*	2.4	-4.6	0	-0.8	*	3.5	10.6	6.93
	21:15	2.92	1653	3	3	2.2	-4.6	0	-0.8	*	3.5	10.6	6.94
	21:30	3.52	1652	3.3	3.3	2.4	-4.6	0	-0.8	*	3.5	10.6	6.93
	21:45	2.76	1653	2.9	2.9	2.1	-4.8	0	-0.8	*	3.5	10.6	6.95
	22:00	3.21	1650	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	10.6	6.92
	22:15	-3.5	1	-0.7	*	2.4	6.96	1652	5	5	3.6	10.6	6.9
	22:30	1.25	1293	2.1	2.1	2.1	-4.6	0	-0.8	*	3.6	10.6	6.92
	22:45	3.32	1661	3.2	3.2	2.3	-4.6	0	-0.8	*	3.6	10.5	6.92
	23:00	1.01	1328	2	2	2.4	-4.7	0	-0.8	*	3.4	10.7	6.94
	23:15	3.16	1657	3.1	3.1	2.2	-4.8	0	-0.8	*	3.4	10.5	6.94
	23:30	3.76	1656	3.4	3.4	2.4	6.05	1533	4.5	4.5	3.4	10.5	6.93
	23:45	2.76	1654	2.9	2.9	2.1	-4.7	0	-0.8	*	3.5	10.5	6.96

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
2/11/2014	0:00	3.36	1649	3.2	3.2	2.3	-4.7	0	-0.8	*	3.5	10.4	6.94
	0:15	-2.4	1	-1.2	*	2.4	6.76	1655	4.9	4.9	3.5	10.5	6.91
	0:30	2.96	1652	3	3	2.2	-4.7	0	-0.8	*	3.7	10.4	6.93
	0:45	3.56	1655	3.3	3.3	2.4	-4.7	0	-0.8	*	3.7	10.4	6.92
	1:00	2.76	1650	2.9	2.9	2.1	-4.7	0	-0.8	*	3.6	10.4	6.96
	1:15	3.16	1653	3.1	3.1	2.3	-4.7	0	-0.8	*	3.6	10.4	6.92
	1:30	-13	1	-5.4	*	2.4	7.08	1615	5.1	5.1	3.7	10.4	6.91
	1:45	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.7	10.4	6.92
	2:00	3.16	1654	3.1	3.1	2.3	-4.6	0	-0.8	*	3.7	10.4	6.93
	2:15	-3.7	1	-0.7	*	2.4	5.99	1656	4.6	4.6	3.3	10.4	6.93
	2:30	3.16	1657	3.1	3.1	2.2	-4.7	0	-0.8	*	3.4	10.4	6.94
	2:45	3.56	1660	3.3	3.3	2.3	-4.7	0	-0.8	*	3.4	10.3	6.93
	3:00	-4.5	1	-0.7	*	2.4	-4.6	0	-0.8	*	3.5	10.3	6.94
	3:15	3.21	1649	3.1	3.1	2.2	-4.6	0	-0.8	*	3.5	10.3	6.94
	3:30	3.76	1656	3.4	3.4	2.5	-4.6	0	-0.8	*	3.5	10.3	6.94
	3:45	2.92	1658	3	3	2.2	-4.8	0	-0.8	*	3.8	10.3	6.96
	4:00	3.32	1655	3.2	3.2	2.3	-4.8	0	-0.8	*	3.8	10.2	6.93
	4:15	-2.7	1	-0.7	*	2.4	6.7	1660	5	5	3.6	10.2	6.91
	4:30	3.21	1658	3.1	3.1	2.2	-4.7	0	-0.8	*	3.7	10.2	6.94
	4:45	3.56	1657	3.3	3.3	2.4	-4.7	0	-0.8	*	3.7	10.2	6.91
	5:00	2.81	1658	2.9	2.9	2	-4.7	0	-0.8	*	3.4	10.2	6.96
	5:15	3.36	1654	3.2	3.2	2.3	-4.7	0	-0.8	*	3.4	10.2	6.94
	5:30	-28	1	-13	*	2.4	-4.7	0	-0.8	*	3.4	10.1	6.94
	5:45	3.21	1662	3.1	3.1	2.2	-4.8	0	-0.8	*	3.3	10.2	6.94
	6:00	3.48	1658	3.3	3.3	2.3	-4.8	0	-0.8	*	3.3	10.1	6.92
	6:15	2.69	1637	2.8	2.8	2	6.72	1654	4.9	4.9	3.5	10.2	6.91
	6:30	3.16	1657	3.1	3.1	2.2	-4.7	0	-0.8	*	3.6	10.2	6.9
	6:45	3.76	1652	3.4	3.4	2.4	-4.7	0	-0.8	*	3.6	10.1	6.9
	7:00	2.72	1664	2.9	2.9	2.1	-4.1	0	-0.9	*	3.7	10.1	6.91
	7:15	3.12	1660	3.1	3.1	2.2	-4.6	0	-0.8	*	3.7	10.1	6.92
	7:30	4.15	1640	3.4	3.4	2.4	1.01	933	2	2	3.7	10.1	6.91
	7:45	3.01	1650	3	3	2.1	-4.8	0	-0.8	*	3.3	10.1	6.93
	8:00	3.56	1652	3.3	3.3	2.4	-4.8	0	-0.8	*	3.3	10.1	6.9
	8:15	-3.1	1	-0.7	*	2.4	6.48	1656	4.8	4.8	3.4	10.1	6.9
	8:30	3.49	1648	3.2	3.2	2.3	-4.7	0	-0.8	*	3.4	10.1	6.89
	8:45	3.89	1648	3.4	3.4	2.4	-4.7	0	-0.8	*	3.4	10	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	9:00	3.01	1646	3	3	2.1	7.12	1653	5.1	5.1	3.6	10.1	6.89
	9:15	3.23	1656	3.2	3.2	2.3	-4.6	0	-0.8	*	3.7	10.1	6.89
	9:30	4.59	1638	3.4	3.4	2.4	-5.8	0	-1.4	*	3.7	10	6.89
	9:45	3.09	1658	3	3	2.2	-4.7	0	-0.8	*	3.7	10.1	6.91
	10:00	3.56	1658	3.3	3.3	2.3	-4.7	0	-0.8	*	3.7	10	6.9
	10:15	-5.8	1	-1.5	*	2.5	5.12	1637	4.1	4.1	3.3	10.1	6.91
	10:30	-29	1	-14	*	2.3	6.05	1624	4.5	4.5	3.3	10	6.91
	10:45	-4	1	-0.7	*	2.2	6.99	1657	5.1	5.1	3.6	10.1	6.92
	11:00	-4	1	-0.7	*	2.1	-2.6	0	-1.3	*	3.8	10.1	6.89
	11:15	-4	1	-0.7	*	2.1	6.69	1444	4.8	4.8	3.5	10.2	6.91
	11:30	3.6	1790	3.1	3.1	2.1	7.25	1657	5.1	5.1	3.6	10.1	6.9
	11:45	-4	1	-0.7	*	2	-3.4	0	-0.8	*	3.8	10	6.89
	12:00	-4	1	-0.7	*	2.1	6.92	1654	5	5	3.6	10	6.92
	12:15	-2.5	0	-0.7	*	2.1	7.72	1656	5.4	5.4	3.8	9.99	6.92
	12:30	-4.3	1	-0.7	*	2.1	-4.5	0	-0.8	*	4	10	6.9
	12:45	2.72	1661	2.9	2.9	2.1	-4.5	0	-0.8	*	4	9.99	6.93
	13:00	3.39	1659	3.3	3.3	2.3	-4.5	0	-0.8	*	4	9.96	6.94
	13:15	2.36	1652	2.7	2.7	2	6.89	1644	4.9	4.9	3.5	10.2	6.95
	13:30	3.01	1655	3	3	2.1	-4.6	0	-0.8	*	3.6	10	6.94
	13:45	3.58	1646	3.2	3.2	2.3	-4.6	0	-0.8	*	3.6	9.97	6.93
	14:00	2.56	1654	2.8	2.8	2	-4.8	0	-0.8	*	3.7	10.1	6.94
	14:15	3.41	1658	3.2	3.2	2.3	-4.8	0	-0.8	*	3.7	9.94	6.93
	14:30	-2.4	1	-0.7	*	2.3	6.95	1659	5.1	5.1	3.6	9.94	6.91
	14:45	-4.3	1	-0.7	*	2.1	-4.5	0	-0.8	*	3.8	9.96	6.92
	15:00	3.16	1651	3.1	3.1	2.2	-4.5	0	-0.8	*	3.8	9.94	6.93
	15:15	-5.5	1	-1.3	*	2.3	6.65	1645	4.8	4.8	3.4	9.97	6.93
	15:30	2.92	1656	3	3	2.2	-4.9	0	-0.8	*	3.4	9.98	6.93
	15:45	3.56	1659	3.3	3.3	2.3	-4.9	0	-0.8	*	3.4	9.99	6.91
	16:00	2.76	1651	2.9	2.9	2	-4.7	0	-0.8	*	3.6	10.1	6.94
	16:15	3.16	1654	3.1	3.1	2.2	-4.7	0	-0.8	*	3.6	10	6.91
	16:30	-2.7	0	-1.2	*	2.3	7.12	1653	5.1	5.1	3.6	10.1	6.9
	16:45	2.96	1651	3	3	2.1	-4.7	0	-0.8	*	3.7	10	6.91
	17:00	3.56	1653	3.3	3.3	2.3	-4.7	0	-0.8	*	3.7	10	6.91
	17:15	2.56	1660	2.8	2.8	2	-14	0	-5.8	*	3.8	10.1	6.91
	17:30	2.96	1654	3	3	2.1	-4.5	0	-0.8	*	3.8	10	6.91
	17:45	3.52	1653	3.3	3.3	2.3	-4.5	0	-0.8	*	3.8	9.98	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	2.72	1648	2.9	2.9	2.1	6.65	1648	4.8	4.8	3.5	10.1	6.93
	18:15	3.16	1653	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	9.98	6.9
	18:30	-3.8	1	-0.7	*	2.4	6.88	1661	5	5	3.5	9.99	6.89
	18:45	2.96	1649	3	3	2.1	-4.7	0	-0.8	*	3.6	9.99	6.91
	19:00	3.36	1654	3.2	3.2	2.3	-4.7	0	-0.8	*	3.6	9.99	6.89
	19:15	2.76	1653	2.9	2.9	2	-4.8	0	-0.8	*	3.7	10	6.9
	19:30	3.36	1650	3.2	3.2	2.2	-4.8	0	-0.8	*	3.7	10	6.9
	19:45	4.18	1516	3	3	2.4	7.25	1641	5.1	5.1	3.6	10	6.91
	20:00	-4.4	1	-0.7	*	2.1	-4.5	0	-0.8	*	3.8	10.1	6.92
	20:15	3.36	1657	3.2	3.2	2.3	-4.5	0	-0.8	*	3.8	10	6.91
	20:30	-3.9	1	-0.8	*	2.4	6.85	1645	4.9	4.9	3.5	10	6.9
	20:45	3.16	1654	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	10	6.93
	21:00	3.61	1653	3.3	3.3	2.3	-4.8	0	-0.8	*	3.5	10	6.9
	21:15	2.61	1654	2.8	2.8	2	-4.8	0	-0.8	*	3.6	10	6.92
	21:30	3.36	1651	3.2	3.2	2.2	-4.8	0	-0.8	*	3.6	10	6.92
	21:45	4.67	1639	3.4	3.4	2.4	1.72	997	2.4	2.4	3.6	10	6.92
	22:00	2.96	1659	3	3	2.1	-4.8	0	-0.8	*	3.7	10	6.94
	22:15	3.52	1654	3.3	3.3	2.3	-4.8	0	-0.8	*	3.7	10	6.91
	22:30	0.25	867	1.6	1.6	2.4	7.85	1650	5.4	5.4	3.8	10.1	6.92
	22:45	2.96	1654	3	3	2.1	-4.6	0	-0.8	*	3.8	10.1	6.93
	23:00	3.61	1660	3.3	3.3	2.3	-4.6	0	-0.8	*	3.8	10	6.93
	23:15	2.72	1657	2.9	2.9	2	-4.8	0	-0.8	*	3.3	10	6.94
	23:30	3.19	1660	3.2	3.2	2.3	-4.8	0	-0.8	*	3.3	10	6.92
	23:45	4.54	1637	3.4	3.4	2.4	6.36	1642	4.7	4.7	3.4	10	6.91
2/12/2014	0:00	2.92	1656	3	3	2.1	-4.7	0	-0.8	*	3.6	10.1	6.93
	0:15	3.39	1661	3.3	3.3	2.4	-4.7	0	-0.8	*	3.6	10	6.92
	0:30	-4.1	1	-0.7	*	2.4	7.32	1657	5.2	5.2	3.7	10.1	6.91
	0:45	2.88	1613	3	3	2.2	-4.7	0	-0.8	*	3.6	10.1	6.91
	1:00	0.84	1	2.2	2.2	2.2	-11	0	-4.3	*	3.8	10.1	6.91
	1:15	0.65	800	1.8	1.8	2.2	6.89	1651	4.9	4.9	3.5	10.2	6.94
	1:30	3.16	1658	3.1	3.1	2.2	-4.9	0	-0.8	*	3.5	10.1	6.93
	1:45	3.76	1654	3.4	3.4	2.4	-4.9	0	-0.8	*	3.5	10.1	6.93
	2:00	2.76	1654	2.9	2.9	2.1	-4.8	0	-0.8	*	3.6	10.1	6.96
	2:15	3.61	1653	3.3	3.3	2.3	-4.8	0	-0.8	*	3.6	10.1	6.93
	2:30	-2.5	1	-1	*	2.4	7.16	1649	5.1	5.1	3.7	10.1	6.91
	2:45	2.96	1659	3	3	2.1	-4.8	0	-0.8	*	3.8	10.1	6.93

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	3.76	1653	3.4	3.4	2.4	-4.8	0	-0.8	*	3.8	10.1	6.92
	3:15	2.96	1660	3	3	2.1	-4.1	0	-0.9	*	3.9	10.1	6.96
	3:30	3.21	1656	3.1	3.1	2.2	-4.5	0	-0.8	*	3.9	10.1	6.95
	3:45	3.81	1650	3.4	3.4	2.4	-4.5	0	-0.8	*	3.9	10.1	6.93
	4:00	3.01	1654	3	3	2.1	-4.6	0	-0.8	*	3.5	10.1	6.97
	4:15	3.36	1656	3.2	3.2	2.3	-4.6	0	-0.8	*	3.5	10.1	6.93
	4:30	-3.9	1	-0.8	*	2.4	6.76	1653	4.9	4.9	3.5	10.1	6.92
	4:45	3.21	1652	3.1	3.1	2.2	-4.8	0	-0.8	*	3.7	10.1	6.93
	5:00	3.76	1653	3.4	3.4	2.4	-4.8	0	-0.8	*	3.7	10.1	6.92
	5:15	2.76	1659	2.9	2.9	2.1	-4.8	0	-0.8	*	3.7	10.1	6.92
	5:30	3.36	1650	3.2	3.2	2.3	-4.8	0	-0.8	*	3.7	10.1	6.93
	5:45	4.68	1492	3.1	3.1	2.5	7.25	1648	5.1	5.1	3.7	10.1	6.91
	6:00	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.9	10.1	6.92
	6:15	3.61	1648	3.3	3.3	2.3	-4.6	0	-0.8	*	3.9	10.1	6.92
	6:30	-3.7	1	-0.7	*	2.4	6.52	1653	4.8	4.8	3.4	10.1	6.93
	6:45	3.21	1656	3.1	3.1	2.2	-4.8	0	-0.8	*	3.5	10.1	6.93
	7:00	3.56	1648	3.3	3.3	2.4	-4.8	0	-0.8	*	3.5	10.1	6.93
	7:15	2.76	1656	2.9	2.9	2.1	-4.8	0	-0.8	*	3.6	10.1	6.92
	7:30	3.36	1654	3.2	3.2	2.3	-4.8	0	-0.8	*	3.6	10.1	6.94
	7:45	5.81	1479	3.6	3.6	2.5	6.92	1650	5	5	3.6	10.1	6.93
	8:00	3.21	1655	3.1	3.1	2.2	-4.8	0	-0.8	*	4	10.1	6.93
	8:15	3.76	1649	3.4	3.4	2.4	-4.8	0	-0.8	*	4	10.1	6.92
	8:30	2.81	1634	2.9	2.9	2.5	7.36	1653	5.2	5.2	3.7	10.2	6.89
	8:45	3.56	1655	3.3	3.3	2.3	-4.8	0	-0.8	*	3.8	10.1	6.94
	9:00	4.4	1644	3.5	3.5	2.5	-4.8	0	-0.8	*	3.8	10.1	6.93
	9:15	2.96	1662	3	3	2.2	-4.8	0	-0.8	*	3.5	10.2	6.95
	9:30	3.56	1653	3.3	3.3	2.4	-4.8	0	-0.8	*	3.5	10.2	6.94
	9:45	2.81	1663	2.9	2.9	2	-4.7	0	-0.8	*	3.6	10.3	6.94
	10:00	3.36	1655	3.2	3.2	2.3	-4.7	0	-0.8	*	3.6	10.3	6.94
	10:15	4.57	1643	3.5	3.5	2.5	-4.7	0	-0.8	*	3.6	10.1	6.92
	10:30	3.29	1652	3.1	3.1	2.2	-4.8	0	-0.8	*	3.6	10.1	6.99
	10:45	3.56	1654	3.3	3.3	2.4	-4.8	0	-0.8	*	3.6	10.1	6.98
	11:00	-3.6	1	-0.7	*	2.5	6.96	1646	5	5	3.5	10.2	6.96
	11:15	3.36	1653	3.2	3.2	2.3	-4.8	0	-0.8	*	3.8	10.3	6.98
	11:30	3.76	1651	3.4	3.4	2.5	-4.8	0	-0.8	*	3.8	10.3	6.97
	11:45	2.72	1652	2.9	2.9	2.1	-3.3	0	-0.8	*	3.8	10.4	6.97

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	3.36	1653	3.2	3.2	2.3	-4.6	0	-0.8	*	3.8	10.5	6.99
	12:15	5.65	1463	3.5	3.5	2.4	6.32	1650	4.7	4.7	3.4	10.5	7
	12:30	2.96	1657	3	3	2.1	-4.6	0	-0.8	*	3.6	10.6	7.02
	12:45	3.61	1652	3.3	3.3	2.4	-4.6	0	-0.8	*	3.6	10.6	7
	13:00	-3.1	1	-0.7	*	2.5	7.16	1653	5.1	5.1	3.7	10.6	6.98
	13:15	3.12	1653	3.1	3.1	2.2	-4.8	0	-0.8	*	3.6	10.6	7
	13:30	3.72	1654	3.4	3.4	2.4	-4.8	0	-0.8	*	3.6	10.7	6.99
	13:45	2.81	1652	2.9	2.9	2.1	-4.6	0	-0.8	*	3.8	10.7	7.02
	14:00	3.28	1657	3.2	3.2	2.3	-4.6	0	-0.8	*	3.8	10.7	6.99
	14:15	-3.9	1	-0.8	*	2.5	-4.6	0	-0.8	*	3.8	10.8	6.99
	14:30	3.03	1659	3.1	3.1	2.3	7.12	1647	5.1	5.1	3.7	10.8	7
	14:45	3.85	1653	3.4	3.4	2.5	-4.7	0	-0.8	*	3.5	11	7.02
	15:00	2.48	1653	2.8	2.8	2.1	-4.7	0	-0.8	*	3.5	10.9	6.95
	15:15	3.19	1665	3.2	3.2	2.3	-4.7	0	-0.8	*	3.5	10.9	7.01
	15:30	4.7	1642	3.5	3.5	2.5	6.76	1647	4.9	4.9	3.5	10.9	7
	15:45	-6.1	1	-1.5	*	2.1	-4.6	0	-0.8	*	3.8	10.9	7
	16:00	3.32	1654	3.2	3.2	2.3	-4.6	0	-0.8	*	3.8	10.9	6.99
	16:15	-3.9	1	-0.8	*	2.5	7.19	1662	5.2	5.2	3.8	10.9	6.99
	16:30	-4.4	1	-0.7	*	2.2	-4.6	0	-0.8	*	3.8	10.9	7
	16:45	3.61	1655	3.3	3.3	2.4	-4.6	0	-0.8	*	3.8	10.9	7
	17:00	-2.2	1	-1.1	*	2.5	6.35	1660	4.8	4.8	3.5	11	7
	17:15	3.41	1652	3.2	3.2	2.3	-4.6	0	-0.8	*	3.5	10.9	7.01
	17:30	3.96	1654	3.5	3.5	2.5	-4.6	0	-0.8	*	3.5	10.8	6.99
	17:45	-4.5	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.8	10.8	7
	18:00	3.21	1655	3.1	3.1	2.3	-4.6	0	-0.8	*	3.8	10.8	6.98
	18:15	4.35	1647	3.5	3.5	2.6	6.92	1647	5	5	3.6	10.8	6.98
	18:30	2.96	1655	3	3	2.2	-4.8	0	-0.8	*	3.8	10.9	6.99
	18:45	3.61	1652	3.3	3.3	2.5	-4.8	0	-0.8	*	3.8	10.9	6.96
	19:00	4.41	1649	3.7	3.7	2.7	-4.1	0	-0.9	*	3.8	11	6.95
	19:15	2.89	1651	2.9	2.9	2.2	-4.9	0	-0.8	*	3.3	11	7
	19:30	3.48	1663	3.3	3.3	2.4	-4.9	0	-0.8	*	3.3	11	6.97
	19:45	-3.4	1	-0.7	*	2.6	6.63	1652	4.9	4.9	3.6	11	6.95
	20:00	3.36	1658	3.2	3.2	2.3	-4.8	0	-0.8	*	3.6	11	6.95
	20:15	3.59	1660	3.4	3.4	2.5	-4.8	0	-0.8	*	3.6	11	6.94
	20:30	2.89	1652	2.9	2.9	2.1	-4.6	0	-0.8	*	3.8	11.1	6.97
	20:45	3.52	1668	3.3	3.3	2.4	-4.6	0	-0.8	*	3.8	11.1	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	21:00	3.55	1773	3.1	3.1	2.4	10.4	1893	6.5	6.5	4.2	11.2	6.95
	21:15	3.55	1780	3.1	3.1	2.1	8.81	1897	5.9	5.9	3.8	11.2	6.96
	21:30	-4	1	-0.7	*	2.2	9.9	1902	6.6	6.6	4.2	11.2	6.95
	21:45	-4	1	-0.7	*	2.2	1.46	1053	2.4	2.4	4.4	11.2	6.92
	22:00	1.36	1284	2.2	2.2	2.2	7.52	1653	5.3	5.3	3.9	11.2	6.96
	22:15	-4.3	1	-0.7	*	2.2	8.56	1651	5.8	5.8	4.2	11.2	6.96
	22:30	2.85	1652	2.9	2.9	2.1	-4.6	0	-0.8	*	4.2	11.2	6.97
	22:45	3.41	1650	3.2	3.2	2.4	-4.6	0	-0.8	*	4.2	11.2	6.97
	23:00	2.36	1648	2.7	2.7	2	-4.8	0	-0.8	*	3.7	11.3	7
	23:15	2.96	1653	3	3	2.2	-4.8	0	-0.8	*	3.7	11.2	6.98
	23:30	4.41	1641	3.4	3.4	2.4	6.48	1643	4.8	4.8	3.6	11.2	6.98
	23:45	2.76	1654	2.9	2.9	2.1	-4.7	0	-0.8	*	3.9	11.3	6.99
2/13/2014	0:00	3.36	1654	3.2	3.2	2.3	-4.7	0	-0.8	*	3.9	11.3	6.97
	0:15	-3.6	1	-0.7	*	2.4	7.56	1649	5.3	5.3	3.9	11.3	6.97
	0:30	2.76	1651	2.9	2.9	2.2	-4.6	0	-0.8	*	4	11.3	6.99
	0:45	3.56	1651	3.3	3.3	2.4	-4.6	0	-0.8	*	4	11.3	6.97
	1:00	2.48	1656	2.8	2.8	2	8.26	1518	5	5	4	11.3	6.98
	1:15	2.92	1656	3	3	2.2	-4.6	0	-0.8	*	4	11.3	6.98
	1:30	3.56	1661	3.3	3.3	2.5	-4.6	0	-0.8	*	4	11.3	6.97
	1:45	2.61	1653	2.8	2.8	2.1	-4.8	0	-0.8	*	3.6	11.3	7.01
	2:00	3.12	1654	3.1	3.1	2.3	-4.8	0	-0.8	*	3.6	11.3	6.97
	2:15	-3.7	1	-0.7	*	2.5	6.92	1655	5	5	3.7	11.3	6.96
	2:30	2.92	1654	3	3	2.2	-4.8	0	-0.8	*	3.8	11.3	6.98
	2:45	3.56	1651	3.3	3.3	2.4	-4.8	0	-0.8	*	3.8	11.3	6.96
	3:00	2.52	1654	2.8	2.8	2.1	-4.8	0	-0.8	*	3.9	11.4	6.98
	3:15	3.16	1652	3.1	3.1	2.3	-4.8	0	-0.8	*	3.9	11.3	6.97
	3:30	5.17	1483	3.3	3.3	2.5	7.25	1640	5.1	5.1	3.8	11.3	6.96
	3:45	-4.4	1	-0.7	*	2.2	-4.6	0	-0.8	*	4	11.4	6.99
	4:00	3.21	1653	3.1	3.1	2.4	-4.6	0	-0.8	*	4	11.4	6.98
	4:15	-3.9	1	-0.8	*	2.5	6.39	1661	4.8	4.8	3.5	11.4	6.98
	4:30	2.96	1657	3	3	2.2	-4.7	0	-0.8	*	3.6	11.4	6.99
	4:45	3.52	1655	3.3	3.3	2.4	-4.7	0	-0.8	*	3.6	11.4	6.97
	5:00	2.56	1658	2.8	2.8	2.1	-4.8	0	-0.8	*	3.7	11.4	6.98
	5:15	3.12	1652	3.1	3.1	2.3	-4.8	0	-0.8	*	3.7	11.4	6.97
	5:30	4.26	1511	3	3	2.5	7.01	1432	5	5	3.7	11.4	6.97
	5:45	3.01	1653	3	3	2.2	-4.8	0	-0.8	*	3.9	11.4	6.98

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	3.61	1652	3.3	3.3	2.4	-4.8	0	-0.8	*	3.9	11.4	6.96
	6:15	0.23	1210	1.7	1.7	2.6	7.94	1646	5.4	5.4	3.9	11.5	6.97
	6:30	2.81	1653	2.9	2.9	2.2	-4.7	0	-0.8	*	3.9	11.5	6.98
	6:45	3.76	1658	3.4	3.4	2.5	-4.7	0	-0.8	*	3.9	11.5	6.97
	7:00	2.56	1651	2.8	2.8	2.1	-4.8	0	-0.8	*	3.7	11.5	7.01
	7:15	3.32	1657	3.2	3.2	2.4	-4.8	0	-0.8	*	3.7	11.5	6.97
	7:30	-29	1	-14	*	2.6	6.55	1658	4.9	4.9	3.6	11.5	6.97
	7:45	2.92	1653	3	3	2.2	-4.7	0	-0.8	*	3.7	11.5	6.98
	8:00	3.72	1652	3.4	3.4	2.5	-4.7	0	-0.8	*	3.7	11.5	6.96
	8:15	2.54	1640	2.7	2.7	2	7.36	1650	5.2	5.2	3.9	11.5	6.97
	8:30	3.36	1657	3.2	3.2	2.4	-4.8	0	-0.8	*	3.9	11.5	6.97
	8:45	4.41	1639	3.4	3.4	2.5	6.81	1620	4.9	4.9	3.9	11.5	6.96
	9:00	-4.3	1	-0.7	*	2.1	-4.6	0	-0.8	*	4	11.5	6.98
	9:15	3.36	1651	3.2	3.2	2.4	-4.6	0	-0.8	*	4	11.6	6.98
	9:30	5.12	1480	3.3	3.3	2.5	3.75	1210	3.5	3.5	4	11.6	6.98
	9:45	2.96	1656	3	3	2.2	-4.9	0	-0.8	*	3.5	11.6	7
	10:00	3.61	1658	3.3	3.3	2.5	-4.9	0	-0.8	*	3.5	11.6	6.98
	10:15	2.32	1660	2.7	2.7	2.6	6.96	1656	5	5	3.7	11.7	6.98
	10:30	3.16	1655	3.1	3.1	2.3	-4.7	0	-0.8	*	3.8	11.7	6.98
	10:45	1.41	1	2.2	2.2	2.3	7.52	1659	5.3	5.3	4	11.7	6.99
	11:00	6.41	1231	4.7	4.7	4.7	-2.1	0	-0.9	*	4.2	11.8	6.99
	11:15	2.88	1652	3	3	2.2	-4.8	0	-0.8	*	4.2	11.9	7.02
	11:30	4.22	1524	3	3	2.4	-4.8	0	-0.8	*	4.2	11.9	7.01
	11:45	2.81	1650	2.9	2.9	2.2	-4.8	0	-0.8	*	4.2	12	7.02
	12:00	3.52	1644	3.3	3.3	2.4	6.35	1655	4.8	4.8	3.6	12.1	7.03
	12:15	-4.4	1	-0.7	*	2	-4.6	0	-0.8	*	4	12	7
	12:30	3.01	1652	3	3	2.3	-4.6	0	-0.8	*	4	12	7
	12:45	3.67	1635	3.2	3.2	2.5	6.32	1397	4.7	4.7	4	12.1	7.01
	13:00	2.76	1656	2.9	2.9	2.2	-4.8	0	-0.8	*	3.9	12.2	7.03
	13:15	3.32	1655	3.2	3.2	2.4	-4.8	0	-0.8	*	3.9	12.2	7.01
	13:30	-2.3	1	-0.7	*	2.5	7.16	1647	5.1	5.1	3.9	12.2	6.99
	13:45	2.96	1654	3	3	2.3	-4.8	0	-0.8	*	3.9	12.3	7.03
	14:00	3.36	1657	3.2	3.2	2.5	-4.8	0	-0.8	*	3.9	12.4	7.01
	14:15	2.48	1650	2.8	2.8	2.1	-4.8	0	-0.8	*	3.9	12.5	7.03
	14:30	3.03	1651	3.1	3.1	2.4	5.96	1645	4.5	4.5	3.5	12.5	7.03
	14:45	3.94	1631	3.1	3.1	2.4	6.36	1644	4.7	4.7	3.6	12.6	7.01

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	2.36	1657	2.7	2.7	2.1	-4.6	0	-0.8	*	3.8	12.6	7.03
	15:15	3.12	1655	3.1	3.1	2.3	-4.6	0	-0.8	*	3.8	12.6	7.01
	15:30	-10	1	-4.1	*	2.5	-4.6	0	-0.8	*	3.8	12.6	7
	15:45	2.52	1652	2.8	2.8	2.2	7.68	1496	4.6	4.6	3.9	12.7	7
	16:00	2.96	1652	3	3	2.3	-4.6	0	-0.8	*	3.9	12.8	7
	16:15	-2	1	-1	*	2.5	6.36	1655	4.7	4.7	3.6	12.7	7
	16:30	2.96	1654	3	3	2.3	-4.7	0	-0.8	*	3.7	12.5	7
	16:45	3.36	1657	3.2	3.2	2.4	-4.7	0	-0.8	*	3.7	12.5	6.99
	17:00	2.61	1655	2.8	2.8	2.1	-4.7	0	-0.8	*	3.8	12.5	7.03
	17:15	3.16	1656	3.1	3.1	2.4	-4.7	0	-0.8	*	3.8	12.4	6.99
	17:30	-3.9	1	-0.8	*	2.6	7.12	1663	5.1	5.1	3.8	12.3	6.99
	17:45	2.81	1653	2.9	2.9	2.2	-4.6	0	-0.8	*	3.9	12.4	7.02
	18:00	3.41	1649	3.2	3.2	2.4	-4.6	0	-0.8	*	3.9	12.3	6.99
	18:15	-2.1	1	-1	*	2.5	7.76	1654	5.4	5.4	4	12.3	6.98
	18:30	2.52	1628	2.8	2.8	2.2	-4.6	0	-0.8	*	4.1	12.3	6.99
	18:45	3.56	1655	3.3	3.3	2.5	-4.6	0	-0.8	*	4.1	12.2	6.98
	19:00	2.41	1641	2.7	2.7	2.1	-4.8	0	-0.8	*	3.6	12.3	7.01
	19:15	3.12	1662	3.1	3.1	2.3	-4.8	0	-0.8	*	3.6	12.2	6.99
	19:30	4.37	1639	3.4	3.4	2.6	6.28	1639	4.7	4.7	3.6	12.3	6.98
	19:45	2.76	1653	2.9	2.9	2.2	-4.6	0	-0.8	*	3.8	12.3	7.01
	20:00	3.56	1650	3.3	3.3	2.5	-4.6	0	-0.8	*	3.8	12.3	6.98
	20:15	-3.7	1	-0.7	*	2.6	-4.7	0	-0.8	*	3.9	12.4	6.99
	20:30	3.16	1654	3.1	3.1	2.3	-4.7	0	-0.8	*	3.9	12.4	6.99
	20:45	3.76	1654	3.4	3.4	2.6	-4.7	0	-0.8	*	3.9	12.4	6.98
	21:00	2.76	1652	2.9	2.9	2.2	-2.8	0	-0.9	*	4.1	12.4	6.99
	21:15	3.21	1651	3.1	3.1	2.4	-4.6	0	-0.8	*	4.1	12.4	6.99
	21:30	4.54	1636	3.4	3.4	2.6	5.76	1632	4.4	4.4	3.4	12.4	6.99
	21:45	2.76	1651	2.9	2.9	2.2	-4.8	0	-0.8	*	3.6	12.5	7.02
	22:00	3.32	1652	3.2	3.2	2.5	-4.8	0	-0.8	*	3.6	12.5	6.97
	22:15	-4	1	-0.7	*	2.6	6.72	1653	4.9	4.9	3.7	12.6	6.99
	22:30	2.96	1657	3	3	2.3	-4.7	0	-0.8	*	3.8	12.6	6.98
	22:45	3.56	1659	3.3	3.3	2.6	-6.3	0	-1.6	*	3.8	12.6	6.98
	23:00	2.56	1653	2.8	2.8	2.1	-4.8	0	-0.8	*	3.9	12.6	7.01
	23:15	3.16	1654	3.1	3.1	2.4	-4.8	0	-0.8	*	3.9	12.6	6.98
	23:30	-2.9	1	-1.4	*	2.6	7.19	1655	5.2	5.2	3.9	12.6	6.97
	23:45	-0.4	966	1.3	1.3	2.3	-4.6	0	-0.8	*	4.1	12.6	7

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
2/14/2014	0:00	3.45	1654	3.2	3.2	2.5	-4.6	0	-0.8	*	4.1	12.6	6.99
	0:15	-3.3	1	-0.7	*	2.6	6.36	1650	4.7	4.7	3.6	12.8	7.03
	0:30	3.01	1655	3	3	2.3	-4.8	0	-0.8	*	3.7	12.6	7
	0:45	3.56	1651	3.3	3.3	2.6	-4.8	0	-0.8	*	3.7	12.6	6.98
	1:00	2.61	1655	2.8	2.8	2.2	-4.8	0	-0.8	*	3.8	12.7	7.03
	1:15	3.32	1655	3.2	3.2	2.4	-4.8	0	-0.8	*	3.8	12.7	6.99
	1:30	-3.7	1	-0.7	*	2.6	6.92	1657	5	5	3.8	12.7	6.98
	1:45	2.92	1662	3	3	2.3	-4.8	0	-0.8	*	3.9	12.7	7
	2:00	3.56	1656	3.3	3.3	2.5	-4.8	0	-0.8	*	3.9	12.7	6.99
	2:15	2.61	1646	2.8	2.8	2.2	-10	0	-4.1	*	4	12.7	7.02
	2:30	2.96	1656	3	3	2.4	-4.6	0	-0.8	*	4	12.7	7.01
	2:45	3.61	1651	3.3	3.3	2.6	-4.6	0	-0.8	*	4	12.7	7.01
	3:00	2.76	1655	2.9	2.9	2.2	-4.8	0	-0.8	*	3.6	12.8	7.06
	3:15	3.36	1652	3.2	3.2	2.5	-4.8	0	-0.8	*	3.6	12.8	7.01
	3:30	-2.6	1	-0.9	*	2.6	6.56	1651	4.8	4.8	3.7	12.8	7
	3:45	2.96	1652	3	3	2.3	-4.8	0	-0.8	*	3.7	12.8	7.02
	4:00	3.61	1655	3.3	3.3	2.6	-4.8	0	-0.8	*	3.7	12.8	7
	4:15	2.61	1651	2.8	2.8	2.2	-4.8	0	-0.8	*	3.9	12.8	7.04
	4:30	3.32	1656	3.2	3.2	2.5	-4.8	0	-0.8	*	3.9	12.8	7
	4:45	-28	1	-13	*	2.6	6.36	1686	4.7	4.7	3.6	12.9	7
	5:00	-4.4	1	-0.7	*	2.3	-4.6	0	-0.8	*	3.9	12.9	7.02
	5:15	3.16	1656	3.1	3.1	2.4	-4.6	0	-0.8	*	3.9	12.9	7.01
	5:30	-2.8	1	-1.4	*	2.6	6.16	1652	4.6	4.6	3.6	12.9	7.02
	5:45	3.01	1652	3	3	2.3	-4.8	0	-0.8	*	3.6	12.9	7.02
	6:00	3.52	1656	3.3	3.3	2.5	-4.8	0	-0.8	*	3.6	12.9	7
	6:15	2.56	1652	2.8	2.8	2.2	-4.8	0	-0.8	*	3.7	12.9	7.05
	6:30	3.32	1654	3.2	3.2	2.4	-4.8	0	-0.8	*	3.7	12.9	7
	6:45	-3.7	1	-0.7	*	2.6	8.76	1894	5.9	5.9	4	13	6.99
	7:00	-4	1	-0.7	*	2.2	-4	1	-0.9	*	4.2	12.9	7
	7:15	-4	1	-0.7	*	2.2	8.92	1894	6	6	4	13	7.03
	7:30	3.24	1792	2.9	2.9	2.1	10.1	1899	6.6	6.6	4.4	12.9	7.02
	7:45	-10	1	-4.3	*	2.1	8.08	1905	5.6	5.6	3.8	13	7.04
	8:00	2.12	1609	2.6	2.6	2.1	-4.6	0	-0.8	*	3.9	12.9	7.06
	8:15	2.76	1628	2.9	2.9	2.2	3.01	228	3	3	3.9	12.9	7.06
	8:30	5.5	1449	3.4	3.4	2.6	-4.8	0	-0.8	*	3.8	12.9	7.06
	8:45	2.56	1653	2.8	2.8	2.2	-4.6	0	-0.8	*	3.8	12.9	7.08

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	9:00	3.12	1652	3.1	3.1	2.4	-4.6	0	-0.8	*	3.8	12.9	7.07
	9:15	3.12	1652	3.1	3.1	2.4	-4.6	0	-0.8	*	3.8	12.9	7.07
	9:30	2.96	1652	3	3	2.3	-4.6	0	-0.8	*	4	12.9	7.08
	9:45	-3.6	1	-0.7	*	2.5	7.32	1657	5.2	5.2	4	13	7.06
	10:00	0.89	1300	1.9	1.9	2.2	-4.6	0	-0.8	*	4	13	7.08
	10:15	3.12	1657	3.1	3.1	2.4	-4.6	0	-0.8	*	4	13	7.08
	10:30	0.95	1473	2.1	2.1	2.5	-4.6	0	-0.8	*	4	13.1	7.07
	10:45	2.79	1660	3	3	2.3	-4.6	0	-0.8	*	4	13.1	7.1
	11:00	3.54	1646	3.2	3.2	2.5	6.32	1652	4.7	4.7	3.7	13.2	7.12
	11:15	2.36	1660	2.7	2.7	2.1	-4.8	0	-0.8	*	3.7	13.1	7.1
	11:30	2.96	1654	3	3	2.4	-4.8	0	-0.8	*	3.7	13.1	7.08
	11:45	-2.2	1	-1.1	*	2.5	6.52	1655	4.8	4.8	3.7	13.1	7.08
	12:00	2.61	1656	2.8	2.8	2.2	-4.6	0	-0.8	*	4	13.2	7.12
	12:15	3.16	1655	3.1	3.1	2.4	-4.6	0	-0.8	*	4	13.2	7.1
	12:30	2.03	1509	2.6	2.6	2.5	7.51	1643	5.1	5.1	4	13.2	7.1
	12:45	2.76	1653	2.9	2.9	2.3	-4.7	0	-0.8	*	4	13.2	7.11
	13:00	3.45	1648	3.2	3.2	2.5	-4.7	1	-0.8	*	4	13.3	7.09
	13:15	2.23	1660	2.7	2.7	2.1	-4.7	0	-0.8	*	3.3	13.3	7.13
	13:30	3.08	1652	3.1	3.1	2.4	-4.7	0	-0.8	*	3.3	13.3	7.1
	13:45	-4	1	-0.7	*	2.5	6.12	1654	4.6	4.6	3.6	13.3	7.09
	14:00	2.81	1654	2.9	2.9	2.2	-4.8	0	-0.8	*	3.7	13.3	7.09
	14:15	3.41	1654	3.2	3.2	2.5	-4.8	0	-0.8	*	3.7	13.3	7.08
	14:30	2.49	1645	2.7	2.7	2.1	6.16	1645	4.6	4.6	3.6	13.4	7.1
	14:45	3.03	1659	3.1	3.1	2.4	-4.7	0	-0.8	*	3.8	13.3	7.09
	15:00	-2.6	1	-1.3	*	2.5	-4.7	0	-0.8	*	3.8	13.3	7.04
	15:15	2.76	1656	2.9	2.9	2.2	-4.7	0	-0.8	*	3.8	13.3	7.08
	15:30	3.29	1651	3.1	3.1	2.5	6.92	1646	5	5	3.9	13.4	7.08
	15:45	-4.5	379	-0.7	*	2	-4.8	0	-0.8	*	4.1	13.4	7.09
	16:00	2.48	1655	2.8	2.8	2.2	-4.6	0	-0.8	*	4.1	13.4	7.07
	16:15	3.12	1662	3.1	3.1	2.4	-4.6	0	-0.8	*	4.1	13.3	7.09
	16:30	2.36	1658	2.7	2.7	2.1	-34	0	-16	*	3.6	13.4	7.13
	16:45	3.16	1647	3.1	3.1	2.4	-30	0	-14	*	3.6	13.3	7.08
	17:00	-2.7	1	-1	*	2.7	-36	0	-17	*	3.6	13.4	7.08
	17:15	4.08	1902	3.6	3.6	2.4	-5.8	1	-2.9	*	3.6	13.4	7.08
	17:30	4.96	1900	4	4	2.7	-5.4	0	-2.6	*	3.6	13.4	7.06
	17:45	3.35	1903	3.3	3.3	2.2	-5.4	0	-2.6	*	3.6	13.4	7.07

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	4.61	1895	3.8	3.8	2.6	-5.6	1	-2.8	*	3.6	13.4	7.05
	18:15	-3.9	1	-0.8	*	2.8	-5.6	1	-2.8	*	3.6	13.4	7.03
	18:30	4.16	1892	3.6	3.6	2.4	-5.6	0	-2.8	*	3.6	13.5	7.05
	18:45	5.05	1894	4	4	2.7	-4.6	0	-1.8	*	3.6	13.5	7.03
	19:00	3.56	1903	3.3	3.3	2.2	-4	0	-0.8	*	3.6	13.5	7.01
	19:15	4.41	1898	3.7	3.7	2.5	-4	0	-0.8	*	3.6	13.5	7.04
	19:30	5.81	1494	3.6	3.6	2.8	-6	0	-1.7	*	3.6	13.6	7.03
	19:45	3.96	1901	3.5	3.5	2.4	-6.2	0	-1.8	*	3.7	13.7	7.07
	20:00	1.74	1820	2.3	2.3	2.8	-2.6	0	-1.3	*	7596	13.7	7.07
	20:15	-4.4	1	-0.7	*	2.8	6.76	1645	4.4	4.4	3.5	13.7	7.08
	20:30	-19	1	-8.3	*	2.6	7.4	1986	5	5	3.3	13.7	7.06
	20:45	4.39	1591	3	3	3.4	-4.2	0	-0.8	*	3.1	13.7	7.07
	21:00	4.01	1890	3.5	3.5	2.4	-4.2	0	-0.8	*	3	13.7	7.06
	21:15	4.72	1892	3.9	3.9	2.7	-3.4	1	-0.8	*	3	13.7	7.01
	21:30	3.85	2073	3.4	3.4	2.8	-4.7	0	-0.8	*	3	13.7	6.98
	21:45	2.96	1655	3	3	2.4	-4.7	0	-0.8	*	3	13.7	7
	22:00	3.67	1645	3.2	3.2	2.6	-5.7	0	-1.3	*	3	13.7	7
	22:15	2.56	1650	2.8	2.8	2.2	-4.7	0	-0.8	*	3.2	13.8	7.02
	22:30	3.16	1659	3.1	3.1	2.4	-4.7	0	-0.8	*	3.2	13.8	6.99
	22:45	-1.9	1	-0.6	*	2.5	5.32	1656	4.2	4.2	3.3	13.8	6.99
	23:00	2.76	1657	2.9	2.9	2.3	-4.8	0	-0.8	*	3.4	13.8	6.99
	23:15	3.41	1653	3.2	3.2	2.5	-4.8	0	-0.8	*	3.4	13.8	6.99
	23:30	2.36	1653	2.7	2.7	2.1	-4.7	0	-0.8	*	3.7	13.8	7.03
	23:45	2.96	1657	3	3	2.4	-4.7	0	-0.8	*	3.7	13.8	6.99
2/15/2014	0:00	-4	1	-0.8	*	2.5	5.68	1653	4.4	4.4	3.5	13.8	6.98
	0:15	-4.3	1	-0.7	*	2.2	-4.5	1	-0.8	*	3.6	13.9	7.02
	0:30	2.96	1656	3	3	2.4	-4.5	1	-0.8	*	3.6	13.8	7
	0:45	-2.7	1	-0.8	*	2.5	4.55	1658	3.9	3.9	3.1	13.9	7.02
	1:00	2.72	1655	2.9	2.9	2.3	-4.6	1	-0.8	*	3.2	13.9	7.01
	1:15	3.36	1656	3.2	3.2	2.6	-4.6	0	-0.8	*	3.2	13.9	6.99
	1:30	2.36	1659	2.7	2.7	2.2	-4.8	0	-0.8	*	3.3	13.9	7.02
	1:45	3.01	1663	3	3	2.3	-4.8	0	-0.8	*	3.3	13.9	6.98
	2:00	-14	1	-5.7	*	2.6	5.32	1657	4.2	4.2	3.3	13.9	6.98
	2:15	2.48	1659	2.8	2.8	2.3	-4.7	0	-0.8	*	3.3	13.9	6.99
	2:30	2.99	1659	3.1	3.1	2.5	-4.7	0	-0.8	*	3.3	13.9	6.97
	2:45	2.29	1644	2.6	2.6	2.1	-4.8	0	-0.8	*	3.5	13.9	7

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	3.05	1653	3	3	2.4	-4.8	1	-0.8	*	3.5	13.9	6.99
	3:15	3.71	1639	3.2	3.2	2.6	5.28	1642	4.2	4.2	3.4	13.9	6.97
	3:30	2.65	1649	2.8	2.8	2.2	-4.1	0	-0.9	*	3.6	14	6.99
	3:45	3.16	1652	3.1	3.1	2.5	-4.8	0	-0.8	*	3.6	13.9	6.97
	4:00	-2.1	1	-0.7	*	2.6	5.05	1653	4	4	3.2	14	7.01
	4:15	2.76	1663	2.9	2.9	2.3	-4.7	0	-0.8	*	3.3	14	7
	4:30	3.61	1653	3.3	3.3	2.6	-4.7	0	-0.8	*	3.3	13.9	6.98
	4:45	2.56	1655	2.8	2.8	2.2	-4.8	0	-0.8	*	3.5	14	7.02
	5:00	2.96	1656	3	3	2.4	-4.8	0	-0.8	*	3.5	13.9	6.98
	5:15	-4	1	-0.8	*	2.6	5.52	1657	4.3	4.3	3.4	13.9	6.97
	5:30	2.76	1656	2.9	2.9	2.3	-4.8	1	-0.8	*	3.4	13.9	6.99
	5:45	3.36	1652	3.2	3.2	2.5	-4.8	0	-0.8	*	3.4	13.9	6.98
	6:00	2.32	1647	2.7	2.7	2.1	7.37	1466	4.4	4.4	3.6	13.9	7
	6:15	2.72	1659	2.9	2.9	2.3	-4.6	1	-0.8	*	3.6	13.9	7
	6:30	3.32	1656	3.2	3.2	2.5	-4.6	1	-0.8	*	3.6	13.9	6.99
	6:45	2.61	1655	2.8	2.8	2.2	-4.8	0	-0.8	*	3.2	13.9	7.05
	7:00	3.12	1656	3.1	3.1	2.4	-4.8	1	-0.8	*	3.2	13.9	6.99
	7:15	-3.9	1	-0.8	*	2.6	5.41	1650	4.2	4.2	3.3	13.9	6.99
	7:30	2.81	1650	2.9	2.9	2.3	-4.9	0	-0.8	*	3.4	13.9	7
	7:45	3.36	1652	3.2	3.2	2.6	-4.9	0	-0.8	*	3.4	13.9	6.99
	8:00	2.41	1652	2.7	2.7	2.2	-4.9	0	-0.8	*	3.5	13.9	7.01
	8:15	3.16	1653	3.1	3.1	2.4	-4.9	0	-0.8	*	3.5	13.9	6.99
	8:30	5.65	1471	3.5	3.5	2.6	-4.9	0	-0.8	*	3.5	13.9	6.99
	8:45	2.89	1651	2.9	2.9	2.3	-2.6	0	-1.3	*	3.5	14	7.03
	9:00	3.36	1656	3.2	3.2	2.5	-4.7	1	-0.8	*	3.5	13.9	7.01
	9:15	2.25	1655	2.6	2.6	2.7	-4.7	0	-0.8	*	3.3	13.9	7.02
	9:30	2.96	1652	3	3	2.4	-4.7	0	-0.8	*	3.3	13.9	7.02
	9:45	3.71	1629	3.2	3.2	2.6	-0.9	0	1.1	1.1	3.3	13.9	7.02
	10:00	2.45	1646	2.7	2.7	2.2	-4.6	0	-0.8	*	3.4	14	7.04
	10:15	3.01	1651	3	3	2.4	-4.6	1	-0.8	*	3.4	14	7.03
	10:30	-2.7	1	-0.7	*	2.6	-4.6	1	-0.8	*	3.4	14	7.03
	10:45	2.89	1647	2.9	2.9	2.3	-4.8	1	-0.8	*	3.5	14	7.04
	11:00	3.49	1645	3.2	3.2	2.5	-4.8	0	-0.8	*	3.5	14	7.02
	11:15	2.03	1654	2.6	2.6	2.6	6.35	1644	4.5	4.5	3.6	14.1	7.04
	11:30	2.96	1650	3	3	2.4	-3.9	1	-0.8	*	3.6	14.1	7.04
	11:45	3.56	1645	3.3	3.3	2.6	-4	0	-0.8	*	3.6	14.1	7.03

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	2.48	1662	2.8	2.8	2.3	-2.5	0	-0.8	*	3.7	14.2	7.1
	12:15	2.96	1656	3	3	2.4	-4.8	1	-0.8	*	3.1	14.2	7.08
	12:30	4.97	1481	3.2	3.2	2.6	-4.8	0	-0.8	*	3.1	14.2	7.06
	12:45	2.61	1654	2.8	2.8	2.2	-4.7	1	-0.8	*	3.1	14.2	7.08
	13:00	3.16	1652	3.1	3.1	2.5	-4.7	1	-0.8	*	3.1	14.2	7.06
	13:15	1.26	1423	2.3	2.3	2.6	-4.7	0	-0.8	*	3.1	14.2	7.03
	13:30	2.75	1662	3	3	2.4	-4.7	1	-0.8	*	3.1	14.2	7.05
	13:45	3.36	1651	3.2	3.2	2.6	5.72	1653	4.4	4.4	3.5	14.3	7.05
	14:00	2.61	1655	2.8	2.8	2.2	-4.7	0	-0.8	*	3.6	14.2	7.03
	14:15	3.16	1651	3.1	3.1	2.5	-4.7	1	-0.8	*	3.6	14.2	7.02
	14:30	-2.6	1	-1.3	*	2.6	-4.7	0	-0.8	*	3.6	14.2	7.02
	14:45	3.05	1653	3	3	2.4	-4.7	0	-0.8	*	3.6	14.2	7.05
	15:00	3.23	1662	3.2	3.2	2.5	-4.7	0	-0.8	*	3.6	14.2	7.03
	15:15	2.56	1677	2.8	2.8	2.2	-2.7	1071	-0.7	*	3.5	14.3	7.03
	15:30	2.92	1655	3	3	2.4	-4.7	0	-0.8	*	3.2	14.3	7.07
	15:45	-29	1	-13	*	2.6	-4.7	1	-0.8	*	3.2	14.3	7.02
	16:00	2.72	1656	2.9	2.9	2.3	-4.7	1	-0.8	*	3.2	14.3	7.04
	16:15	3.08	1653	3.1	3.1	2.5	-4.7	0	-0.8	*	3.2	14.3	7.04
	16:30	2.12	1660	2.6	2.6	2.1	-4.8	1	-0.8	*	3.5	14.3	7.02
	16:45	2.92	1654	3	3	2.4	-4.8	0	-0.8	*	3.5	14.3	7.01
	17:00	4.65	1635	3.3	3.3	2.6	5.32	1648	4.2	4.2	3.4	14.3	7
	17:15	-6.2	964	-1.8	*	2.6	6.75	1652	4.7	4.7	3.9	14.3	7.02
	17:30	-4	1	-0.7	*	2.2	4.88	1654	4	4	3.2	14.3	7.04
	17:45	3	1809	2.8	2.8	2.1	6.01	1656	4.5	4.5	3.5	14.3	7.03
	18:00	3	1809	2.8	2.8	2.1	-2.9	0	-0.8	*	3.7	14.3	7.03
	18:15	-38	1	-19	*	2.1	5.43	1657	4.3	4.3	3.4	14.3	7.03
	18:30	2.01	1605	2.5	2.5	2.1	-4.6	1	-0.8	*	3.6	14.3	7.04
	18:45	-3	1605		*	2.1	-4.6	0	-0.8	*	3.6	14.3	7.04
	19:00	-27	1	-13	*	2.6	5.7	1664	4.5	4.5	3.5	14.3	7.03
	19:15	2.36	1650	2.7	2.7	2.1	-4.8	0	-0.8	*	3.7	14.2	7.04
	19:30	3.01	1654	3	3	2.4	-4.8	1	-0.8	*	3.7	14.2	7.02
	19:45	2.01	1637	2.5	2.5	2	7.52	1642	4.8	4.8	3.8	14.3	7.04
	20:00	2.41	1655	2.7	2.7	2.2	-4.6	1	-0.8	*	3.8	14.3	7.04
	20:15	3.16	1651	3.1	3.1	2.5	-4.6	0	-0.8	*	3.8	14.2	7.03
	20:30	-4.8	1	-0.9	*	2.5	-4.6	0	-0.8	*	3.3	14.3	7.05
	20:45	2.76	1651	2.9	2.9	2.3	-4.6	1	-0.8	*	3.3	14.3	7.04

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	21:00	3.41	1650	3.2	3.2	2.5	-4.6	0	-0.8	*	3.3	14.3	7.03
	21:15	2.23	1657	2.7	2.7	2.2	-4.9	0	-0.8	*	3.5	14.4	7.05
	21:30	2.79	1659	3	3	2.4	-4.9	1	-0.8	*	3.5	14.3	7.03
	21:45	-2.7	1	-1.2	*	2.5	5.79	1658	4.5	4.5	3.6	14.4	7.01
	22:00	2.56	1651	2.8	2.8	2.3	-4.8	1	-0.8	*	3.8	14.4	7.02
	22:15	3.36	1651	3.2	3.2	2.5	-4.8	0	-0.8	*	3.8	14.4	7
	22:30	1.21	1140	2.1	2.1	2.6	-10	0	-4	*	3.8	14.4	7.02
	22:45	2.61	1659	2.8	2.8	2.2	-4.6	0	-0.8	*	3.8	14.4	7.03
	23:00	3.21	1655	3.1	3.1	2.5	-4.6	1	-0.8	*	3.8	14.4	7.02
	23:15	2.25	1647	2.6	2.6	2.1	5.65	1649	4.3	4.3	3.5	14.4	7.04
	23:30	2.76	1657	2.9	2.9	2.3	-4.8	1	-0.8	*	3.4	14.4	7.02
	23:45	3.41	1651	3.2	3.2	2.6	-4.8	0	-0.8	*	3.4	14.4	7.02
2/16/2014	0:00	2.49	1649	2.7	2.7	2.2	-4.9	0	-0.8	*	3.4	14.4	7.05
	0:15	2.88	1661	3	3	2.4	-4.9	0	-0.8	*	3.4	14.4	7.02
	0:30	-2.6	1	-1.3	*	2.6	5.76	1652	4.4	4.4	3.5	14.5	7.01
	0:45	2.59	1659	2.9	2.9	2.3	-4.8	1	-0.8	*	3.6	14.4	7.01
	1:00	3.28	1656	3.2	3.2	2.6	-4.8	1	-0.8	*	3.6	14.4	7
	1:15	2.49	1647	2.7	2.7	2.2	-30	0	-14	*	3.8	14.5	7.02
	1:30	2.76	1654	2.9	2.9	2.4	-4.9	0	-0.8	*	3.8	14.4	7.01
	1:45	-2.7	94	-0.7	*	2.6	5.05	1644	4	4	3.3	14.5	7.02
	2:00	2.32	1663	2.7	2.7	2.2	-4.6	0	-0.8	*	3.4	14.5	7.05
	2:15	2.96	1661	3	3	2.4	-4.6	1	-0.8	*	3.4	14.4	7.02
	2:30	-2.8	1	-1.4	*	2.6	5.65	1647	4.3	4.3	3.5	14.5	7.01
	2:45	2.56	1662	2.8	2.8	2.3	-4.9	1	-0.8	*	3.6	14.5	7.02
	3:00	3.41	1656	3.2	3.2	2.6	-4.9	0	-0.8	*	3.6	14.5	7
	3:15	2.21	1651	2.6	2.6	2.1	-4.6	1	-0.8	*	3.7	14.5	7.05
	3:30	2.96	1655	3	3	2.4	-4.6	1	-0.8	*	3.7	14.5	7.01
	3:45	-11	1	-4.6	*	2.6	6.32	1625	4.7	4.7	3.9	14.5	7
	4:00	-4.4	1	-0.7	*	2.2	-4.6	0	-0.8	*	3.8	14.5	7.02
	4:15	2.92	1655	3	3	2.4	-4.6	1	-0.8	*	3.8	14.5	7
	4:30	-2.6	1	-0.9	*	2.6	5.16	1652	4.1	4.1	3.3	14.6	7.03
	4:45	2.61	1655	2.8	2.8	2.3	-4.6	1	-0.8	*	3.4	14.5	7.03
	5:00	3.21	1653	3.1	3.1	2.5	-4.6	1	-0.8	*	3.4	14.5	7.01
	5:15	1.16	1436	2.1	2.1	2.5	-4.8	0	-0.8	*	3.5	14.6	7.02
	5:30	2.96	1653	3	3	2.4	-4.8	1	-0.8	*	3.5	14.5	7
	5:45	3.56	1656	3.3	3.3	2.6	-4.8	1	-0.8	*	3.5	14.5	6.99

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	2.15	1662	2.7	2.7	2.2	-4.8	0	-0.8	*	3.5	14.6	7.03
	6:15	-36	1	-17	*	2.4	5.75	1654	4.5	4.5	3.6	14.6	7.01
	6:30	1.38	1	2.1	2.1	2.4	6.81	1649	4.9	4.9	3.9	14.5	6.99
	6:45	-2.9	1	-0.7	*	2.4	7.08	1653	5.1	5.1	4.1	14.6	7
	7:00	2.61	1651	2.8	2.8	2.3	-4.9	0	-0.8	*	4.2	14.5	7
	7:15	3.36	1655	3.2	3.2	2.6	-4.9	1	-0.8	*	4.2	14.5	6.99
	7:30	2.36	1654	2.7	2.7	2.2	-4.9	1	-0.8	*	3.4	14.5	7.04
	7:45	3.16	1655	3.1	3.1	2.5	-4.9	1	-0.8	*	3.4	14.5	6.99
	8:00	-3.9	1	-0.8	*	2.6	5.56	1649	4.3	4.3	3.5	14.6	6.99
	8:15	2.76	1655	2.9	2.9	2.3	-4.9	1	-0.8	*	3.6	14.6	7
	8:30	3.41	1654	3.2	3.2	2.5	-4.9	0	-0.8	*	3.6	14.6	6.99
	8:45	2.49	1641	2.7	2.7	2.1	-4.6	1	-0.8	*	3.6	14.6	7.02
	9:00	3.09	1646	3	3	2.4	-4.6	0	-0.8	*	3.6	14.6	6.98
	9:15	5.65	1463	3.5	3.5	2.6	5.68	1653	4.4	4.4	3.6	14.6	6.95
	9:30	2.65	1646	2.8	2.8	2.3	-4.7	1	-0.8	*	3.7	14.6	6.97
	9:45	3.29	1648	3.1	3.1	2.6	-4.7	0	-0.8	*	3.7	14.6	6.94
	10:00	1.83	1644	2.5	2.5	2.6	6.84	1645	4.7	4.7	3.8	14.6	6.95
	10:15	-4.4	1	-0.7	*	2.3	-4.6	1	-0.8	*	3.3	14.7	6.99
	10:30	3.29	1646	3.1	3.1	2.5	-4.6	1	-0.8	*	3.3	14.7	6.97
	10:45	1.88	1639	2.5	2.5	2.6	5.52	1657	4.3	4.3	3.4	14.8	6.98
	11:00	2.89	1650	2.9	2.9	2.3	-4.8	1	-0.8	*	3.5	14.8	6.98
	11:15	3.45	1643	3.2	3.2	2.6	-4.8	0	-0.8	*	3.5	14.9	6.97
	11:30	2.23	1660	2.7	2.7	2.2	-4.7	1	-0.8	*	3.5	15	7.03
	11:45	2.83	1653	3	3	2.5	-4.7	0	-0.8	*	3.5	15	6.99
	12:00	-2.6	1	-1.3	*	2.6	5.72	1652	4.4	4.4	3.6	15.1	6.98
	12:15	2.43	1663	2.8	2.8	2.3	-4.8	1	-0.8	*	3.6	15.1	7
	12:30	2.99	1659	3.1	3.1	2.5	-4.8	1	-0.8	*	3.6	15.2	6.99
	12:45	1.49	1615	2.2	2.2	1.8	-17	0	-7.4	*	3.8	15.3	7.01
	13:00	2.76	1652	2.9	2.9	2.4	-4.8	0	-0.8	*	3.8	15.4	7
	13:15	-26	1	-13	*	2.5	4.41	1718	3.7	3.7	2.9	15.5	7.01
	13:30	2.12	1655	2.6	2.6	2.2	-4.7	1	-0.8	*	3.4	15.5	7.06
	13:45	2.92	1657	3	3	2.4	-4.6	1	-0.8	*	3.4	15.6	7.03
	14:00	-2	1	-0.9	*	2.6	-4.6	0	-0.8	*	3.4	15.6	7.03
	14:15	2.3	1663	2.8	2.8	2.3	-4.6	0	-0.8	*	3.4	15.6	7.05
	14:30	3.03	1660	3.1	3.1	2.5	-4.8	1	-0.8	*	3.4	15.6	7.05
	14:45	2.25	1647	2.6	2.6	2.2	-4.7	1	-0.8	*	3.6	15.6	7.05

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	2.89	1649	2.9	2.9	2.4	-4.7	1	-0.8	*	3.6	15.5	7.01
	15:15	-4	1	-0.8	*	2.5	5.72	1660	4.4	4.4	3.6	15.6	7
	15:30	-4.4	670	-0.7	*	2.3	-4.6	1	-0.8	*	3.2	15.7	7.04
	15:45	2.72	1660	2.9	2.9	2.4	-4.6	1	-0.8	*	3.2	15.7	7.04
	16:00	-3.3	1	-0.7	*	2.6	4.92	1653	4	4	3.3	15.6	7.03
	16:15	2.52	1657	2.8	2.8	2.3	-4.8	1	-0.8	*	3.3	15.7	7.03
	16:30	3.12	1655	3.1	3.1	2.6	-6	1	-1.4	*	3.3	15.7	7.02
	16:45	2.36	1655	2.7	2.7	2.2	-4.8	1	-0.8	*	3.5	15.7	7.05
	17:00	2.96	1660	3	3	2.4	-4.8	0	-0.8	*	3.5	15.6	7
	17:15	-2.7	1	-0.7	*	2.6	5.48	1650	4.3	4.3	3.5	15.6	7
	17:30	2.36	1657	2.7	2.7	2.3	-4.7	1	-0.8	*	3.6	15.6	7.03
	17:45	3.19	1659	3.2	3.2	2.6	-4.7	1	-0.8	*	3.6	15.6	7.01
	18:00	2.09	1597	2.5	2.5	2.2	-15	1	-6.7	*	3.9	15.6	7.05
	18:15	2.96	1659	3	3	2.5	-4.7	0	-0.8	*	3.9	15.5	7.01
	18:30	-18	1	-8.4	*	2.7	-4.7	1	-0.8	*	3.9	15.4	7
	18:45	2.69	1650	2.8	2.8	2.3	-4.7	1	-0.8	*	3.9	15.4	7.04
	19:00	3.41	1647	3.2	3.2	2.7	-4.7	0	-0.8	*	3.9	15.3	7.02
	19:15	2.09	1648	2.5	2.5	2.1	-4.7	1	-0.8	*	3.4	15.4	7.06
	19:30	3.03	1663	3.1	3.1	2.5	-4.7	1	-0.8	*	3.4	15.3	7
	19:45	4.41	1640	3.4	3.4	2.7	2.21	1120	2.6	2.6	3.4	15.3	6.98
	20:00	2.69	1656	2.8	2.8	2.3	-4.8	1	-0.8	*	3.5	15.3	7.01
	20:15	3.21	1656	3.1	3.1	2.6	-4.8	1	-0.8	*	3.5	15.3	6.98
	20:30	-3	1	-0.7	*	2.7	5.81	1649	4.4	4.4	3.6	15.4	6.99
	20:45	2.89	1649	2.9	2.9	2.5	-5	1	-0.8	*	3.7	15.3	6.98
	21:00	3.65	1644	3.3	3.3	2.7	-5	0	-0.8	*	3.7	15.3	6.97
	21:15	2.19	1658	2.7	2.7	2.2	-4.1	1	-0.9	*	3.8	15.4	7
	21:30	3.16	1652	3.1	3.1	2.6	-4.7	0	-0.8	*	3.8	15.4	6.98
	21:45	-4	1	-0.8	*	2.8	4.76	1652	3.9	3.9	3.2	15.4	6.98
	22:00	2.32	1655	2.7	2.7	2.3	-4.6	0	-0.8	*	3.4	15.4	7.02
	22:15	3.12	1657	3.1	3.1	2.6	-4.6	0	-0.8	*	3.4	15.4	7
	22:30	-3.3	1	-0.7	*	2.7	5.52	1661	4.3	4.3	3.5	15.4	7
	22:45	2.92	1658	3	3	2.4	-4.8	1	-0.8	*	3.6	15.4	6.99
	23:00	3.52	1649	3.3	3.3	2.7	-4.8	1	-0.8	*	3.6	15.5	6.95
	23:15	-6.2	1	-1.4	*	2.7	-4.8	0	-0.8	*	3.5	15.5	6.9
	23:30	2.72	1657	2.9	2.9	2.4	-4.9	1	-0.8	*	3.5	15.5	6.98
	23:45	3.52	1658	3.3	3.3	2.7	-4.9	1	-0.8	*	3.5	15.5	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
2/17/2014	0:00	2.32	1657	2.7	2.7	2.2	-4.1	1	-0.9	*	3.8	15.5	6.97
	0:15	2.72	1655	2.9	2.9	2.4	-4.6	0	-0.8	*	3.8	15.5	6.97
	0:30	3.69	1651	3.3	3.3	2.7	-4.6	1	-0.8	*	3.8	15.5	6.97
	0:45	2.28	1653	2.7	2.7	2.3	-4.8	1	-0.8	*	3.4	15.6	7.01
	1:00	3.16	1650	3.1	3.1	2.6	-4.8	1	-0.8	*	3.4	15.6	6.96
	1:15	-2.2	1	-1.1	*	2.8	5.32	1660	4.2	4.2	3.5	15.6	6.96
	1:30	2.76	1657	2.9	2.9	2.5	-4.8	0	-0.8	*	3.5	15.6	6.95
	1:45	3.61	1656	3.3	3.3	2.7	-4.8	1	-0.8	*	3.5	15.6	6.94
	2:00	2.36	1654	2.7	2.7	2.3	-4.6	0	-0.8	*	4	15.6	6.99
	2:15	3.16	1653	3.1	3.1	2.5	-4.6	0	-0.8	*	4	15.6	6.95
	2:30	-4	1	-0.8	*	2.8	5.68	1663	4.4	4.4	3.7	15.6	6.94
	2:45	3.05	1654	3	3	2.4	-4.6	1	-0.8	*	3.8	15.7	6.98
	3:00	3.56	1655	3.3	3.3	2.7	-4.6	1	-0.8	*	3.8	15.6	6.95
	3:15	3.15	1787	2.9	2.9	2.8	7.32	1899	5.2	5.2	3.7	15.7	7
	3:30	3	1806	2.8	2.8	2.1	8.72	1902	5.9	5.9	4.3	15.7	6.97
	3:45	3	1818	2.8	2.8	2.1	6.56	1925	4.8	4.8	3.4	15.7	6.94
	4:00	-4	1	-0.7	*	2.2	8.03	1895	5.6	5.6	4	15.7	6.98
	4:15	-2.6	1	0.2	0.2	2.2	8.5	1675	5.4	5.4	4.4	15.6	6.95
	4:30	2.16	1652	2.6	2.6	2.2	-4.6	1	-0.8	*	4.4	15.7	7.02
	4:45	2.96	1660	3	3	2.5	-4.6	1	-0.8	*	4.4	15.6	6.98
	5:00	-2.2	1	-1.1	*	2.7	5.32	1665	4.2	4.2	3.5	15.6	6.97
	5:15	2.52	1655	2.8	2.8	2.3	-4.8	1	-0.8	*	3.5	15.6	6.97
	5:30	3.12	1660	3.1	3.1	2.6	-4.8	1	-0.8	*	3.5	15.6	6.96
	5:45	1.92	1656	2.5	2.5	2	-4.8	1	-0.8	*	3.7	15.6	7.02
	6:00	2.76	1651	2.9	2.9	2.4	-4.8	0	-0.8	*	3.7	15.5	6.96
	6:15	-3.9	1	-0.8	*	2.6	5.85	1652	4.4	4.4	3.7	15.5	6.96
	6:30	2.61	1649	2.8	2.8	2.3	-4.6	1	-0.8	*	3.8	15.5	6.97
	6:45	3.16	1653	3.1	3.1	2.6	-4.6	1	-0.8	*	3.8	15.5	6.96
	7:00	1.92	1654	2.5	2.5	2.1	6.09	1576	4	4	3.9	15.6	6.98
	7:15	2.56	1657	2.8	2.8	2.3	-4.6	0	-0.8	*	3.9	15.5	6.98
	7:30	3.36	1657	3.2	3.2	2.6	-4.6	0	-0.8	*	3.9	15.6	6.96
	7:45	2.25	1648	2.6	2.6	2.1	-4.7	0	-0.8	*	3.4	15.6	7.04
	8:00	2.89	1650	2.9	2.9	2.5	-4.7	1	-0.8	*	3.4	15.6	6.97
	8:15	-3.9	1	-0.8	*	2.7	5.12	1652	4.1	4.1	3.4	15.6	6.95
	8:30	2.56	1654	2.8	2.8	2.3	-4.8	1	-0.8	*	3.7	15.6	6.96
	8:45	3.36	1653	3.2	3.2	2.6	-4.8	1	-0.8	*	3.7	15.5	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	1.88	1654	2.5	2.5	2.1	5.56	1649	4.3	4.3	3.6	15.5	6.97
	9:15	2.61	1653	2.8	2.8	2.3	-4.6	1	-0.8	*	3.9	15.5	7
	9:30	3.41	1647	3.2	3.2	2.7	-4.6	0	-0.8	*	3.9	15.5	6.99
	9:45	1.92	1640	2.5	2.5	2.1	-4.9	1	-0.8	*	3.9	15.5	6.98
	10:00	2.96	1655	3	3	2.4	-4.9	1	-0.8	*	3.9	15.5	7.01
	10:15	-3.9	1	-0.8	*	2.6	4.88	1652	4	4	3.3	15.5	7.03
	10:30	2.32	1652	2.7	2.7	2.2	-4.6	1	-0.8	*	3.6	15.5	7.05
	10:45	3.12	1656	3.1	3.1	2.5	-4.6	1	-0.8	*	3.6	15.5	7.02
	11:00	-3.2	1	-0.8	*	2.7	-4.6	1	-0.8	*	3.6	15.6	7
	11:15	2.69	1644	2.8	2.8	2.4	-4.8	0	-0.8	*	3.5	15.6	7.02
	11:30	3.69	1652	3.3	3.3	2.7	-4.8	0	-0.8	*	3.5	15.6	6.99
	11:45	2.03	1652	2.6	2.6	2.2	-4.8	0	-0.8	*	3.5	15.7	7.01
	12:00	2.79	1654	3	3	2.5	6.12	1652	4.6	4.6	3.8	15.7	7.02
	12:15	-4	1	-0.8	*	2.7	5.96	1650	4.5	4.5	3.8	15.7	6.99
	12:30	-4.4	1	-0.7	*	2.3	-4.6	1	-0.8	*	3.9	15.7	6.99
	12:45	2.81	1648	2.9	2.9	2.5	-4.6	1	-0.8	*	3.4	15.8	7.01
	13:00	-25	1	-12	*	2.7	3.56	1630	3.3	3.3	2.7	15.8	7
	13:15	2.16	1659	2.6	2.6	2.2	-4.8	1	-0.8	*	3.6	15.8	7.01
	13:30	2.96	1653	3	3	2.5	-4.8	1	-0.8	*	3.6	15.8	6.99
	13:45	-2.6	1	-1.3	*	2.7	5.52	1654	4.3	4.3	3.6	15.8	6.97
	14:00	2.56	1653	2.8	2.8	2.4	-4.8	1	-0.8	*	3.7	15.8	6.98
	14:15	3.36	1657	3.2	3.2	2.7	-4.8	1	-0.8	*	3.7	15.9	6.96
	14:30	2.16	1661	2.6	2.6	2.2	-4.1	1	-0.9	*	3.9	15.9	7
	14:45	-4.4	1	-0.7	*	2.3	-4.6	0	-0.8	*	3.3	15.9	7.02
	15:00	3.16	1656	3.1	3.1	2.5	-4.7	1	-0.8	*	3.4	15.8	6.98
	15:15	1.79	1657	2.5	2.5	2.1	-4.7	1	-0.8	*	3.4	15.9	6.94
	15:30	2.75	1663	3	3	2.4	-4.7	0	-0.8	*	3.4	15.9	6.97
	15:45	3.69	1547	2.8	2.8	2.7	-4.7	1	-0.8	*	3.4	15.9	6.94
	16:00	2.19	1655	2.7	2.7	2.3	5.12	1652	4.1	4.1	3.5	16	6.99
	16:15	3.16	1652	3.1	3.1	2.6	-4.8	1	-0.8	*	3.7	15.9	6.95
	16:30	1.08	1	2.3	2.3	2.6	6.32	1656	4.7	4.7	3.9	15.9	6.93
	16:45	2.61	339	2.8	2.8	2.6	4.75	1661	4	4	3.3	16	6.97
	17:00	2.21	1658	2.6	2.6	2.2	-4.9	0	-0.8	*	3.8	15.9	6.96
	17:15	2.29	1646	2.6	2.6	2.2	-4.8	1	-0.8	*	3.8	15.9	6.95
	17:30	3.09	1655	3	3	2.5	-4.8	1	-0.8	*	3.8	15.9	6.91
	17:45	-3.9	1	-0.8	*	2.7	6.32	1657	4.7	4.7	3.9	15.9	6.91

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	2.65	1658	2.8	2.8	2.3	-4.7	1	-0.8	*	4	15.9	6.93
	18:15	3.36	1651	3.2	3.2	2.6	-4.7	1	-0.8	*	4	15.9	6.91
	18:30	-4.5	1	-0.7	*	2.7	-4.6	1	-0.8	*	3.5	15.9	6.94
	18:45	2.72	1655	2.9	2.9	2.4	-4.6	1	-0.8	*	3.5	15.9	6.93
	19:00	3.56	1653	3.3	3.3	2.7	-4.6	1	-0.8	*	3.5	15.9	6.92
	19:15	2.16	1653	2.6	2.6	2.2	-4.8	1	-0.8	*	3.7	16	6.96
	19:30	2.83	1659	3	3	2.5	-4.8	1	-0.8	*	3.7	16	6.91
	19:45	-2.6	1	-1.3	*	2.8	5.96	1652	4.5	4.5	3.7	16	6.91
	20:00	2.63	1658	2.9	2.9	2.4	-4.7	1	-0.8	*	3.8	16	6.92
	20:15	3.39	1659	3.3	3.3	2.7	-4.7	1	-0.8	*	3.8	16	6.91
	20:30	1.69	1594	2.3	2.3	2.1	-16	1	-7.1	*	4	16	6.95
	20:45	3.16	1655	3.1	3.1	2.5	-4.7	0	-0.8	*	4	16	6.96
	21:00	-27	1	-13	*	2.7	4.32	1710	3.7	3.7	2.9	16	6.94
	21:15	2.56	1652	2.8	2.8	2.4	-4.8	0	-0.8	*	3.4	16	6.96
	21:30	3.36	1655	3.2	3.2	2.7	-4.8	1	-0.8	*	3.4	16	6.93
	21:45	1.96	1638	2.5	2.5	2.1	-4.8	0	-0.8	*	3.6	16.1	6.95
	22:00	2.76	1653	2.9	2.9	2.4	-4.8	1	-0.8	*	3.6	16	6.93
	22:15	4.08	1640	3.3	3.3	2.8	5.28	1640	4.2	4.2	3.5	16.1	6.91
	22:30	2.16	1652	2.6	2.6	2.2	-4.8	1	-0.8	*	3.8	16.1	6.94
	22:45	3.16	1655	3.1	3.1	2.6	-4.8	1	-0.8	*	3.8	16.1	6.91
	23:00	-3.3	1	-0.7	*	2.7	6.36	1651	4.7	4.7	3.9	16.1	6.94
	23:15	2.76	1656	2.9	2.9	2.4	-4.8	1	-0.8	*	4	16.1	6.92
	23:30	3.56	1658	3.3	3.3	2.7	-4.8	1	-0.8	*	4	16.1	6.9
	23:45	0.12	1204	1.6	1.6	2.1	1.61	1030	2.3	2.3	4.1	16.1	6.98
2/18/2014	0:00	2.96	1655	3	3	2.5	-4.7	1	-0.8	*	4.1	16.1	6.92
	0:15	4.22	1513	3	3	2.8	4.68	1659	3.9	3.9	3.3	16.1	6.9
	0:30	2.36	1654	2.7	2.7	2.3	-4.8	1	-0.8	*	3.4	16.1	6.94
	0:45	3.16	1660	3.1	3.1	2.6	-4.8	1	-0.8	*	3.4	16.1	6.92
	1:00	0.05	1163	1.5	1.5	2.8	-4.7	0	-0.8	*	3.6	16.1	6.94
	1:15	2.76	1653	2.9	2.9	2.5	-4.7	0	-0.8	*	3.6	16.1	6.91
	1:30	3.36	1654	3.2	3.2	2.8	1.21	1039	2.1	2.1	3.6	16.1	6.9
	1:45	2.36	1652	2.7	2.7	2.3	-4.7	1	-0.8	*	3.8	16.1	6.93
	2:00	3.16	1654	3.1	3.1	2.6	-4.7	1	-0.8	*	3.8	16.1	6.9
	2:15	-2.6	1	-1.3	*	2.8	5.96	1651	4.5	4.5	3.8	16.1	6.9
	2:30	0.34	1002	1.6	1.6	2.3	-4.5	1	-0.8	*	3.9	16.1	6.93
	2:45	3.12	1654	3.1	3.1	2.6	-4.5	1	-0.8	*	3.9	16.1	6.91

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	3:00	-3.4	1	-0.7	*	2.7	4.99	1663	4.1	4.1	3.4	16.1	6.96
	3:15	2.76	1653	2.9	2.9	2.4	-4.8	1	-0.8	*	3.5	16.1	6.92
	3:30	3.52	1654	3.3	3.3	2.7	-4.8	1	-0.8	*	3.5	16.1	6.9
	3:45	2.36	1655	2.7	2.7	2.3	-4.8	1	-0.8	*	3.6	16.1	6.94
	4:00	3.16	1650	3.1	3.1	2.6	-4.8	1	-0.8	*	3.6	16	6.9
	4:15	-3.9	1	-0.8	*	2.8	5.48	1651	4.3	4.3	3.6	16	6.89
	4:30	2.56	1654	2.8	2.8	2.4	-4.8	1	-0.8	*	3.8	16.1	6.91
	4:45	3.36	1652	3.2	3.2	2.7	-4.8	1	-0.8	*	3.8	16	6.89
	5:00	2.16	1653	2.6	2.6	2.2	-2.9	0	-0.8	*	3.8	16.1	6.91
	5:15	2.96	1653	3	3	2.5	-4.8	1	-0.8	*	3.8	16	6.91
	5:30	5.65	1466	3.5	3.5	2.8	4.63	1660	3.9	3.9	3.2	16	6.89
	5:45	2.56	1655	2.8	2.8	2.3	-4.8	1	-0.8	*	3.4	16	6.94
	6:00	3.36	1655	3.2	3.2	2.7	-4.8	1	-0.8	*	3.4	16	6.9
	6:15	1.96	1638	2.5	2.5	2.7	-4.8	0	-0.8	*	3.5	16	6.93
	6:30	2.76	1656	2.9	2.9	2.5	-4.8	1	-0.8	*	3.5	16	6.9
	6:45	3.87	1648	3.3	3.3	2.7	5.81	1498	4.4	4.4	3.5	15.9	6.89
	7:00	2.56	1653	2.8	2.8	2.3	-4.8	1	-0.8	*	3.8	16	6.93
	7:15	3.16	1655	3.1	3.1	2.6	-4.8	1	-0.8	*	3.8	15.9	6.89
	7:30	-2	1	-0.7	*	2.7	6.01	1644	4.5	4.5	3.8	15.9	6.91
	7:45	2.09	1544	2.5	2.5	2.2	-4.6	1	-0.8	*	3.8	15.9	6.92
	8:00	3.36	1652	3.2	3.2	2.7	-4.6	1	-0.8	*	3.8	15.9	6.9
	8:15	1.96	1624	2.5	2.5	2.7	-4.8	1	-0.8	*	3.5	15.9	6.93
	8:30	3.01	1654	3	3	2.5	-4.8	1	-0.8	*	3.5	15.8	6.91
	8:45	3.82	1650	3.3	3.3	2.7	-4.8	1	-0.8	*	3.5	15.8	6.9
	9:00	2.43	1655	2.8	2.8	2.4	-4.8	1	-0.8	*	3.5	15.9	6.96
	9:15	3.03	1652	3.1	3.1	2.6	5.32	1649	4.2	4.2	3.5	15.9	6.94
	9:30	-2.2	1	-1.1	*	2.7	-4.9	1	-0.8	*	3.5	15.9	6.9
	9:45	-4.4	1	-0.7	*	2.4	-4.6	0	-0.8	*	3.8	16	6.91
	10:00	3.38	1654	3.1	3.1	2.6	-4.6	0	-0.8	*	3.8	15.9	6.9
	10:15	2.25	1650	2.6	2.6	2.2	-4.9	1	-0.8	*	3.9	16	6.93
	10:30	2.96	1651	3	3	2.5	-4.9	1	-0.8	*	3.9	16	6.92
	10:45	-2.7	216	-0.7	*	2.7	4.88	1655	4	4	3.4	16	6.95
	11:00	2.41	1651	2.7	2.7	2.2	-4.6	0	-0.8	*	3.6	16	6.96
	11:15	3.16	1655	3.1	3.1	2.6	-4.6	1	-0.8	*	3.6	16	6.93
	11:30	-2.8	1	-0.8	*	2.7	-4.6	1	-0.8	*	3.6	16.1	6.94
	11:45	2.76	1653	2.9	2.9	2.4	-4.8	1	-0.8	*	3.6	16.1	6.96

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	3.36	1652	3.2	3.2	2.7	-4.8	0	-0.8	*	3.6	16	6.93
	12:15	2.25	1648	2.6	2.6	2.2	5.76	1650	4.4	4.4	3.7	16.1	6.97
	12:30	-4.3	1	-0.7	*	2.5	-4.5	1	-0.8	*	3.8	16.1	6.96
	12:45	3.16	1655	3.1	3.1	2.6	-4.5	1	-0.8	*	3.8	16.1	6.95
	13:00	2.36	1656	2.7	2.7	2.2	-4.8	1	-0.8	*	3.5	16.2	7.01
	13:15	2.96	1656	3	3	2.5	-4.8	1	-0.8	*	3.5	16.2	6.95
	13:30	-3.9	1	-0.8	*	2.7	-4.8	0	-0.8	*	3.5	16.3	6.95
	13:45	2.56	1650	2.8	2.8	2.4	-4.7	0	-0.8	*	3.4	16.3	7.01
	14:00	-2.7	1	-0.7	*	2.6	4.96	1648	4	4	3.4	16.4	6.98
	14:15	3.04	1810	2.8	2.8	2.3	6.92	1796	5	5	3.9	16.4	6.98
	14:30	3.24	1807	2.9	2.9	2.3	5.83	1805	4.5	4.5	3.5	16.5	7.02
	14:45	-4	1	-0.7	*	2.2	6.75	1801	5	5	3.9	16.6	7
	15:00	-4	1	-0.7	*	2.2	-4.1	0	-0.9	*	4	16.6	6.97
	15:15	-3.2	1	-0.7	*	2.1	6.39	1807	4.8	4.8	3.7	16.7	7.02
	15:30	-4.4	1	-0.7	*	2.1	-4.6	1	-0.8	*	3.9	16.7	7.02
	15:45	2.16	1646	2.6	2.6	2.2	-4.6	1	-0.8	*	3.9	16.7	7.04
	16:00	2.76	1653	2.9	2.9	2.5	-4.8	1	-0.8	*	3.9	16.8	7.04
	16:15	1.81	1654	2.4	2.4	2	-4	1	-0.9	*	3.9	16.8	7.05
	16:30	2.16	1655	2.6	2.6	2.2	-4.5	1	-0.8	*	3.9	16.8	7.03
	16:45	2.56	1655	2.8	2.8	2.4	-4.5	1	-0.8	*	3.9	16.8	7.03
	17:00	1.76	1655	2.4	2.4	2.1	-4.8	1	-0.8	*	3.4	16.8	7.07
	17:15	2.36	1653	2.7	2.7	2.3	-4.8	1	-0.8	*	3.4	16.8	7
	17:30	-3.9	1	-0.8	*	2.4	5.03	1659	4.1	4.1	3.5	16.8	7
	17:45	1.96	1650	2.5	2.5	2.1	-4.6	1	-0.8	*	3.6	16.8	7.02
	18:00	2.56	1653	2.8	2.8	2.4	-4.6	1	-0.8	*	3.6	16.7	6.99
	18:15	-4	1	-0.7	*	2.5	-4.6	193	-0.8	*	3.7	16.7	6.98
	18:30	2.36	1656	2.7	2.7	2.3	-4.6	1	-0.8	*	3.7	16.6	6.96
	18:45	2.76	1628	2.9	2.9	2.5	1.76	145	2.4	2.4	3.7	16.5	6.95
	19:00	1.96	1661	2.5	2.5	2.1	-2.7	1	-1	*	3.8	16.6	6.99
	19:15	2.36	1655	2.7	2.7	2.3	-4.6	1	-0.8	*	3.8	16.4	6.96
	19:30	3.74	1639	3	3	2.5	4.48	1643	3.8	3.8	3.2	16.3	6.94
	19:45	2.16	1658	2.6	2.6	2.2	-4.8	1	-0.8	*	3.5	16.2	6.97
	20:00	2.76	1650	2.9	2.9	2.5	-4.7	1	-0.8	*	3.5	16.1	6.94
	20:15	-5.6	1	-1.4	*	2.5	-4.6	1	-0.8	*	3.7	16.2	6.96
	20:30	2.36	1658	2.7	2.7	2.3	-4.6	1	-0.8	*	3.7	16.1	6.92
	20:45	3.16	1657	3.1	3.1	2.6	-4.6	1	-0.8	*	3.7	16	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	2.16	1657	2.6	2.6	2.2	-4.8	1	-0.8	*	3.7	16	6.94
	21:15	2.96	1652	3	3	2.5	-4.8	1	-0.8	*	3.7	16	6.89
	21:30	1.96	1650	2.5	2.5	2	6.75	1509	4.2	4.2	3.9	16	6.92
	21:45	2.32	1657	2.7	2.7	2.2	-4.6	1	-0.8	*	3.9	16	6.92
	22:00	3.12	1652	3.1	3.1	2.5	-4.6	1	-0.8	*	3.9	16	6.91
	22:15	2.16	1654	2.6	2.6	2.2	-4.7	1	-0.8	*	3.4	16.1	6.98
	22:30	2.63	1664	2.9	2.9	2.4	-4.7	1	-0.8	*	3.4	16	6.93
	22:45	-2.7	1	-0.7	*	2.6	5.28	1654	4.2	4.2	3.6	16	6.92
	23:00	2.36	1654	2.7	2.7	2.3	-4.8	1	-0.8	*	3.6	16	6.93
	23:15	2.92	1659	3	3	2.5	-4.8	1	-0.8	*	3.6	16	6.91
	23:30	1.89	1636	2.4	2.4	2.1	-4.8	467	-0.8	*	3.7	16.1	6.93
	23:45	2.52	1661	2.8	2.8	2.3	-4.9	1	-0.8	*	3.7	16.1	6.92
2/19/2014	0:00	3.68	1639	3.1	3.1	2.6	3.28	1164	3.2	3.2	3.7	16.1	6.91
	0:15	2.41	1656	2.7	2.7	2.2	-3.2	1	-0.8	*	3.9	16.1	6.96
	0:30	2.72	1662	2.9	2.9	2.4	-4.6	1	-0.8	*	3.9	16.1	6.93
	0:45	-3.9	1	-0.8	*	2.6	4.92	1656	4	4	3.3	16.1	6.94
	1:00	2.32	1659	2.7	2.7	2.3	-4.8	1	-0.8	*	3.5	16.2	6.95
	1:15	3.01	1649	3	3	2.6	-4.8	1	-0.8	*	3.5	16.2	6.92
	1:30	2.05	1656	2.5	2.5	2.1	-4.8	1	-0.8	*	3.6	16.2	6.94
	1:45	2.56	1652	2.8	2.8	2.4	-4.8	1	-0.8	*	3.6	16.2	6.93
	2:00	4.1	1638	3.2	3.2	2.7	5.08	1641	4.1	4.1	3.5	16.2	6.92
	2:15	2.32	1654	2.7	2.7	2.3	-4.8	1	-0.8	*	3.7	16.3	6.95
	2:30	2.67	1580	2.7	2.7	2.5	-1.2	1	1	1	3.7	16.3	6.92
	2:45	1.25	1	2.1	2.1	2.5	6.52	1657	4.8	4.8	4	16.3	6.93
	3:00	1.92	1649	2.5	2.5	2.1	7.13	1518	4.5	4.5	4.2	16.4	6.96
	3:15	2.41	1651	2.7	2.7	2.3	-4.6	1	-0.8	*	4.2	16.4	6.98
	3:30	3.16	1654	3.1	3.1	2.6	-4.6	1	-0.8	*	4.2	16.3	6.94
	3:45	2.16	1657	2.6	2.6	2.2	-4.8	1	-0.8	*	3.6	16.3	6.99
	4:00	2.76	1661	2.9	2.9	2.5	-4.8	1	-0.8	*	3.6	16.3	6.93
	4:15	-4	1	-0.8	*	2.7	5.45	1649	4.2	4.2	3.6	16.3	6.92
	4:30	2.36	1650	2.7	2.7	2.3	-4.9	1	-0.8	*	3.6	16.3	6.94
	4:45	3.16	1652	3.1	3.1	2.6	-4.9	1	-0.8	*	3.6	16.2	6.92
	5:00	1.96	1649	2.5	2.5	2.2	-4.9	1	-0.8	*	3.9	16.3	6.96
	5:15	2.76	1656	2.9	2.9	2.4	-4.9	1	-0.8	*	3.9	16.2	6.94
	5:30	4.94	1447	3.1	3.1	2.7	5.81	1642	4.4	4.4	3.8	16.2	6.93
	5:45	-4.4	1	-0.7	*	2.3	-4.6	1	-0.8	*	3.9	16.3	6.97

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	2.96	1657	3	3	2.5	-4.6	1	-0.8	*	3.9	16.2	6.95
	6:15	-2.6	1	-0.9	*	2.7	5.16	1653	4.1	4.1	3.4	16.3	6.99
	6:30	2.56	1656	2.8	2.8	2.4	-4.8	1	-0.8	*	3.5	16.2	6.97
	6:45	3.16	1655	3.1	3.1	2.6	-4.8	1	-0.8	*	3.5	16.2	6.95
	7:00	3.16	1876	3.1	3.1	2.3	2.51	1054	2.6	2.6	3.6	16.2	6.99
	7:15	4.36	1897	3.7	3.7	2.7	5.47	1772	4.1	4.1	3.2	16.2	6.96
	7:30	-28	1	-13	*	2.9	-4.3	1	-0.8	*	3	16.2	6.94
	7:45	3.68	1905	3.4	3.4	2.5	-4.3	1	-0.8	*	3	16.3	6.99
	8:00	4.68	1900	3.9	3.9	2.9	-4.3	1	-0.8	*	2.9	16.3	6.96
	8:15	-4.4	1	-0.7	*	2.3	4.54	1733	3.7	3.7	2.9	16.3	6.94
	8:30	2.76	1663	2.9	2.9	2.4	-4.6	1	-0.8	*	2.9	16.3	6.98
	8:45	3.36	1669	3.2	3.2	2.7	-4.6	1	-0.8	*	2.9	16.3	6.98
	9:00	2.21	1656	2.6	2.6	2.2	-4.8	1	-0.8	*	3.1	16.3	7
	9:15	2.96	1662	3	3	2.5	-4.8	1	-0.8	*	3.1	16.3	6.98
	9:30	-2.7	190	-0.7	*	2.7	-4.8	1	-0.8	*	3.1	16.4	6.97
	9:45	2.65	1659	2.8	2.8	2.4	4.52	1651	3.8	3.8	3.3	16.5	7.05
	10:00	3.16	1662	3.1	3.1	2.7	-4.8	1	-0.8	*	3.3	16.4	6.99
	10:15	2.09	1646	2.5	2.5	2.2	-4.8	1	-0.8	*	3.3	16.5	6.97
	10:30	2.96	1661	3	3	2.5	-32	1	-15	*	3.4	16.5	7.02
	10:45	4.14	1635	3.2	3.2	2.6	1.53	1	2	2	3.4	16.5	6.99
	11:00	2.52	1649	2.8	2.8	2.3	-13	1	-5	*	3.4	16.6	7.03
	11:15	2.96	1657	3	3	2.5	-4.9	1	-0.8	*	3.4	16.6	7.02
	11:30	1.96	1618	2.5	2.5	2.7	5.77	1638	4.1	4.1	3.4	16.6	7.01
	11:45	2.41	1649	2.7	2.7	2.3	-4.6	1	-0.8	*	2.9	16.6	7.05
	12:00	3.16	1652	3.1	3.1	2.7	-4.6	1	-0.8	*	2.9	16.7	7.01
	12:15	2.16	1653	2.6	2.6	2.2	-36	1	-17	*	3.1	16.7	7.05
	12:30	2.76	1653	2.9	2.9	2.5	-3	1	-0.2	*	3.1	16.7	7.02
	12:45	-14	1	-6.5	*	2.7	-4.7	1	-0.8	*	3.1	16.8	7.02
	13:00	2.36	1662	2.7	2.7	2.3	-4.8	1	-0.8	*	3.3	16.8	7.07
	13:15	3.16	1649	3.1	3.1	2.6	-4.8	1	-0.8	*	3.3	16.8	7.03
	13:30	2.09	1631	2.5	2.5	2.2	-36	1	-17	*	3.3	16.8	7.04
	13:45	3.81	1863	3.4	3.4	2.6	-5.6	1	-2.8	*	3.3	16.9	7.05
	14:00	-27	1	-14	*	2.9	-5.6	1	-2.8	*	3.3	17	7.04
	14:15	3.48	1854	3.3	3.3	2.5	-5.6	1	-2.8	*	3.3	17.1	7.07
	14:30	4.23	1849	3.7	3.7	2.8	-5.6	1	-2.8	*	3.3	17.2	7.04
	14:45	2.79	1850	3	3	2.3	-5.6	1	-2.8	*	3.3	17.3	7.04

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	3.81	1843	3.4	3.4	2.7	-5.6	1	-2.8	*	3.3	17.3	7.06
	15:15	-3.9	670	-1.3	*	2.9	-5.6	1	-2.8	*	3.3	17.3	7.04
	15:30	3.25	1842	3.1	3.1	2.5	-5.6	1	-2.8	*	3.3	17.4	7.09
	15:45	4.09	1840	3.5	3.5	2.8	-5.6	1	-2.8	*	3.3	17.3	7.05
	16:00	3.16	1886	3.1	3.1	2.9	-5.6	1	-2.8	*	3.3	17.3	7.05
	16:15	3.94	1841	3.4	3.4	2.6	-15	1	-7.5	*	3.3	17.4	7.04
	16:30	4.87	1844	3.8	3.8	2.9	-31	1	-14	*	3.3	17.4	7.04
	16:45	3.36	1847	3.2	3.2	2.5	-4.8	1	-0.8	*	3	17.3	7.11
	17:00	3.21	1661	3.1	3.1	2.6	-4.8	1	-0.8	*	3	17.3	7.05
	17:15	-2.7	1	-0.7	*	2.8	4.36	1665	3.7	3.7	3.2	17.4	7.1
	17:30	2.61	1666	2.8	2.8	2.4	-4.7	1	-0.8	*	3.2	17.3	7.06
	17:45	3.36	1668	3.2	3.2	2.7	-4.7	1	-0.8	*	3.2	17.2	7.04
	18:00	2.09	1594	2.5	2.5	2.6	-4.1	1	-0.9	*	3.3	17.3	7.04
	18:15	2.76	1662	2.9	2.9	2.5	-4.6	1	-0.8	*	3.3	17.3	7.05
	18:30	3.12	1672	3.1	3.1	2.7	-4.6	1	-0.8	*	3.3	17.2	7.04
	18:45	2.16	1662	2.6	2.6	2.3	-4.8	1	-0.8	*	3.1	17.2	7.09
	19:00	2.92	1660	3	3	2.6	-4.8	1	-0.8	*	3.1	17	7
	19:15	-4.1	1	-0.9	*	2.7	4.65	1637	3.8	3.8	3.3	17	6.98
	19:30	2.52	1667	2.8	2.8	2.4	-4.8	1	-0.8	*	3.2	16.9	6.99
	19:45	3.12	1662	3.1	3.1	2.7	-4.8	1	-0.8	*	3.2	16.9	6.97
	20:00	2.16	1664	2.6	2.6	2.2	-4.8	1	-0.8	*	3.3	16.9	6.99
	20:15	2.96	1665	3	3	2.6	-4.8	1	-0.8	*	3.3	16.9	6.98
	20:30	4.02	1509	2.9	2.9	2.8	4.61	1655	3.8	3.8	3.3	16.9	6.97
	20:45	2.65	1663	2.8	2.8	2.4	-4.7	1	-0.8	*	3.4	16.9	7.02
	21:00	3.16	1662	3.1	3.1	2.7	-4.7	1	-0.8	*	3.4	16.9	6.99
	21:15	-0.3	1093	1.4	1.4	2.8	-4.8	1	-0.8	*	3.1	16.9	7
	21:30	2.96	1678	3	3	2.5	-4.8	1	-0.8	*	3.1	16.9	7
	21:45	3.65	1668	3.3	3.3	2.9	0.32	1011	1.7	1.7	3.1	16.9	6.99
	22:00	2.56	1673	2.8	2.8	2.4	-4.6	1	-0.8	*	3.2	16.9	7.03
	22:15	3.36	1674	3.2	3.2	2.7	-4.6	1	-0.8	*	3.2	16.9	6.99
	22:30	-2.4	1	-1.2	*	2.8	4.92	1672	4	4	3.4	17	7.03
	22:45	2.96	1673	3	3	2.5	-4.8	1	-0.8	*	3.4	16.9	7.02
	23:00	3.56	1679	3.3	3.3	2.8	-4.8	1	-0.8	*	3.4	16.9	7
	23:15	2.36	1680	2.7	2.7	2.3	-4.1	1	-0.9	*	3.5	17	7.03
	23:30	3.01	1672	3	3	2.5	-4.6	1	-0.8	*	3.5	17	7.02
	23:45	-4	1	-0.8	*	2.7	5.63	1899	4.4	4.4	3.3	17	7.07

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
2/20/2014	0:00	-4	1	-0.7	*	2.4	7.01	1905	5	5	3.8	17	7.02
	0:15	-4	1	-0.7	*	2.3	-4.1	1	-0.9	*	4	17	6.99
	0:30	3.2	1818	2.9	2.9	2.2	6.49	1895	4.7	4.7	3.5	17	7.04
	0:45	-9.9	1	-4	*	2.2	7.59	1898	5.4	5.4	4	17	7
	1:00	2.08	1675	2.6	2.6	2.2	-4.1	1	-0.9	*	4	17	7.02
	1:15	2.96	1670	3	3	2.5	-4.7	1	-0.8	*	4	17	7.03
	1:30	-3.9	1	-0.8	*	2.7	4.19	1679	3.7	3.7	3.1	17	7.04
	1:45	2.36	1673	2.7	2.7	2.3	-4.7	1	-0.8	*	3.3	17	7.05
	2:00	2.96	1672	3	3	2.5	-4.7	1	-0.8	*	3.3	17	7.02
	2:15	1.92	1670	2.5	2.5	2.1	-5	1	-0.8	*	3.3	17	7.04
	2:30	2.52	1676	2.8	2.8	2.4	-5	1	-0.8	*	3.3	17	7.03
	2:45	3.91	1512	2.8	2.8	2.7	4.43	1665	3.8	3.8	3.3	17	7.02
	3:00	2.32	1673	2.7	2.7	2.3	-4.9	1	-0.8	*	3.4	17	7.04
	3:15	2.96	1675	3	3	2.6	-4.9	1	-0.8	*	3.4	17	7.02
	3:30	2.12	1542	2.6	2.6	2.7	-4.9	1	-0.8	*	3.8	17.1	7.04
	3:45	2.56	1671	2.8	2.8	2.4	-4.9	1	-0.8	*	3.8	17	7.03
	4:00	3.45	1666	3.2	3.2	2.6	4.81	1621	3.9	3.9	3.8	17	7.02
	4:15	2.36	1676	2.7	2.7	2.3	-4.6	1	-0.8	*	3.7	17	7.07
	4:30	2.63	1688	2.9	2.9	2.4	-4.1	1	-0.9	*	3.7	17	7.03
	4:45	-3.9	1	-0.8	*	2.7	3.88	1673	3.5	3.5	3.7	17	7.03
	5:00	2.36	1674	2.7	2.7	2.3	-4.7	1	-0.8	*	3.1	17	7.06
	5:15	3.16	1675	3.1	3.1	2.6	-4.7	1	-0.8	*	3.1	17	7.02
	5:30	2.01	1660	2.5	2.5	2.2	4.76	1671	3.9	3.9	3.4	17	7.05
	5:45	2.61	1675	2.8	2.8	2.4	-4.6	1	-0.8	*	3.4	17	7.04
	6:00	3.36	1673	3.2	3.2	2.7	-4.6	1	-0.8	*	3.4	17	7.02
	6:15	2.16	1675	2.6	2.6	2.2	-4.8	1	-0.8	*	3.5	17	7.08
	6:30	3.01	1678	3	3	2.5	-4.8	1	-0.8	*	3.5	17	7.01
	6:45	-4	1	-0.8	*	2.8	5.08	1678	4.1	4.1	3.5	17	7.02
	7:00	2.43	1682	2.8	2.8	2.3	-29	1	-13	*	3.6	17	7.03
	7:15	3.16	1678	3.1	3.1	2.6	-4.7	1	-0.8	*	3.6	16.9	7.02
	7:30	0.36	1348	1.7	1.7	2.8	-4.7	1041	-0.8	*	3.2	16.9	7.05
	7:45	2.76	1672	2.9	2.9	2.4	-4.8	1	-0.8	*	3.2	16.9	7.04
	8:00	3.45	1668	3.2	3.2	2.7	1.61	1205	2.3	2.3	3.2	16.8	7.02
	8:15	-4.4	1	-0.7	*	2.2	-4.6	1	-0.8	*	3.5	16.8	7.07
	8:30	2.83	1673	3	3	2.5	-4.6	1	-0.8	*	3.5	16.7	7.06
	8:45	-3.7	1	-0.7	*	2.7	5.16	1670	4.1	4.1	3.5	16.7	7.06

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	2.94	1676	2.9	2.9	2.4	-4.8	1	-0.8	*	3.6	16.7	7.07
	9:15	3.61	1677	3.3	3.3	2.7	-4.8	1	-0.8	*	3.6	16.7	7.05
	9:30	2.21	1668	2.6	2.6	2.2	-4.7	1	-0.8	*	3.7	16.7	7.07
	9:45	2.96	1670	3	3	2.5	-4.7	0	-0.8	*	3.7	16.6	7.07
	10:00	-3.9	737	-1.3	*	2.8	1.28	544	2.2	2.2	3.7	16.6	7.08
	10:15	-5.4	910	-1.2	*	2.4	-4.6	1	-0.8	*	3.7	16.7	7.12
	10:30	3.12	1677	3.1	3.1	2.6	-4.7	1	-0.8	*	3.7	16.7	7.11
	10:45	-2.6	1	-1.3	*	2.8	4.23	1671	3.7	3.7	3.1	16.7	7.1
	11:00	2.61	1666	2.8	2.8	2.3	5.01	1666	4	4	3.4	16.7	7.14
	11:15	2.96	1672	3	3	2.5	-4.6	1	-0.8	*	3.4	16.7	7.1
	11:30	-2.6	1	-1.1	*	2.8	5.28	1675	4.2	4.2	3.5	16.7	7.1
	11:45	2.52	1672	2.8	2.8	2.4	-4.7	1	-0.8	*	3.6	16.7	7.12
	12:00	3.21	1672	3.1	3.1	2.7	-4.7	1	-0.8	*	3.6	16.7	7.1
	12:15	1.17	1	2.3	2.3	2.8	-4.7	1	-0.8	*	3.6	16.7	7.1
	12:30	3.41	622	3.2	3.2	7.4	6.29	1624	4.1	4.1	3.8	16.7	7.12
	12:45	2.61	1663	2.8	2.8	2.3	-4.6	1	-0.8	*	3.8	16.8	7.12
	13:00	3.16	1665	3.1	3.1	2.7	-4.6	1	-0.8	*	3.8	16.7	7.13
	13:15	2.21	1659	2.6	2.6	2.2	-4.9	1	-0.8	*	3.3	16.8	7.16
	13:30	2.92	1667	3	3	2.5	-4.9	1	-0.8	*	3.3	16.8	7.14
	13:45	5.45	1471	3.4	3.4	2.7	4.61	1643	3.8	3.8	3.3	16.8	7.12
	14:00	2.56	1663	2.8	2.8	2.4	-4.9	1	-0.8	*	3.4	16.8	7.15
	14:15	3.16	1666	3.1	3.1	2.6	-4.9	1	-0.8	*	3.4	16.8	7.12
	14:30	1.96	1629	2.5	2.5	2.8	5.41	1659	4.2	4.2	3.6	16.9	7.15
	14:45	2.56	1665	2.8	2.8	2.4	-4.6	1	-0.8	*	3.6	16.9	7.14
	15:00	3.41	1664	3.2	3.2	2.7	-4.6	1	-0.8	*	3.6	16.8	7.12
	15:15	2.34	1661	2.6	2.6	2.2	5.82	1519	3.8	3.8	3.6	16.9	7.13
	15:30	2.96	1670	3	3	2.6	-4.7	1	-0.8	*	3.6	16.8	7.11
	15:45	-2.7	1	-0.7	*	2.8	-4.7	1	-0.8	*	3.6	16.8	7.08
	16:00	2.56	1663	2.8	2.8	2.4	-4.9	1	-0.8	*	3.2	16.9	7.14
	16:15	3.16	1661	3.1	3.1	2.7	-4.9	1	-0.8	*	3.2	16.8	7.09
	16:30	2.36	1665	2.7	2.7	2.3	-4.8	1	-0.8	*	3.5	16.8	7.09
	16:45	2.96	1663	3	3	2.5	-4.8	1	-0.8	*	3.5	16.8	7.07
	17:00	4.11	1509	2.9	2.9	2.8	5.05	1645	4	4	3.4	16.8	7.08
	17:15	2.56	1661	2.8	2.8	2.4	-4.7	1	-0.8	*	3.5	16.8	7.1
	17:30	3.36	1662	3.2	3.2	2.7	-4.7	1	-0.8	*	3.5	16.8	7.07
	17:45	0.85	1362	1.9	1.9	2.8	-4.6	1	-0.8	*	3.7	16.8	7.09

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	2.96	1664	3	3	2.5	-4.6	1	-0.8	*	3.7	16.7	7.08
	18:15	3.61	1664	3.3	3.3	2.8	2.45	1229	2.7	2.7	3.7	16.8	7.06
	18:30	2.41	1661	2.7	2.7	2.3	-2.6	1	-1.3	*	3.8	16.8	7.09
	18:45	2.96	1663	3	3	2.6	-4.5	1	-0.8	*	3.8	16.8	7.06
	19:00	3.87	1655	3.3	3.3	2.8	3.79	1638	3.5	3.5	3.8	16.9	7.05
	19:15	2.36	1664	2.7	2.7	2.3	-4.6	1	-0.8	*	3.3	16.9	7.08
	19:30	3.21	1665	3.1	3.1	2.7	-4.6	1	-0.8	*	3.3	16.9	7.03
	19:45	-2.5	1	-0.7	*	2.8	4.96	1663	4	4	3.4	16.9	7.04
	20:00	2.76	1665	2.9	2.9	2.5	-4.8	1	-0.8	*	3.4	16.9	7.03
	20:15	3.56	1660	3.3	3.3	2.8	-4.8	1	-0.8	*	3.4	16.9	7.02
	20:30	2.36	1665	2.7	2.7	2.3	-4.6	1	-0.8	*	3.6	17	7.06
	20:45	3.16	1663	3.1	3.1	2.6	-4.6	1	-0.8	*	3.6	17	7.01
	21:00	-3.9	1	-0.8	*	2.8	4.96	1650	4	4	3.5	17	7
	21:15	2.85	1660	2.9	2.9	2.5	-4.6	1	-0.8	*	3.6	17	7.04
	21:30	3.36	1665	3.2	3.2	2.7	-4.6	1	-0.8	*	3.6	17	7.01
	21:45	2.16	1667	2.6	2.6	2.2	-4.8	1	-0.8	*	3.2	17	7.03
	22:00	2.96	1662	3	3	2.6	-4.8	1	-0.8	*	3.2	17	7.02
	22:15	4.52	1491	3	3	2.9	4.28	1644	3.7	3.7	3.2	17	7.01
	22:30	2.76	1664	2.9	2.9	2.4	-4.7	1	-0.8	*	3.3	17	7.03
	22:45	3.41	1664	3.2	3.2	2.7	-4.7	1	-0.8	*	3.3	17	7
	23:00	1.96	1625	2.5	2.5	2.8	-4.8	1	-0.8	*	3.6	17.1	7.05
	23:15	2.96	1660	3	3	2.6	-4.8	1	-0.8	*	3.6	17	7.01
	23:30	3.87	1656	3.3	3.3	2.8	-4.8	1	-0.8	*	3.6	17	7.01
	23:45	2.65	1658	2.8	2.8	2.4	-4.8	1	-0.8	*	3.5	17.1	7.04
2/21/2014	0:00	3.29	1654	3.1	3.1	2.7	-4.8	1	-0.8	*	3.5	17.1	7
	0:15	-2	1	-0.6	*	2.8	5.72	1665	4.4	4.4	3.7	17.1	7.02
	0:30	2.96	1669	3	3	2.6	-4.7	1	-0.8	*	3.7	17.1	7.02
	0:45	3.56	1663	3.3	3.3	2.8	-4.7	1	-0.8	*	3.7	17.1	6.99
	1:00	2.36	1661	2.7	2.7	2.3	-4.8	1	-0.8	*	3.2	17.1	7.06
	1:15	3.16	1660	3.1	3.1	2.7	-4.8	1	-0.8	*	3.2	17.1	7.01
	1:30	-3.9	1	-0.8	*	2.9	4.52	1664	3.8	3.8	3.3	17.1	7
	1:45	2.76	1671	2.9	2.9	2.5	-4.8	1	-0.8	*	3.2	17	7.01
	2:00	3.36	1666	3.2	3.2	2.8	-4.8	1	-0.8	*	3.2	17	6.99
	2:15	2.28	1664	2.7	2.7	2.3	-4.9	0	-0.8	*	3.5	17.1	7.05
	2:30	3.05	1657	3	3	2.6	-4.9	1	-0.8	*	3.5	17	7.01
	2:45	4.39	1509	3	3	2.9	4.76	1647	3.9	3.9	3.4	17	6.99

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	2.56	1658	2.8	2.8	2.5	-4.6	1	-0.8	*	3.6	17	7
	3:15	3.65	1661	3.3	3.3	2.8	-4.6	1	-0.8	*	3.6	17	6.98
	3:30	1.83	1433	2.5	2.5	2.9	6.07	1648	4.4	4.4	3.7	17	7.01
	3:45	2.48	1672	2.8	2.8	2.4	-4.6	1	-0.8	*	3.7	17	7
	4:00	3.43	1662	3.3	3.3	2.8	-4.6	1	-0.8	*	3.7	17	6.99
	4:15	2.12	1661	2.6	2.6	2.3	-4.8	1	-0.8	*	3.4	17	7.03
	4:30	3.12	1668	3.1	3.1	2.6	-4.8	1	-0.8	*	3.4	17	7
	4:45	4.33	1516	3.1	3.1	2.9	4.56	1653	3.8	3.8	3.2	17	6.99
	5:00	2.76	1662	2.9	2.9	2.5	-4.8	1	-0.8	*	3.5	16.9	7.01
	5:15	3.52	1669	3.3	3.3	2.7	-4.8	1	-0.8	*	3.5	16.9	6.98
	5:30	0.83	1303	2	2	2.9	-4.8	1	-0.8	*	3.5	16.9	7.01
	5:45	3.12	1670	3.1	3.1	2.6	-4.8	1	-0.8	*	3.5	16.9	6.99
	6:00	3.81	1663	3.4	3.4	2.9	-4.8	1	-0.8	*	3.5	16.9	6.98
	6:15	2.63	1672	2.9	2.9	2.5	-2.1	1	-0.9	*	3.7	16.9	7.04
	6:30	3.36	1666	3.2	3.2	2.7	-4.7	1	-0.8	*	3.7	16.9	6.99
	6:45	-2.2	1	-1.1	*	2.9	4.56	1662	3.8	3.8	3.2	16.8	7
	7:00	2.96	1661	3	3	2.5	-4.8	1	-0.8	*	3.2	16.8	7.02
	7:15	3.72	1669	3.4	3.4	2.9	-4.8	1	-0.8	*	3.2	16.8	7
	7:30	2.56	1658	2.8	2.8	2.4	-4.8	1	-0.8	*	3.5	16.8	7.05
	7:45	3.36	1661	3.2	3.2	2.7	-4.8	1	-0.8	*	3.5	16.8	7
	8:00	-3.9	1	-0.8	*	2.9	5.21	1665	4.1	4.1	3.5	16.8	6.99
	8:15	2.96	1670	3	3	2.5	-36	1	-17	*	3.6	16.7	7.02
	8:30	3.56	1667	3.3	3.3	2.8	-5.6	1	-2.8	*	3.6	16.7	6.99
	8:45	3.32	1856	3.2	3.2	2.4	-5.6	1	-2.8	*	3.6	16.7	7.01
	9:00	4.19	1853	3.7	3.7	2.8	-5.6	1	-2.8	*	3.6	16.7	7.02
	9:15	-2.5	137	-0.7	*	3.2	-5.6	1	-2.8	*	3.6	16.7	6.99
	9:30	4.34	1891	3.6	3.6	2.7	-5.6	1	-2.8	*	3.6	16.7	7.02
	9:45	5.09	1891	4	4	3	-3.6	1	-0.8	*	3.6	16.7	7
	10:00	3.94	1884	3.4	3.4	2.5	-3.6	1	-0.8	*	3.6	16.8	7.05
	10:15	4.65	1895	3.8	3.8	2.9	-5.6	1	-2.8	*	3.6	16.7	7.01
	10:30	-4.2	1	-0.8	*	3.1	-5.6	1	-2.8	*	3.6	16.7	7
	10:45	4.52	1909	3.8	3.8	2.8	-15	1	-7.1	*	3.6	16.7	7.04
	11:00	5.56	1898	4.3	4.3	3.2	-34	1	-16	*	3.6	16.7	7.04
	11:15	3.72	1847	3.4	3.4	2.6	-5.2	1	-2.6	*	3.6	16.7	7.09
	11:30	4.76	1849	3.9	3.9	3	-5.6	1	-2.8	*	3.6	16.7	7.06
	11:45	1.43	1442	2.3	2.3	3.2	-5	1	-1.8	*	3.6	16.7	7.06

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	3.56	1701	3.3	3.3	2.7	-34	1	-16	*	3.6	16.7	7.11
	12:15	4.01	1652	3.5	3.5	3	-4.5	1	-1	*	3.6	16.7	7.08
	12:30	2.83	1662	3	3	2.5	-4.9	1	-1.2	*	3.6	16.7	7.11
	12:45	4.43	1856	3.8	3.8	2.9	-4.9	1	-1.2	*	3.6	16.7	7.09
	13:00	3.39	1854	3.3	3.3	2.5	-4.9	1	-1.2	*	3.6	16.8	7.07
	13:15	4.36	1850	3.7	3.7	2.8	2.98	1189	2.9	2.9	3.6	16.8	7.07
	13:30	3.68	1783	3.1	3.1	2.4	-2.6	1	-1.3	*	3.4	16.8	7.08
	13:45	3.48	1794	3	3	2.3	6.36	1839	4.7	4.7	3.6	16.8	7.09
	14:00	3.48	1791	3	3	2.4	7.85	1898	5.4	5.4	4	16.8	7.07
	14:15	3.28	1799	2.9	2.9	2.3	6.45	1891	4.7	4.7	3.5	16.8	7.08
	14:30	-3.9	1	-0.7	*	2.4	7.99	1954	5.6	5.6	4	16.8	7.06
	14:45	2.89	1820	2.9	2.9	2.4	4.48	1663	3.8	3.8	3.2	16.8	7.03
	15:00	-4.3	1	-0.7	*	2.4	5.52	1663	4.3	4.3	3.6	16.7	7.07
	15:15	2.01	1592	2.5	2.5	2.2	7.12	1643	4.6	4.6	3.9	16.8	7.1
	15:30	2.56	1663	2.8	2.8	2.4	-4.6	1	-0.8	*	3.9	16.7	7.09
	15:45	3.36	1669	3.2	3.2	2.7	-4.7	1	-0.8	*	3.2	16.7	7.1
	16:00	2.25	1658	2.6	2.6	2.2	-5.1	1	-0.8	*	3.2	16.8	7.11
	16:15	2.96	1668	3	3	2.5	-5.1	1	-0.8	*	3.2	16.7	7.09
	16:30	-3.9	1	-0.8	*	2.7	5.01	1662	4	4	3.4	16.8	7.09
	16:45	2.52	1663	2.8	2.8	2.3	-4.9	1	-0.8	*	3.5	16.7	7.08
	17:00	3.12	1664	3.1	3.1	2.6	-4.9	1	-0.8	*	3.5	16.7	7.06
	17:15	2.21	1661	2.6	2.6	2.2	-4.8	1	-0.8	*	3.6	16.7	7.09
	17:30	2.92	1669	3	3	2.5	-4.8	1	-0.8	*	3.6	16.7	7.06
	17:45	-2.7	1	-0.7	*	2.7	4.88	1631	4	4	3.5	16.6	7.05
	18:00	3.96	1892	3.5	3.5	2.6	-4.7	1	-0.8	*	3.7	16.6	7.06
	18:15	4.56	1901	3.8	3.8	2.9	-4.7	1	-0.8	*	3.7	16.6	7.04
	18:30	3.36	1914	3.2	3.2	2.3	6.54	1644	4.4	4.4	3.7	16.6	7.05
	18:45	3.76	1859	3.4	3.4	2.6	-4.6	1	-0.8	*	3.7	16.6	7.06
	19:00	4.56	1853	3.8	3.8	2.9	-4.6	1	-0.8	*	3.7	16.5	7.04
	19:15	3.36	1850	3.2	3.2	2.4	-4.8	1	-0.8	*	3.3	16.5	7.1
	19:30	4.36	1846	3.7	3.7	2.8	-4.8	1	-0.8	*	3.3	16.4	7.04
	19:45	-3.9	1	-0.8	*	3	4.59	1642	3.9	3.9	3.3	16.4	7.03
	20:00	3.85	1852	3.4	3.4	2.6	-4.8	1	-0.8	*	3.5	16.4	7.04
	20:15	4.85	1845	3.9	3.9	3	-4.8	1	-0.8	*	3.5	16.4	7.02
	20:30	3.16	1855	3.1	3.1	2.4	-4.9	1	-0.8	*	3.4	16.4	7.06
	20:45	4.56	1852	3.8	3.8	2.8	-4.9	1	-0.8	*	3.4	16.4	7.05

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	4.99	1522	3.3	3.3	3.1	2.52	1289	2.8	2.8	3.4	16.4	7.03
	21:15	3.85	1851	3.4	3.4	2.6	-4.7	1	-0.8	*	3.5	16.4	7.04
	21:30	4.85	1850	3.9	3.9	3	-4.7	1	-0.8	*	3.5	16.4	7.02
	21:45	-31	1	-14	*	3.1	7.56	1900	5.3	5.3	3.9	16.4	7.02
	22:00	2.41	1706	2.7	2.7	2.2	-29	1	-14	*	3.9	16.4	7.07
	22:15	4.16	1846	3.6	3.6	2.7	-4.6	1	-0.8	*	3.9	16.4	7.05
	22:30	4.96	1845	4	4	3.1	-4.6	1	-0.8	*	3.9	16.4	7.03
	22:45	3.56	1845	3.3	3.3	2.5	-4.6	1	-0.8	*	3.4	16.4	7.07
	23:00	4.56	1849	3.8	3.8	2.9	-4.6	1	-0.8	*	3.4	16.4	7.03
	23:15	-2.5	1	-1.1	*	3.1	4.96	1661	4	4	3.4	16.4	7.03
	23:30	4.25	1842	3.6	3.6	2.7	-4.7	1	-0.8	*	3.5	16.4	7.05
	23:45	3.96	1669	3.5	3.5	3	-4.7	1	-0.8	*	3.5	16.4	7.03
2/22/2014	0:00	2.56	1662	2.8	2.8	2.4	-4.9	1	-0.8	*	3.5	16.4	7.07
	0:15	3.36	1664	3.2	3.2	2.7	-4.9	1	-0.8	*	3.5	16.4	7.04
	0:30	-2.7	1	-0.7	*	3	5.65	1660	4.3	4.3	3.6	16.4	7.02
	0:45	2.76	1666	2.9	2.9	2.5	-4.8	1	-0.8	*	3.7	16.4	7.04
	1:00	3.76	1666	3.4	3.4	2.8	-4.8	1	-0.8	*	3.7	16.4	7.02
	1:15	2.36	1643	2.7	2.7	2.3	6.94	1650	4.6	4.6	3.8	16.4	7.05
	1:30	2.92	1657	3	3	2.5	-4.5	1	-0.8	*	3.8	16.4	7.06
	1:45	3.76	1663	3.4	3.4	2.8	-4.5	1	-0.8	*	3.8	16.4	7.05
	2:00	2.52	1662	2.8	2.8	2.3	-4.9	1	-0.8	*	3.4	16.4	7.06
	2:15	3.49	1657	3.2	3.2	2.7	-4.9	1	-0.8	*	3.4	16.4	7.04
	2:30	6.7	1463	4	4	2.9	4.9	1669	4.1	4.1	3.4	16.4	7.04
	2:45	2.96	1659	3	3	2.5	-4.9	1	-0.8	*	3.6	16.4	7.05
	3:00	3.76	1667	3.4	3.4	2.9	-4.9	1	-0.8	*	3.6	16.4	7.02
	3:15	2.36	1644	2.7	2.7	3	-4.9	1	-0.8	*	3.7	16.4	7.04
	3:30	3.36	1665	3.2	3.2	2.7	-4.9	1	-0.8	*	3.7	16.4	7.03
	3:45	4.44	1656	3.5	3.5	3	4.81	1555	3.9	3.9	3.7	16.4	7.02
	4:00	2.81	1663	2.9	2.9	2.5	-4.9	1	-0.8	*	3.9	16.4	7.06
	4:15	3.52	1669	3.3	3.3	2.8	-4.9	1	-0.8	*	3.9	16.3	7.02
	4:30	-3.5	1	-0.8	*	3	6.32	1667	4.7	4.7	4	16.4	7.04
	4:45	3.36	1668	3.2	3.2	2.6	-4.7	1	-0.8	*	3.9	16.4	7.05
	5:00	4.16	1664	3.6	3.6	3	-4.7	1	-0.8	*	3.9	16.3	7.02
	5:15	2.94	1657	2.9	2.9	2.4	-4.9	1	-0.8	*	3.3	16.4	7.09
	5:30	3.61	1661	3.3	3.3	2.8	-4.9	1	-0.8	*	3.3	16.3	7.04
	5:45	-3.7	1	-0.7	*	3	5.25	1655	4.1	4.1	3.5	16.4	7.06

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	3.12	1671	3.1	3.1	2.6	-4.9	1	-0.8	*	3.5	16.3	7.03
	6:15	4.21	1664	3.6	3.6	2.9	-4.9	1	-0.8	*	3.5	16.3	7
	6:30	2.81	1662	2.9	2.9	2.4	-4.8	1	-0.8	*	3.8	16.4	7.04
	6:45	3.56	1665	3.3	3.3	2.8	-4.8	1	-0.8	*	3.8	16.3	7.01
	7:00	-2.7	1	-0.7	*	3	5.68	1660	4.4	4.4	3.7	16.3	7.01
	7:15	2.96	1666	3	3	2.5	-4.8	1	-0.8	*	3.9	16.3	7.03
	7:30	3.92	1665	3.5	3.5	2.9	-4.8	1	-0.8	*	3.9	16.3	7.01
	7:45	2.61	1653	2.8	2.8	2.4	7.56	1647	4.8	4.8	3.9	16.3	7.04
	8:00	3.21	1664	3.1	3.1	2.6	-4.6	1	-0.8	*	3.9	16.3	7.03
	8:15	3.96	1666	3.5	3.5	2.9	-4.6	1	-0.8	*	3.9	16.3	7.03
	8:30	2.89	1654	2.9	2.9	2.4	5.08	1662	4.1	4.1	3.4	16.3	7.1
	8:45	3.56	1661	3.3	3.3	2.8	-4.8	1	-0.8	*	3.5	16.3	7.05
	9:00	-2.7	1	-0.7	*	3.1	-4.8	1	-0.8	*	3.5	16.3	7.03
	9:15	2.48	1644	2.8	2.8	2.4	-4.6	1	-0.8	*	3.7	16.3	7.07
	9:30	3.76	1668	3.4	3.4	2.8	-4.6	1	-0.8	*	3.7	16.2	7.05
	9:45	-2.4	1	-1.2	*	3	5.92	1665	4.5	4.5	3.8	16.3	7.05
	10:00	3.16	1662	3.1	3.1	2.7	-4.8	1	-0.8	*	3.9	16.3	7.04
	10:15	3.96	1664	3.5	3.5	2.9	-4.8	1	-0.8	*	3.9	16.3	7.03
	10:30	2.76	1664	2.9	2.9	2.5	-4.1	1	-0.9	*	4	16.3	7.06
	10:45	3.16	1658	3.1	3.1	2.7	-4.5	1	-0.8	*	4	16.4	7.06
	11:00	3.96	1664	3.5	3.5	3	-4.5	1	-0.8	*	4	16.4	7.05
	11:15	2.85	1650	2.9	2.9	2.5	4.55	1665	3.9	3.9	3.3	16.5	7.1
	11:30	3.36	1664	3.2	3.2	2.7	-4.6	1	-0.8	*	3.6	16.5	7.06
	11:45	4.77	1657	3.6	3.6	3	-4.6	1	-0.8	*	3.6	16.5	7.02
	12:00	3.09	1663	3	3	2.5	-4.7	1	-0.8	*	3.6	16.5	7.05
	12:15	3.85	1663	3.4	3.4	2.9	-4.7	1	-0.8	*	3.6	16.6	7.03
	12:30	-2.8	1	-0.7	*	3	-4.7	1	-0.8	*	3.6	16.6	7.01
	12:45	3.08	1661	3.1	3.1	2.6	5.72	1665	4.4	4.4	3.7	16.7	7.06
	13:00	4.05	1656	3.5	3.5	2.9	-4.8	1	-0.8	*	3.8	16.7	7.02
	13:15	2.76	1666	2.9	2.9	2.5	-4.1	1	-0.9	*	3.9	16.8	7.03
	13:30	3.12	1667	3.1	3.1	2.7	-4.6	1	-0.8	*	3.9	16.9	7.03
	13:45	4.44	1650	3.5	3.5	3	2.01	1251	2.5	2.5	3.9	17	7.03
	14:00	2.38	1487	2.6	2.6	2.4	-4.6	1	-0.8	*	3.5	17.1	7.07
	14:15	3.36	1664	3.2	3.2	2.7	-4.6	1	-0.8	*	3.5	17.1	7.04
	14:30	-12	1	-5	*	3	5.32	1662	4.2	4.2	3.7	17.2	7.06
	14:45	2.76	1664	2.9	2.9	2.5	-4.6	1	-0.8	*	3.7	17.2	7.06

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	3.52	1671	3.3	3.3	2.8	-4.6	1	-0.8	*	3.7	17.1	7.02
	15:15	-2	1	-0.9	*	3	5.76	1663	4.4	4.4	3.7	17.1	7.01
	15:30	-4.4	1	-0.7	*	2.6	-4.6	1	-0.8	*	3.8	17.3	7.05
	15:45	3.52	1667	3.3	3.3	2.8	-4.6	1	-0.8	*	3.8	17.4	7.03
	16:00	2.45	1640	2.7	2.7	3	-4.7	1	-0.8	*	3.4	17.3	7.04
	16:15	3.12	1661	3.1	3.1	2.7	-4.7	1	-0.8	*	3.4	17.2	7.02
	16:30	4.2	1650	3.4	3.4	3	2.01	1200	2.5	2.5	3.4	17.3	7.01
	16:45	2.76	1662	2.9	2.9	2.5	-4.8	1	-0.8	*	3.7	17.3	7.03
	17:00	3.56	1662	3.3	3.3	2.9	-4.8	1	-0.8	*	3.7	17.2	6.99
	17:15	-2.7	1	-0.7	*	2.9	5.72	1659	4.4	4.4	3.8	17.1	7.01
	17:30	3.16	1666	3.1	3.1	2.6	-4.8	1	-0.8	*	3.8	17	7.01
	17:45	3.96	1664	3.5	3.5	3	-4.8	1	-0.8	*	3.8	17	7.01
	18:00	2.89	1662	2.9	2.9	2.5	-2.9	1	-0.8	*	3.8	17	7.06
	18:15	3.32	1666	3.2	3.2	2.7	-4.6	1	-0.8	*	3.8	16.8	7.07
	18:30	4.94	1651	3.6	3.6	3	-4.6	1	-0.8	*	3.8	16.7	7.02
	18:45	2.96	1666	3	3	2.6	-4.8	1	-0.8	*	3.4	16.7	7.03
	19:00	3.79	1678	3.5	3.5	2.9	-4.8	1	-0.8	*	3.4	16.6	6.98
	19:15	-4	1	-0.8	*	3.1	-4.7	1	-0.8	*	3.7	16.7	7.02
	19:30	3.49	1665	3.2	3.2	2.8	-4.7	1	-0.8	*	3.7	16.6	6.99
	19:45	4.08	1659	3.6	3.6	3.1	2.01	1181	2.5	2.5	3.7	16.5	6.98
	20:00	2.68	1667	2.9	2.9	2.5	-4.8	1	-0.8	*	3.7	16.6	7.02
	20:15	3.76	1665	3.4	3.4	2.9	-4.8	1	-0.8	*	3.7	16.5	6.97
	20:30	-3.9	1	-0.8	*	3.1	5.76	1656	4.4	4.4	3.8	16.5	6.98
	20:45	3.36	1662	3.2	3.2	2.6	-4.8	1	-0.8	*	3.9	16.6	7.01
	21:00	4.36	1667	3.7	3.7	3.1	-4.8	1	-0.8	*	3.9	16.6	6.98
	21:15	2.68	1662	2.9	2.9	2.5	-4.7	1	-0.8	*	3.4	16.6	7.03
	21:30	3.76	1666	3.4	3.4	2.9	-4.7	1	-0.8	*	3.4	16.6	7.02
	21:45	5.02	1519	3.4	3.4	3.1	4.96	1642	4	4	3.4	16.6	7
	22:00	3.21	1662	3.1	3.1	2.6	-4.8	1	-0.8	*	3.5	16.6	7.03
	22:15	4.16	1662	3.6	3.6	3	-4.8	1	-0.8	*	3.5	16.6	7.01
	22:30	0.68	1252	1.9	1.9	3.1	-5	1	-0.8	*	3.7	16.7	7.04
	22:45	3.52	1665	3.3	3.3	2.8	-5	1	-0.8	*	3.7	16.7	7.03
	23:00	4.56	1663	3.8	3.8	3.2	-5	1	-0.8	*	3.7	16.7	7.01
	23:15	3.09	1654	3	3	2.6	6.9	1648	4.6	4.6	3.8	16.7	7.05
	23:30	-2.6	1	-0.8	*	2.8	5.56	1757	4.3	4.3	3.4	16.8	7.06
	23:45	-4	1	-0.7	*	2.5	6.72	1762	4.9	4.9	3.9	16.7	7.04

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
2/23/2014	0:00	-4	1	-0.7	*	2.5	-12	1	-4.7	*	4.3	16.7	7.03
	0:15	3.6	1792	3.1	3.1	2.4	7.1	1902	5.2	5.2	3.9	16.8	7.08
	0:30	-24	1	-11	*	2.5	9.05	1894	6	6	4.4	16.8	7.03
	0:45	2.56	1662	2.8	2.8	2.4	-4.8	1	-0.8	*	4.6	16.8	7.07
	1:00	3.56	1664	3.3	3.3	2.8	-4.8	1	-0.8	*	4.6	16.8	7.05
	1:15	-3.9	1	-0.8	*	3	5.25	1669	4.1	4.1	3.5	16.8	7.1
	1:30	2.76	1665	2.9	2.9	2.5	-4.8	1	-0.8	*	3.6	16.8	7.07
	1:45	3.76	1658	3.4	3.4	2.9	-4.8	1	-0.8	*	3.6	16.8	7.05
	2:00	2.41	1666	2.7	2.7	2.3	-4.7	1	-0.8	*	3.9	16.8	7.08
	2:15	3.36	1663	3.2	3.2	2.7	-4.7	1	-0.8	*	3.9	16.8	7.05
	2:30	4.84	1498	3.2	3.2	3	6.96	1849	5	5	3.9	16.8	7.04
	2:45	2.76	1663	2.9	2.9	2.5	-4.7	1	-0.8	*	4.1	16.8	7.07
	3:00	3.76	1665	3.4	3.4	2.8	-4.7	1	-0.8	*	4.1	16.8	7.05
	3:15	0.92	1365	2	2	3	-4.8	1	-0.8	*	4	16.8	7.06
	3:30	3.16	1664	3.1	3.1	2.7	-4.8	1	-0.8	*	4	16.8	7.06
	3:45	4.09	1665	3.5	3.5	3	-4.8	1	-0.8	*	4	16.8	7.04
	4:00	2.81	1661	2.9	2.9	2.5	-2.6	1	-0.8	*	4.2	16.9	7.11
	4:15	3.76	1662	3.4	3.4	2.8	-4.6	1	-0.8	*	4.2	16.8	7.05
	4:30	-2.1	1	-1	*	3	5.72	1761	4.4	4.4	3.5	16.8	7.07
	4:45	3.16	1666	3.1	3.1	2.6	-4.7	1	-0.8	*	3.6	16.8	7.06
	5:00	3.96	1666	3.5	3.5	3	-4.7	1	-0.8	*	3.6	16.7	7.04
	5:15	2.76	1665	2.9	2.9	2.4	-4.8	1	-0.8	*	3.7	16.8	7.11
	5:30	3.56	1664	3.3	3.3	2.8	-4.8	1	-0.8	*	3.7	16.7	7.04
	5:45	-3.9	1	-0.8	*	3.1	5.52	1664	4.3	4.3	3.7	16.7	7.04
	6:00	3.16	1661	3.1	3.1	2.6	-4.8	1	-0.8	*	3.9	16.7	7.05
	6:15	3.92	1662	3.5	3.5	3	-4.8	1	-0.8	*	3.9	16.7	7.03
	6:30	2.56	1664	2.8	2.8	2.4	-4.8	1	-0.8	*	4	16.7	7.05
	6:45	3.36	1663	3.2	3.2	2.8	-4.8	1	-0.8	*	4	16.6	7.03
	7:00	4.53	1528	3.2	3.2	3	5.61	1588	4.3	4.3	4	16.7	7.03
	7:15	3.11	1597	2.9	2.9	2.6	-4.6	1	-0.8	*	4.1	16.7	7.07
	7:30	2.68	1630	2.9	2.9	2.5	5.56	1656	4.3	4.3	3.7	16.7	7.06
	7:45	2.61	1665	2.8	2.8	2.4	-4.7	1	-0.8	*	3.8	16.7	7.1
	8:00	3.36	1665	3.2	3.2	2.7	-4.7	1	-0.8	*	3.8	16.6	7.04
	8:15	-3.9	1	-0.8	*	3	5.92	1675	4.5	4.5	3.8	16.6	7.05
	8:30	2.81	1667	2.9	2.9	2.5	-4.6	1	-0.8	*	4	16.6	7.11
	8:45	3.76	1663	3.4	3.4	2.9	-4.6	1	-0.8	*	4	16.6	7.07

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	-2.4	1	-1.2	*	3.1	6.08	1654	4.6	4.6	3.9	16.6	7.07
	9:15	3.16	1662	3.1	3.1	2.7	-4.9	1	-0.8	*	4	16.6	7.09
	9:30	4.16	1668	3.6	3.6	3.1	-4.9	1	-0.8	*	4	16.5	7.06
	9:45	-4.4	1	-0.7	*	2.4	-4.6	1	-0.8	*	3.7	16.6	7.11
	10:00	3.16	1659	3.1	3.1	2.7	-4.6	1	-0.8	*	3.7	16.6	7.08
	10:15	4.35	1647	3.5	3.5	3.1	-2.6	1	0.2	0.2	3.7	16.6	7.01
	10:30	2.92	1666	3	3	2.5	-4.8	1	-0.8	*	3.9	16.5	7.02
	10:45	3.76	1662	3.4	3.4	2.9	-4.8	1	-0.8	*	3.9	16.5	6.99
	11:00	-2.7	1	-0.7	*	3	6.21	1657	4.6	4.6	3.9	16.6	7
	11:15	3.36	1665	3.2	3.2	2.8	-4.8	1	-0.8	*	4	16.6	7
	11:30	4.16	1663	3.6	3.6	3	-4.8	1	-0.8	*	4	16.6	6.99
	11:45	2.76	1661	2.9	2.9	2.5	-4.7	1	-0.8	*	3.9	16.6	7.07
	12:00	3.68	1659	3.4	3.4	2.8	-4.7	1	-0.8	*	3.9	16.6	7.01
	12:15	-3.9	1	-0.8	*	3.1	1.41	1018	2.2	2.2	3.9	16.7	7
	12:30	3.16	1663	3.1	3.1	2.6	-5.1	1	-0.8	*	3.9	16.7	7.06
	12:45	4.21	1662	3.6	3.6	3.1	-5.1	1	-0.8	*	3.9	16.7	7.02
	13:00	2.52	1667	2.8	2.8	2.4	-4.9	1	-0.8	*	3.7	16.8	7.03
	13:15	3.36	1665	3.2	3.2	2.7	-4.9	1	-0.8	*	3.7	16.8	7
	13:30	4.86	1511	3.3	3.3	3.1	0.55	983	1.9	1.9	3.7	16.8	7
	13:45	2.96	1667	3	3	2.6	-4.9	1	-0.8	*	3.7	16.8	7.02
	14:00	3.72	1669	3.4	3.4	2.9	-4.9	1	-0.8	*	3.7	16.8	7
	14:15	2.15	1432	2.7	2.7	3	-4.9	1	-0.8	*	3.7	16.8	7.07
	14:30	3.15	1669	3.2	3.2	2.7	-4.9	1	-0.8	*	3.7	16.8	7.08
	14:45	4.25	1642	3.6	3.6	3	0.1	81	1.7	1.7	3.7	16.9	7.06
	15:00	2.55	1668	2.9	2.9	2.5	-4.6	1	-0.8	*	4	16.9	7.08
	15:15	3.59	1672	3.4	3.4	2.9	-4.6	1	-0.8	*	4	16.9	7.04
	15:30	-1.9	1	-0.6	*	3	6.32	1669	4.7	4.7	4	16.9	7.05
	15:45	3.41	1661	3.2	3.2	2.7	-4.8	1	-0.8	*	3.3	16.9	7.08
	16:00	3.92	1666	3.5	3.5	3.1	-4.8	1	-0.8	*	3.3	16.9	6.99
	16:15	2.76	1666	2.9	2.9	2.5	-4.8	1	-0.8	*	3.7	16.9	7.05
	16:30	3.61	1662	3.3	3.3	2.8	-4.8	1	-0.8	*	3.7	16.9	7
	16:45	-4	1	-0.8	*	3	5.28	1666	4.2	4.2	3.6	16.9	7
	17:00	3.16	1664	3.1	3.1	2.6	-4.8	1	-0.8	*	3.8	16.9	7.01
	17:15	3.72	1664	3.4	3.4	3	-4.8	1	-0.8	*	3.8	16.8	6.99
	17:30	2.52	1668	2.8	2.8	2.4	-4.8	1	-0.8	*	3.9	16.9	7.02
	17:45	3.56	1666	3.3	3.3	2.8	-4.8	1	-0.8	*	3.9	16.8	6.99

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	4.95	1511	3.3	3.3	3.1	-4.8	1	-0.8	*	3.9	16.7	6.99
	18:15	2.99	1664	3.1	3.1	2.6	-4.9	1	-0.8	*	3.8	16.8	7.08
	18:30	4.29	1663	3.6	3.6	3	-4.9	1	-0.8	*	3.8	16.7	7.04
	18:45	2.56	1657	2.8	2.8	3.2	-4.9	1	-0.8	*	4.1	16.7	7.04
	19:00	3.56	1658	3.3	3.3	2.8	-4.9	1	-0.8	*	4.1	16.7	7.02
	19:15	4.82	1651	3.8	3.8	3.2	5.85	1613	4.4	4.4	4.1	16.6	7
	19:30	3.01	1664	3	3	2.6	-2.8	1	-0.8	*	4.3	16.7	7.04
	19:45	3.61	1660	3.3	3.3	2.9	-4.6	1	-0.8	*	4.3	16.7	7
	20:00	-29	1	-14	*	3.1	4.52	1706	3.8	3.8	3.1	16.7	7
	20:15	3.16	1660	3.1	3.1	2.7	-4.7	1	-0.8	*	3.6	16.7	7.02
	20:30	4.16	1663	3.6	3.6	3	-4.7	1	-0.8	*	3.6	16.7	6.97
	20:45	-4.5	1	-0.7	*	3.2	-4.6	1	-0.8	*	3.9	16.7	6.96
	21:00	3.61	1660	3.3	3.3	2.8	-4.6	1	-0.8	*	3.9	16.7	6.98
	21:15	4.61	1659	3.8	3.8	3.1	-4.6	1	-0.8	*	3.9	16.7	6.97
	21:30	3.01	1665	3	3	2.5	7.06	1517	4.4	4.4	4.1	16.7	7
	21:45	3.32	1658	3.2	3.2	2.7	-4.6	1	-0.8	*	4.1	16.7	6.98
	22:00	4.41	1662	3.7	3.7	3.2	-4.6	1	-0.8	*	4.1	16.7	6.98
	22:15	2.96	1669	3	3	2.6	-4.7	1	-0.8	*	3.6	16.7	7.04
	22:30	3.96	1665	3.5	3.5	3	-4.7	1	-0.8	*	3.6	16.7	6.98
	22:45	-3.9	1	-0.8	*	3.2	5.72	1664	4.4	4.4	3.8	16.7	6.98
	23:00	3.12	1669	3.1	3.1	2.6	-4.7	1	-0.8	*	3.8	16.7	7.01
	23:15	4.16	1671	3.6	3.6	3	-4.7	1	-0.8	*	3.8	16.6	7
	23:30	-3.4	1	-0.7	*	3.2	6.16	1663	4.6	4.6	3.9	16.7	7.02
	23:45	3.56	1660	3.3	3.3	2.7	-4.6	1	-0.8	*	4	16.6	7.01
2/24/2014	0:00	4.32	1667	3.7	3.7	3.2	-4.6	1	-0.8	*	4	16.6	6.99
	0:15	2.63	1664	2.9	2.9	2.5	-3.2	1504	-0.8	*	4	16.7	7.02
	0:30	3.76	1669	3.4	3.4	2.9	5.43	1	4.3	4.3	4	16.6	7.01
	0:45	5.13	1518	3.5	3.5	3.3	-4.6	1136	-0.8	*	4	16.6	6.99
	1:00	3.36	1664	3.2	3.2	2.7	1.39	1	2.3	2.3	3.5	16.6	7.03
	1:15	4.36	1664	3.7	3.7	3.1	-4.8	1	-0.8	*	3.5	16.6	6.99
	1:30	0.83	1289	2	2	3.3	-4.7	1662	-0.8	*	3.6	16.6	7.02
	1:45	3.32	1662	3.2	3.2	2.7	5.56	1	4.3	4.3	3.9	16.6	7.01
	2:00	4.32	1665	3.7	3.7	3.2	-4.6	1	-0.8	*	3.9	16.6	6.99
	2:15	2.96	1659	3	3	2.5	-4.8	1	-0.8	*	4.1	16.6	7.01
	2:30	3.76	1662	3.4	3.4	3	-4.8	1	-0.8	*	4.1	16.6	6.99
	2:45	6.85	1468	4.1	4.1	3.2	-4.6	1652	-0.8	*	4	16.5	6.98

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	3.41	1663	3.2	3.2	2.8	7.75	1	4.7	4.7	4.2	16.6	7.03
	3:15	4.21	1663	3.6	3.6	3	-4.8	1	-0.9	*	4.2	16.5	6.99
	3:30	-2.6	1	-0.8	*	3.2	-4.7	1665	-0.8	*	3.5	16.6	7.03
	3:45	3.56	1662	3.3	3.3	2.8	5.19	1	4.2	4.2	3.6	16.6	7.01
	4:00	4.52	1671	3.8	3.8	3.2	-4.8	1	-0.8	*	3.6	16.5	6.98
	4:15	3.16	1665	3.1	3.1	2.6	-4.8	1	-0.8	*	3.8	16.6	7.03
	4:30	4.16	1664	3.6	3.6	2.9	-4.8	1	-0.8	*	3.8	16.5	6.99
	4:45	-13	1	-5.4	*	3.3	-4.7	1657	-0.8	*	3.9	16.5	6.99
	5:00	3.56	1664	3.3	3.3	2.8	6.23	1	4.7	4.7	4	16.5	7.02
	5:15	4.41	1661	3.7	3.7	3.2	-4.8	1	-0.8	*	4	16.5	6.99
	5:30	3.01	1661	3	3	2.6	-3.8	1649	-0.8	*	4.1	16.5	7.02
	5:45	3.61	1661	3.3	3.3	2.8	6.85	1	4.9	4.9	4.1	16.5	7.02
	6:00	4.56	1665	3.8	3.8	3.2	-4.6	1	-0.8	*	4.1	16.5	6.98
	6:15	2.96	1664	3	3	2.6	-4.8	1	-0.8	*	3.7	16.5	7.05
	6:30	4.12	1668	3.6	3.6	3	-4.8	1	-0.8	*	3.7	16.5	6.98
	6:45	-4.1	1	-0.9	*	3.3	-4.6	1671	-0.8	*	3.7	16.5	6.98
	7:00	3.56	1664	3.3	3.3	2.8	5.39	1	4.3	4.3	3.8	16.4	7.01
	7:15	4.56	1659	3.8	3.8	3.2	-4.8	1	-0.8	*	3.8	16.4	6.98
	7:30	2.92	1668	3	3	2.5	-4.7	1	-0.8	*	4	16.4	7.01
	7:45	4.12	1660	3.6	3.6	3	-4.7	1	-0.8	*	4	16.4	6.99
	8:00	4.89	1553	3.4	3.4	3.3	-4.7	1640	-0.8	*	4	16.4	6.97
	8:15	-4.4	1	-0.7	*	2.7	6.05	1	4.5	4.5	4.1	16.5	7.03
	8:30	4.12	1667	3.6	3.6	3	-4.6	1	-0.8	*	4.1	16.4	6.99
	8:45	-3.9	1	-0.8	*	3.3	-4.6	1	-0.8	*	4.1	16.4	6.97
	9:00	3.56	1663	3.3	3.3	2.9	-4.8	1	-0.8	*	3.7	16.4	7.01
	9:15	4.72	1665	3.9	3.9	3.3	-4.8	1	-0.8	*	3.7	16.4	6.97
	9:30	3.25	1665	3.1	3.1	2.6	-4.7	1	-0.8	*	3.9	16.4	6.98
	9:45	4.16	1664	3.6	3.6	3.1	-4.7	1	-0.8	*	3.9	16.4	6.96
	10:00	5.35	1517	3.5	3.5	3.3	-4.7	1	-0.8	*	3.9	16.4	6.96
	10:15	3.6	1768	3.1	3.1	3.3	-4.6	1667	-0.8	*	4.2	16.4	6.98
	10:30	-4	1	-0.7	*	2.6	6.95	1844	5.1	5.1	3.8	16.4	7
	10:45	3.8	1771	3.2	3.2	2.5	6.92	1847	5	5	4.3	16.4	6.91
	11:00	4.4	1916	3.5	3.5	2.5	10.9	1	5.7	5.7	4.6	16.4	6.9
	11:15	-38	1	-19	*	2.6	-4.6	1843	-0.8	*	4.2	16.4	6.96
	11:30	2.61	1627	2.8	2.8	2.4	7.88	1	5.5	5.5	4.2	16.4	6.96
	11:45	3.81	1664	3.4	3.4	2.8	-4.7	1	-0.8	*	4.2	16.5	6.59

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	5.3	1652	3.8	3.8	3.1	-4.7	1	-0.8	*	4.2	16.2	6.8
	12:15	2.88	1665	3	3	2.5	-2.9	1	-0.8	*	4.4	16.2	6.91
	12:30	3.52	1664	3.3	3.3	2.8	-4.6	1	-0.8	*	4.4	16.2	6.93
	12:45	-3.9	1	-0.8	*	3.1	-4.7	1844	-0.8	*	3.6	16.2	6.92
	13:00	3.16	1665	3.1	3.1	2.6	6.39	1	4.8	4.8	3.7	16.2	6.95
	13:15	4.16	1665	3.6	3.6	3	-4.8	1	-0.8	*	3.7	16.2	6.95
	13:30	2.72	1659	2.9	2.9	2.4	-4.8	1	-0.8	*	3.8	16.3	6.96
	13:45	3.56	1665	3.3	3.3	2.8	-4.8	1	-0.8	*	3.8	16.2	6.96
	14:00	3.21	1777	3.1	3.1	2.4	-4	1512	-0.8	*	4	16.2	6.98
	14:15	4.36	1799	3.7	3.7	2.9	5.71	1950	4.2	4.2	3.4	16.2	6.99
	14:30	6.27	1780	4.2	4.2	3.2	6.91	1	4.8	4.8	3.3	16.2	6.96
	14:45	4.12	1855	3.6	3.6	2.7	-4.3	1	-0.8	*	3.2	16.2	7
	15:00	5.23	1859	4.2	4.2	3.1	-3.9	1	-0.8	*	3.2	16.2	6.98
	15:15	3.96	1928	3.5	3.5	3.3	-4.6	1728	-0.8	*	3.2	16.2	6.97
	15:30	4.85	1848	3.9	3.9	2.9	4.59	1	3.9	3.9	3.2	16.1	6.99
	15:45	6.22	1843	4.5	4.5	3.3	-4.8	1	-0.8	*	3.2	16.1	6.99
	16:00	3.25	1669	3.1	3.1	2.6	-4.7	1	-0.8	*	3.2	16.2	7.05
	16:15	3.96	1666	3.5	3.5	2.9	-4.7	1	-0.8	*	3.2	16.1	7.01
	16:30	-1.8	1	-0.7	*	3.2	-4.6	1659	-0.8	*	3.4	16.2	7.02
	16:45	3.36	1661	3.2	3.2	2.7	4.96	1	4	4	3.4	16.1	7.03
	17:00	4.32	1666	3.7	3.7	3	-4.6	1	-0.8	*	3.4	16.1	7.01
	17:15	6.09	2008	4.5	4.5	3.1	-4.9	1	-0.8	*	3.9	16.1	7
	17:30	3.01	1662	3	3	2.5	-3.2	0	-0.8	*	3.8	16.1	7.02
	17:45	4.01	1670	3.5	3.5	2.9	-4.7	1	-0.8	*	3.8	16	6.99
	18:00	-3.9	1	-0.8	*	3.1	-4.8	1669	-0.8	*	3.2	15.9	7
	18:15	3.36	1668	3.2	3.2	2.7	4.65	1	3.8	3.8	3.2	15.9	7.01
	18:30	4.56	1662	3.8	3.8	3.1	-4.6	1	-0.8	*	3.2	15.9	6.99
	18:45	3.09	1661	3	3	2.5	-4.7	1	-0.8	*	3.5	15.9	7
	19:00	3.96	1662	3.5	3.5	2.9	-4.7	1	-0.8	*	3.5	15.9	6.98
	19:15	5.35	1507	3.5	3.5	3.2	-4.7	1662	-0.8	*	3.4	15.9	6.97
	19:30	3.21	1662	3.1	3.1	2.6	5.21	1	4.1	4.1	3.7	15.9	7.01
	19:45	3.92	1662	3.5	3.5	3	-4.6	1	-0.8	*	3.7	15.8	6.98
	20:00	-3.9	1	-0.8	*	3.2	-4.7	1663	-0.8	*	3.7	15.9	6.97
	20:15	-4.3	1	-0.7	*	2.7	6.09	1	4.5	4.5	3.8	15.8	6.97
	20:30	4.32	1668	3.7	3.7	3	-4.5	1	-0.8	*	3.8	15.8	6.97
	20:45	-2.2	1	-1.1	*	3.1	-4.8	1668	-0.8	*	3.3	16	7.02

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	3.76	1663	3.4	3.4	2.8	4.81	1	3.9	3.9	3.3	15.8	6.99
	21:15	4.81	1666	3.9	3.9	3.2	-4.6	1	-0.8	*	3.3	15.7	6.97
	21:30	3.16	1663	3.1	3.1	2.6	-4.8	1	-0.8	*	3.5	15.8	7
	21:45	4.16	1665	3.6	3.6	3	-4.8	1	-0.8	*	3.5	15.7	6.96
	22:00	-3.9	1	-0.8	*	3.3	-4.7	1667	-0.8	*	3.6	15.7	6.96
	22:15	3.61	1667	3.3	3.3	2.8	5.52	1	4.3	4.3	3.7	15.7	6.96
	22:30	4.56	1665	3.8	3.8	3.2	-4.7	1	-0.8	*	3.7	15.7	6.95
	22:45	-4.4	1	-0.7	*	3.3	-3.6	1654	-0.8	*	3.9	15.7	6.96
	23:00	3.61	1660	3.3	3.3	2.7	6.41	1	4.7	4.7	3.9	15.7	6.99
	23:15	4.52	1671	3.8	3.8	3.2	-4.6	1	-0.8	*	3.9	15.7	6.97
	23:30	1.21	1321	2.1	2.1	3.3	-4.8	1	-0.8	*	3.3	15.7	6.98
	23:45	3.96	1662	3.5	3.5	2.9	-4.8	1	-0.8	*	3.3	15.6	6.95
2/25/2014	0:00	5.25	1659	4.1	4.1	3.3	-4.6	1	-0.8	*	3.3	15.6	6.95
	0:15	3.36	1663	3.2	3.2	2.7	-4.8	1	-0.8	*	3.5	15.6	6.97
	0:30	4.56	1663	3.8	3.8	3.1	-4.8	1	-0.8	*	3.5	15.6	6.94
	0:45	-2.2	1	-1.1	*	3.3	5.63	1661	4.4	4.4	3.6	15.6	6.94
	1:00	3.96	1662	3.5	3.5	2.9	-4.7	1	-0.8	*	3.8	15.5	6.94
	1:15	4.76	1661	3.9	3.9	3.3	-4.7	1	-0.8	*	3.8	15.5	6.93
	1:30	3.36	1664	3.2	3.2	2.6	-4.1	0	-0.9	*	3.9	15.5	6.95
	1:45	3.92	1665	3.5	3.5	2.9	-4.5	1	-0.8	*	3.9	15.5	6.95
	2:00	5.01	1661	4	4	3.3	-4.5	1	-0.8	*	3.9	15.5	6.95
	2:15	3.61	1661	3.3	3.3	2.7	-4.8	1	-0.8	*	3.3	15.6	6.99
	2:30	4.32	1664	3.7	3.7	3.1	-4.8	1	-0.8	*	3.3	15.5	6.94
	2:45	-3.9	1	-0.8	*	3.3	5.08	1663	4.1	4.1	3.4	15.5	6.94
	3:00	4.01	1665	3.5	3.5	2.9	-4.8	1	-0.8	*	3.5	15.5	6.96
	3:15	4.92	1668	4	4	3.2	-4.8	1	-0.8	*	3.5	15.5	6.94
	3:30	3.32	1665	3.2	3.2	2.6	-4.8	1	-0.8	*	3.7	15.5	6.97
	3:45	4.12	1663	3.6	3.6	3	-4.8	1	-0.8	*	3.7	15.4	6.95
	4:00	5.59	1505	3.6	3.6	3.3	5.43	1646	4.3	4.3	3.6	15.4	6.93
	4:15	-4.4	1	-0.7	*	2.8	-4.6	1	-0.8	*	3.8	15.5	6.95
	4:30	4.16	1660	3.6	3.6	3	-4.6	1	-0.8	*	3.8	15.4	6.94
	4:45	-3.9	1	-0.8	*	3.3	4.72	1663	3.9	3.9	3.2	15.4	6.95
	5:00	3.72	1668	3.4	3.4	2.8	-4.8	1	-0.8	*	3.4	15.4	6.97
	5:15	5.01	1667	4	4	3.2	-4.8	1	-0.8	*	3.4	15.4	6.94
	5:30	3.32	1662	3.2	3.2	2.6	-4.9	1	-0.8	*	3.4	15.4	6.95
	5:45	4.32	1662	3.7	3.7	3	-4.9	1	-0.8	*	3.4	15.3	6.94

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	5.62	1510	3.7	3.7	3.3	4.95	1646	4.1	4.1	3.4	15.3	6.93
	6:15	3.72	1662	3.4	3.4	2.8	-4.8	1	-0.8	*	3.7	15.3	6.95
	6:30	4.76	1665	3.9	3.9	3.2	-4.8	1	-0.8	*	3.7	15.3	6.92
	6:45	1.43	1242	2.3	2.3	3.3	-4.8	1	-0.8	*	3.8	15.4	6.93
	7:00	4.36	1662	3.7	3.7	3	-4.8	1	-0.8	*	3.8	15.3	6.93
	7:15	5.29	1666	4.1	4.1	3.3	-6.2	1	-1.5	*	3.8	15.3	6.91
	7:30	3.56	1659	3.3	3.3	2.7	-2.1	1	-0.8	*	3.9	15.4	6.95
	7:45	4.56	1663	3.8	3.8	3.1	-4.7	1	-0.8	*	3.9	15.3	6.92
	8:00	-2.2	1	-1.1	*	3.3	5.12	1663	4.1	4.1	3.3	15.3	6.94
	8:15	4.16	1668	3.6	3.6	2.9	-4.7	1	-0.8	*	3.3	15.3	6.94
	8:30	4.96	1661	4	4	3.3	-4.7	1	-0.8	*	3.3	15.2	6.92
	8:45	3.56	1662	3.3	3.3	2.7	-4.7	1	-0.8	*	3.5	15.3	6.97
	9:00	4.61	1665	3.8	3.8	3.1	-4.7	1	-0.8	*	3.5	15.2	6.93
	9:15	-4.1	1	-0.9	*	3.3	-4.7	1	-0.8	*	3.5	15.2	6.91
	9:30	4.01	1659	3.5	3.5	2.9	5.28	1656	4.2	4.2	3.4	15.3	6.95
	9:45	4.92	1666	4	4	3.2	-4.8	1	-0.8	*	3.7	15.2	6.93
	10:00	3.36	1666	3.2	3.2	2.6	-4.8	1	-0.8	*	3.7	15.2	6.91
	10:15	4.32	1664	3.7	3.7	3	-4.8	1	-0.8	*	3.7	15.2	6.91
	10:30	6.05	1644	4	4	3.4	-4.8	0	-0.8	*	3.7	15.2	6.9
	10:45	3.85	1657	3.4	3.4	2.8	5.28	1528	4.2	4.2	3.8	15.2	6.89
	11:00	4.28	1669	3.7	3.7	3	-4.6	1	-0.8	*	3.2	15.2	6.88
	11:15	4.28	1669	3.7	3.7	3	-4.6	1	-0.8	*	3.2	15.2	6.88
	11:30	4.28	1669	3.7	3.7	2.7	-4.6	1	-0.8	*	3.7	15.2	6.88
	11:45	-4.5	1	-0.7	*	3	-4.6	1	-0.8	*	3.7	16.7	7.14
	12:00	3.61	1664	3.3	3.3	3.2	-4.8	1	-0.8	*	3.7	15.1	6.89
	12:15	4.56	1669	3.8	3.8	2.8	-4.8	1	-0.8	*	3.7	15.1	6.85
	12:30	-4.1	1	-0.9	*	3.2	-4.8	1	-0.8	*	3.7	15	6.87
	12:45	3.96	1660	3.5	3.5	2.6	-4.8	1	-0.8	*	3.8	15.1	6.91
	13:00	4.76	1662	3.9	3.9	2.9	-4.8	1	-0.8	*	3.8	15	6.87
	13:15	3.36	1663	3.2	3.2	3.3	6.79	1501	4.2	4.2	3.8	15	6.87
	13:30	3.96	1664	3.5	3.5	2.8	-4.6	1	-0.8	*	3.3	15	6.91
	13:45	-2.6	1	-0.8	*	3.2	1.16	1079	2.1	2.1	3.3	15	6.9
	14:00	3.96	1664	3.5	3.5	2.7	-4.8	1	-0.8	*	3.3	15	6.91
	14:15	4.81	1660	3.9	3.9	3.1	-4.8	1	-0.8	*	3.3	15	6.89
	14:30	3.69	1647	3.3	3.3	3.3	-4.8	1	-0.8	*	3.5	15	6.91
	14:45	4.45	1655	3.7	3.7	2.7	-4.8	1	-0.8	*	3.8	15	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	5.55	1651	4.1	4.1	3	5.72	1659	4.4	4.4	3.8	15	6.9
	15:15	3.56	1660	3.3	3.3	3.3	-4.6	1	-0.8	*	3.8	15	6.9
	15:30	4.61	1662	3.8	3.8	2.9	-4.6	1	-0.8	*	3.8	14.9	6.9
	15:45	-18	1	-8.1	*	3.2	-4.6	1	-0.8	*	3.8	14.9	6.91
	16:00	4.16	1667	3.6	3.6	3.3	-2.9	1	-1	*	3.4	15	6.94
	16:15	4.96	1663	4	4	2.9	-4.7	1	-0.8	*	3.4	14.9	6.9
	16:30	-4.4	1	-0.7	*	3.3	-4.6	1	-0.8	*	3.4	14.9	6.92
	16:45	4.21	1665	3.6	3.6	2.7	-4.6	1	-0.8	*	3.9	14.9	6.93
	17:00	4.96	1667	4	4	3.1	-4.6	0	-0.8	*	3.9	14.8	6.93
	17:15	3.76	1667	3.4	3.4	3.3	-4.8	1	-0.8	*	3.6	14.8	6.95
	17:30	4.61	1667	3.8	3.8	2.9	-4.8	1	-0.8	*	3.8	14.8	6.91
	17:45	-3.9	1	-0.8	*	3.2	5.88	1667	4.5	4.5	3.8	14.8	6.91
	18:00	4.16	1662	3.6	3.6	2.6	-4.8	1	-0.8	*	3.9	14.8	6.92
	18:15	4.96	1664	4	4	2.9	-4.8	1	-0.8	*	3.9	14.8	6.9
	18:30	3.56	1662	3.3	3.3	3.2	6.78	1521	4.3	4.3	3.9	14.8	6.9
	18:45	4.21	1660	3.6	3.6	2.7	-4.5	0	-0.8	*	3.4	14.8	6.9
	19:00	4.92	1667	4	4	3.1	-4.5	1	-0.8	*	3.4	14.7	6.91
	19:15	3.61	1663	3.3	3.3	3.3	-4.9	0	-0.8	*	3.8	14.8	6.95
	19:30	4.61	1668	3.8	3.8	2.9	-4.9	0	-0.8	*	4.1	14.7	6.91
	19:45	-14	1	-5.8	*	2.7	7.65	1871	5.3	5.3	3.5	14.7	6.9
	20:00	-4	1	-0.7	*	2.6	8.59	1901	5.9	5.9	4	14.7	6.91
	20:15	-4	1	-0.7	*	2.7	6.46	1913	4.9	4.9	4.4	14.7	6.9
	20:30	4.2	1729	3.4	3.4	2.7	8.19	1899	5.7	5.7	3.6	14.7	6.91
	20:45	-2.1	1	-1	*	2.9	8.04	1535	4.8	4.8	3.6	14.7	6.89
	21:00	2.48	1505	2.8	2.8	3.2	-5	1	-0.8	*	3.6	14.8	6.92
	21:15	4.12	1671	3.6	3.6	2.7	-5	0	-0.8	*	3.7	14.7	6.92
	21:30	5.31	1654	4	4	3	-5	1	-0.8	*	3.7	14.7	6.9
	21:45	3.65	1655	3.3	3.3	3.1	-4.6	1	-0.8	*	3.8	14.7	6.93
	22:00	4.49	1659	3.7	3.7	2.8	-4.6	1	-0.8	*	3.8	14.7	6.89
	22:15	-2.1	1	-1	*	3.2	6.32	1662	4.7	4.7	3.8	14.7	6.89
	22:30	3.92	1664	3.5	3.5	2.6	-4.8	1	-0.8	*	3.9	14.6	6.9
	22:45	4.81	1658	3.9	3.9	3	-4.8	1	-0.8	*	3.9	14.6	6.88
	23:00	3.35	1668	3.3	3.3	3.2	-4.8	1	-0.8	*	3.9	14.7	6.93
	23:15	4.15	1669	3.7	3.7	2.8	-4.8	1	-0.8	*	4	14.6	6.89
	23:30	-3.9	1	-0.8	*	2.8	6.72	1664	4.9	4.9	4	14.7	6.89
	23:45	3.96	1661	3.5	3.5	2.8	-4.9	1	-0.8	*	4	14.6	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
2/26/2014	0:00	4.81	1662	3.9	3.9	3.1	-4.9	1	-0.8	*	4	14.5	6.9
	0:15	3.41	1661	3.2	3.2	2.6	-4.9	1	-0.8	*	3.5	14.6	6.95
	0:30	4.41	1668	3.7	3.7	3	-4.9	1	-0.8	*	3.5	14.3	6.95
	0:45	6.81	1469	4.1	4.1	3.2	5.52	1656	4.3	4.3	3.5	14.3	6.94
	1:00	4.01	1660	3.5	3.5	2.8	-5	1	-0.8	*	3.7	14.3	6.95
	1:15	4.76	1664	3.9	3.9	3.1	-4.9	1	-0.8	*	3.7	14.2	6.92
	1:30	3.45	1662	3.2	3.2	3.2	-4.9	1	-0.8	*	3.8	14.3	6.91
	1:45	4.16	1662	3.6	3.6	2.9	-4.9	0	-0.8	*	3.8	14.2	6.9
	2:00	5.51	1655	4.1	4.1	3.2	-4.9	1	-0.8	*	3.8	14.1	6.89
	2:15	3.81	1661	3.4	3.4	2.7	7.11	1504	4.4	4.4	3.9	14.3	6.96
	2:30	4.16	1664	3.6	3.6	2.9	-4.5	1	-0.8	*	3.9	14.1	6.96
	2:45	1.41	1	2.2	2.2	2.9	6.36	1662	4.7	4.7	3.7	14.1	6.95
	3:00	-2.2	1	-1.1	*	2.9	6.52	1669	4.8	4.8	3.8	14.2	6.92
	3:15	3.96	1663	3.5	3.5	2.8	-4.7	1	-0.8	*	3.9	14.1	6.9
	3:30	4.96	1669	4	4	3.2	-4.7	1	-0.8	*	3.9	14.1	6.89
	3:45	3.76	1666	3.4	3.4	2.6	-4.1	1	-0.9	*	4	14.1	6.91
	4:00	4.16	1661	3.6	3.6	2.8	-4.5	0	-0.8	*	4	14.1	6.89
	4:15	5.01	1663	4	4	3.2	-4.5	1	-0.8	*	4	14.1	6.88
	4:30	3.81	1662	3.4	3.4	2.7	-4.6	1	-0.8	*	3.6	14.1	6.97
	4:45	4.56	1662	3.8	3.8	3	-4.6	1	-0.8	*	3.6	14	6.91
	5:00	-3.5	1	-0.7	*	3.2	6.12	1665	4.6	4.6	3.6	14	6.9
	5:15	4.16	1663	3.6	3.6	2.9	-4.8	1	-0.8	*	3.7	14	6.91
	5:30	4.96	1662	4	4	3.2	-4.9	1	-0.8	*	3.7	14	6.89
	5:45	-4.5	1	-0.7	*	3.2	-4.6	1	-0.8	*	3.9	14	6.88
	6:00	4.56	1672	3.8	3.8	2.9	3.14	338	3	3	3.8	13.9	6.88
	6:15	5.36	1664	4.2	4.2	3.3	1.69	90	2.3	2.3	3.8	13.9	6.88
	6:30	3.81	1656	3.4	3.4	2.7	6.21	1628	4.6	4.6	3.8	14	6.88
	6:45	4.76	1663	3.9	3.9	3.1	-4.8	0	-0.8	*	3.8	13.9	6.89
	7:00	-2.7	292	-0.7	*	3.3	5.36	1655	4.2	4.2	3.3	13.9	6.87
	7:15	4.16	1670	3.6	3.6	2.8	-4.8	1	-0.8	*	3.5	13.9	6.89
	7:30	4.96	1662	4	4	3.2	-4.8	1	-0.8	*	3.5	13.8	6.86
	7:45	3.76	1687	3.4	3.4	3.3	-4.8	0	-0.8	*	3.7	13.8	6.88
	8:00	4.56	1664	3.8	3.8	3	-4.8	1	-0.8	*	3.7	13.8	6.87
	8:15	5.75	1653	4.2	4.2	3.3	0.72	902	1.9	1.9	3.7	13.7	6.87
	8:30	3.96	1667	3.5	3.5	2.8	-4.8	0	-0.8	*	3.9	13.8	6.89
	8:45	4.96	1663	4	4	3.1	-4.8	1	-0.8	*	3.9	13.7	6.91

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	-3	1	-0.7	*	3.3	-6	1	-1.4	*	3.9	13.8	6.92
	9:15	4.65	1666	3.8	3.8	3	-4.2	1	-0.9	*	3.9	13.8	6.93
	9:30	4.96	1658	4	4	3.2	-4.6	1	-0.8	*	3.9	13.7	6.92
	9:45	3.56	1633	3.3	3.3	3.3	-4.8	0	-0.8	*	3.4	13.8	6.9
	10:00	4.81	1661	3.9	3.9	3	-4.8	1	-0.8	*	3.4	13.8	6.94
	10:15	5.56	1658	4.3	4.3	3.3	5.48	1662	4.3	4.3	3.4	13.8	6.92
	10:30	-4.4	1	-0.7	*	2.7	-4.6	1	-0.8	*	3.8	13.8	6.91
	10:45	4.61	1665	3.8	3.8	3	-4.6	0	-0.8	*	3.8	13.8	6.9
	11:00	6.57	1474	4	4	3.3	3.92	1155	3.5	3.5	3.8	13.8	6.89
	11:15	0.61	1031	1.8	1.8	2.8	1.41	940	2.2	2.2	4	13.9	6.88
	11:30	4.72	1666	3.9	3.9	3.1	-4.6	1	-0.8	*	4	13.8	6.85
	11:45	-3.4	1	-0.7	*	3.2	6.68	1665	4.9	4.9	3.9	13.9	6.84
	12:00	-5.6	667	-1.3	*	2.9	-4.7	1	-0.8	*	3.3	13.9	6.88
	12:15	4.68	2354	3.6	3.6	2	8.32	1904	5.7	5.7	3.9	13.9	6.86
	12:30	-3.9	1	-0.7	*	1.9	9.52	1901	6.3	6.3	4.4	14	6.86
	12:45	-3.9	1	-0.7	*	1.9	7.61	1893	5.3	5.3	3.7	14.1	6.92
	13:00	-3.9	1	-0.7	*	1.9	9.08	1905	6.1	6.1	4.2	14.1	6.92
	13:15	-3.9	1	-0.7	*	1.9	-2.3	1	-1	*	4.5	14.1	6.9
	13:30	-4	1	-0.8	*	1.9	8.65	1894	5.8	5.8	4	14.1	6.94
	13:45	-3.9	1	-0.7	*	1.9	9.79	1897	6.5	6.5	4.5	14.1	6.92
	14:00	-3.9	1	-0.7	*	1.9	8.05	1898	5.5	5.5	3.8	14.1	6.93
	14:15	-3.9	1	-0.7	*	1.9	9.16	1897	6.1	6.1	4.2	14.1	6.9
	14:30	1.09	1499	2	2	1.9	6.16	1663	4.6	4.6	3.6	14.2	6.95
	14:45	-4.4	1	-0.7	*	1.9	-4.6	1	-0.8	*	3.7	14.2	6.92
	15:00	-4.4	1	-0.7	*	1.9	-4.6	1	-0.8	*	3.7	14.3	6.94
	15:15	-4.4	1	-0.7	*	1.9	-4.6	1	-0.8	*	3.7	14.5	6.97
	15:30	-4.4	1	-0.7	*	1.9	7.48	1875	5.3	5.3	3.8	14.1	7
	15:45	-4.4	1	-0.7	*	1.9	9.12	1902	6.1	6.1	4.2	14	6.94
	16:00	-4.4	1	-0.7	*	1.9	-4.9	1	-0.8	*	4.3	14.3	6.92
	16:15	-4.4	1	-0.7	*	1.9	-3.9	1	-0.9	*	4.3	14.2	6.9
	16:30	2.4	1831	2.5	2.5	1.8	8.65	1897	5.8	5.8	4	14.2	6.9
	16:45	-4	1	-0.7	*	1.9	9.59	1903	6.4	6.4	4.4	14.1	6.87
	17:00	-4	1	-0.7	*	1.8	8.08	1902	5.6	5.6	3.9	14.1	6.89
	17:15	-4	1	-0.7	*	1.8	9.16	1900	6.1	6.1	4.3	14.1	6.87
	17:30	-4	1	-0.7	*	1.7	-2.5	0	-1.2	*	4.5	14	6.86
	17:45	-4	1	-0.7	*	1.8	8.85	1894	5.9	5.9	4.1	14	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	-4	1	-0.7	*	1.8	9.88	1903	6.5	6.5	4.5	14	6.87
	18:15	-4	1	-0.7	*	1.7	8.21	1899	5.6	5.6	3.9	14	6.88
	18:30	-4	1	-0.7	*	1.7	9.3	1902	6.3	6.3	4.3	13.9	6.88
	18:45	-4	1	-0.7	*	1.6	-2.8	1	-1.4	*	4.6	13.8	6.85
	19:00	-37	1	-18	*	1.6	9.05	1894	6	6	4.1	13.8	6.89
	19:15	-9	1	-3.4	*	1.6	9.72	1880	6.4	6.4	4.5	13.8	6.89
	19:30	0.88	2003	1.7	1.7	1.1	2.95	1279	3.1	3.1	4.6	13.7	6.85
	19:45	0.88	2003	1.7	1.7	1.1	9.52	1900	6.3	6.3	4.3	13.7	6.87
	20:00	0.88	2000	1.7	1.7	1.2	10.8	1897	6.9	6.9	4.8	13.6	6.82
	20:15	1.08	2001	1.8	1.8	1.2	8.63	1900	5.9	5.9	4	13.7	6.85
	20:30	1.08	2001	1.8	1.8	1.1	10.2	1899	6.6	6.6	4.6	13.6	6.83
	20:45	1.08	2004	1.8	1.8	1.2	-2.4	1	-1.1	*	4.8	13.6	6.8
	21:00	-3.9	1	-0.7	*	1.1	9.56	1896	6.3	6.3	4.3	13.6	6.84
	21:15	-3.9	1	-0.7	*	1.1	10.8	1896	6.9	6.9	4.8	13.6	6.82
	21:30	-3.9	1	-0.7	*	1.1	8.85	1895	5.9	5.9	4.1	13.6	6.88
	21:45	-3.9	1	-0.7	*	1.1	10.3	1904	6.7	6.7	4.5	13.6	6.85
	22:00	-3.9	1	-0.7	*	1.1	-2.8	0	-1.2	*	4.9	13.6	6.83
	22:15	-3.9	1	-0.7	*	1.1	9.35	1904	6.3	6.3	4.3	13.7	6.9
	22:30	-3.9	1	-0.7	*	1.1	11.1	1905	7.2	7.2	4.9	13.7	6.88
	22:45	-3.3	1	-0.2	*	1.1	8.63	1904	5.9	5.9	4	13.8	6.9
	23:00	-34	1	-16	*	1.1	7.56	1668	5.3	5.3	4.2	13.8	6.95
	23:15	-31	1	-14	*	1.1	8.72	1664	5.9	5.9	4.6	13.8	6.96
	23:30	-4.7	1	-1.5	*	1.1	6.81	1664	4.9	4.9	3.8	13.8	6.93
	23:45	-35	1	-16	*	1.1	8.01	1658	5.5	5.5	4.4	13.8	6.91
2/27/2014	0:00	-5.4	1	-1.4	*	1.1	-2.7	158	-0.7	*	4.9	13.7	6.92
	0:15	-5.6	1	-1.5	*	1.1	9.36	1904	6.2	6.2	4.3	13.8	6.92
	0:30	-5.6	1	-1.5	*	1.1	10.7	1904	7	7	4.8	13.7	6.9
	0:45	-5.4	1	-1.4	*	1.1	8.35	1911	5.8	5.8	4	13.7	6.86
	1:00	-5.4	1	-1.4	*	1.1	10.1	1894	6.6	6.6	4.6	13.7	6.87
	1:15	-5.4	1	-1.4	*	1.1	12.5	1886	7.3	7.3	5	13.7	6.81
	1:30	-5.4	1	-1.4	*	1.1	9.61	1895	6.3	6.3	4.3	13.7	6.85
	1:45	-5.2	1	-1.3	*	1.1	10.9	1897	7	7	4.8	13.7	6.86
	2:00	-5.6	1	-1.5	*	1.1	1.75	1049	2.5	2.5	5	13.7	6.82
	2:15	-5.6	1	-1.5	*	1.1	10.1	1894	6.6	6.6	4.6	13.7	6.86
	2:30	-5.6	1	-1.5	*	1.1	11.8	1897	7.4	7.4	5	13.6	6.83
	2:45	-5.4	1	-1.4	*	1.1	9.45	1897	6.2	6.2	4.3	13.7	6.87

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	-5.4	1	-1.4	*	1.1	10.9	1902	7	7	4.8	13.7	6.87
	3:15	-0.4	1466	1.3	1.3	1.1	-2.9	1	-0.8	*	5.1	13.6	6.83
	3:30	-1	1293	1	1	1.1	8.36	1567	5.7	5.7	4.4	13.7	6.91
	3:45	-5.4	1	-1.4	*	1.1	10.9	1894	7	7	4.8	13.6	6.89
	4:00	-5.6	1	-1.5	*	1.1	9.05	1974	6	6	3.9	13.6	6.86
	4:15	-5.6	1	-1.5	*	1.1	10.4	1901	6.8	6.8	4.7	13.6	6.88
	4:30	-5.6	1	-1.5	*	1.1	12.2	1891	7.5	7.5	5.1	13.6	6.86
	4:45	-5.6	1	-1.5	*	1.1	9.72	1897	6.4	6.4	4.4	13.6	6.88
	5:00	-5.4	1	-1.4	*	1.1	11.3	1897	7.2	7.2	4.9	13.6	6.86
	5:15	-3.1	1	-0.2	*	1.1	-4.1	0	-0.9	*	5.2	13.6	6.85
	5:30	-5.2	1	-1.3	*	1.1	10.5	1901	6.8	6.8	4.6	13.6	6.89
	5:45	-32	1	-15	*	1.1	12.2	1896	7.6	7.6	5.2	13.6	6.88
	6:00	-5.6	1	-1.5	*	1.1	9.49	1895	6.2	6.2	4.2	13.6	6.88
	6:15	-5.6	1	-1.5	*	1.1	11	1896	7.1	7.1	4.9	13.6	6.87
	6:30	-5.6	1	-1.5	*	1.1	-33	1	-15	*	5.2	13.5	6.86
	6:45	-5.6	1	-1.5	*	1.1	10.3	1898	6.7	6.7	4.6	13.6	6.88
	7:00	-5.6	1	-1.5	*	1.1	11.9	1900	7.5	7.5	5.1	13.5	6.86
	7:15	-5.4	1	-1.4	*	1.1	9.23	1908	6.2	6.2	4.2	13.5	6.84
	7:30	-5.4	1	-1.4	*	1.1	11.1	1895	7.1	7.1	4.8	13.5	6.87
	7:45	-5.4	1	-1.4	*	1.1	10.7	1570	6.2	6.2	5.2	13.5	6.86
	8:00	-5.4	1	-1.4	*	1.1	10.5	1895	6.7	6.7	4.6	13.5	6.89
	8:15	-0.5	1	1	1	1.1	11.9	1902	7.5	7.5	5.1	13.5	6.87
	8:30	0.16	1	0.1	0.1	1.1	9.41	1952	6.2	6.2	5.3	13.5	6.85
	8:45	0.16	1	0.1	0.1	1.1	11.1	1905	7.1	7.1	4.8	13.5	6.88
	9:00	0.16	1	0.1	0.1	1.1	12.9	1889	7.8	7.8	5.3	13.5	6.86
	9:15	0.16	1	0.1	0.1	1.1	10.2	1895	6.6	6.6	4.5	13.5	6.88
	9:30	0.16	1	0.1	0.1	1.1	12.1	1902	7.6	7.6	5.2	13.5	6.87
	9:45	0.16	1	0.1	0.1	1.1	-4	1	-0.9	*	5.3	13.5	6.85
	10:00	0.16	1	0.1	0.1	1.1	12	2003	7.6	7.6	4.9	13.6	6.89
	10:15	-12	1	-5.8	*	1.1	13.9	1998	8.4	8.4	5.4	13.5	6.87
	10:30	-5.1	1	-1.2	*	1.1	11.1	2002	7.1	7.1	4.6	13.6	6.89
	10:45	-5.5	1	-1.4	*	1.1	11.7	1897	7.4	7.4	5.1	13.6	6.89
	11:00	-0.3	1660	1.5	1.5	1.1	-3	0	-0.8	*	5.4	13.6	6.87
	11:15	1.61	1896	2.3	2.3	1.5	8.32	1471	4.9	4.9	4.5	13.7	6.9
	11:30	2.49	1900	2.7	2.7	1.8	-4.2	0	-0.8	*	2	13.7	6.88
	11:45	1.21	1894	2.1	2.1	1.5	-4.2	1	-0.8	*	2	13.8	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	1.96	1849	2.5	2.5	1.7	-4.2	0	-0.8	*	2	13.8	6.91
	12:15	-1.8	1	-0.8	*	1.8	-4.2	1	-0.8	*	2	13.8	6.89
	12:30	1.45	1845	2.2	2.2	1.6	-4.2	0	-0.8	*	2	13.9	6.91
	12:45	3.12	2101	3.1	3.1	2	-4.2	1	-0.8	*	2	14	6.91
	13:00	2.05	2095	2.5	2.5	1.6	-4.2	1	-0.8	*	2	14.1	6.92
	13:15	3.01	2106	3	3	1.9	-4.2	1	-0.8	*	2	14.1	6.91
	13:30	-4	1	-0.8	*	2.1	-2	1	-1	*	2	14.2	6.89
	13:45	-4.4	1	-0.7	*	1.5	-4.6	1	-0.8	*	2	14.2	6.93
	14:00	1.96	1846	2.5	2.5	1.7	-4.6	0	-0.8	*	2	14.2	6.92
	14:15	-2.1	1	-0.7	*	1.9	-4.6	0	-0.8	*	2	14.3	6.92
	14:30	1.81	1946	2.4	2.4	1.7	3.31	1799	3	3	2.2	14.4	6.96
	14:45	2.76	1954	2.9	2.9	1.9	-4.3	1	-0.8	*	2.4	14.3	6.95
	15:00	1.36	1952	2.2	2.2	1.5	-4.2	1	-0.8	*	2.3	14.3	6.97
	15:15	1.96	1896	2.5	2.5	1.8	-4.2	1	-0.8	*	2.2	14.2	6.95
	15:30	-3.9	1	-0.8	*	2	-4.2	0	-0.8	*	2.1	14.2	6.93
	15:45	1.61	1905	2.3	2.3	1.6	-4.2	1	-0.8	*	2.1	14.2	6.96
	16:00	2.36	1899	2.7	2.7	1.9	-4.2	1	-0.8	*	2	14.1	6.95
	16:15	1.29	1891	2.1	2.1	1.5	-4.2	1	-0.8	*	2	14.1	6.95
	16:30	2.12	1900	2.6	2.6	1.8	-4.2	1	-0.8	*	2	14.1	6.94
	16:45	-22	1	-10	*	2	-4.2	0	-0.8	*	1.9	14	6.89
	17:00	1.72	1903	2.4	2.4	1.6	-33	0	-15	*	1.9	13.9	6.91
	17:15	1.85	1836	2.4	2.4	1.8	-4.6	0	-0.8	*	1.9	13.9	6.91
	17:30	-9.9	1	-3.8	*	2	-4.6	1	-0.8	*	1.9	13.8	6.91
	17:45	2.05	1897	2.5	2.5	1.6	-4.6	1	-0.8	*	1.9	13.7	6.93
	18:00	2.81	1892	2.9	2.9	2	-4.6	1	-0.8	*	1.9	13.7	6.91
	18:15	1.23	1907	2.2	2.2	1.5	-4.6	1	-0.8	*	1.9	13.6	6.88
	18:30	2.41	1898	2.7	2.7	1.8	-4.6	1	-0.8	*	1.9	13.6	6.91
	18:45	3.11	1579	2.4	2.4	2.1	-4.6	1	-0.8	*	1.9	13.5	6.89
	19:00	1.96	1893	2.5	2.5	1.7	-4.6	1	-0.8	*	1.9	13.6	6.9
	19:15	3.14	1889	3	3	2	-4.6	1	-0.8	*	1.9	13.5	6.89
	19:30	1.74	1905	2.3	2.3	1.6	-4.6	1	-0.8	*	1.9	13.5	6.86
	19:45	2.49	1892	2.7	2.7	1.9	-4.6	1	-0.8	*	1.9	13.5	6.88
	20:00	-22	1	-10	*	2.1	-4.6	1	-0.8	*	1.9	13.5	6.87
	20:15	2.01	1901	2.5	2.5	1.7	-4.6	1	-0.8	*	1.9	13.5	6.87
	20:30	2.79	1905	3	3	2	-4.6	0	-0.8	*	1.9	13.5	6.82
	20:45	1.59	1899	2.4	2.4	1.7	-14	1	-6	*	1.9	13.6	6.83

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	2.35	1905	2.8	2.8	1.9	-0.1	2009	1.3	1.3	0.9	13.5	6.81
	21:15	-4.1	1	-0.8	*	2.2	0.11	1998	1.4	1.4	0.9	13.5	6.8
	21:30	2.12	1898	2.6	2.6	1.8	0.11	2002	1.4	1.4	0.9	13.5	6.82
	21:45	3.16	1893	3.1	3.1	2.1	0.31	2002	1.5	1.5	0.9	13.4	6.81
	22:00	1.39	1911	2.3	2.3	1.6	-4.3	0	-0.8	*	0.9	13.5	6.79
	22:15	2.48	1899	2.8	2.8	1.9	-4.3	0	-0.8	*	0.9	13.4	6.83
	22:30	3.39	1527	2.5	2.5	2.2	-4.3	0	-0.8	*	0.9	13.4	6.81
	22:45	2.03	1902	2.6	2.6	1.7	-4.3	1	-0.8	*	0.9	13.5	6.89
	23:00	3.03	1897	3.1	3.1	2.1	-4.3	1	-0.8	*	0.9	13.5	6.83
	23:15	-0.7	1375	1.3	1.3	2.2	-4.3	1	-0.8	*	0.9	13.5	6.84
	23:30	2.35	1907	2.8	2.8	1.9	-4.3	0	-0.8	*	0.9	13.5	6.82
	23:45	3.43	1900	3.3	3.3	2.2	-27	0	-14	*	0.9	13.5	6.81
2/28/2014	0:00	1.92	1901	2.5	2.5	1.7	-30	1	-14	*	0.9	13.6	6.87
	0:15	2.96	1900	3	3	2.1	-5.4	1	-1.4	*	0.9	13.5	6.83
	0:30	-2.4	1	-1.2	*	2.2	-5.6	1	-1.5	*	0.9	13.5	6.83
	0:45	2.61	1894	2.8	2.8	1.9	-5.6	1	-1.5	*	0.9	13.5	6.87
	1:00	3.56	1901	3.3	3.3	2.2	-5.6	1	-1.5	*	0.9	13.5	6.83
	1:15	1.63	1906	2.4	2.4	1.7	-5.6	1	-1.5	*	0.9	13.6	6.87
	1:30	2.96	1898	3	3	2	-5.6	0	-1.5	*	0.9	13.6	6.87
	1:45	-4	1	-0.8	*	2.3	-5.6	1	-1.5	*	0.9	13.6	6.84
	2:00	2.36	1898	2.7	2.7	1.9	-5.6	0	-1.5	*	0.9	13.6	6.88
	2:15	3.56	1895	3.3	3.3	2.3	-5.6	0	-1.5	*	0.9	13.6	6.88
	2:30	1.81	1896	2.4	2.4	1.7	-5.6	0	-1.5	*	0.9	13.6	6.89
	2:45	2.96	1905	3	3	2.1	-5.6	1	-1.5	*	0.9	13.6	6.9
	3:00	-3.7	871	-1.2	*	2.3	-5.6	1	-1.5	*	0.9	13.6	6.89
	3:15	2.36	1896	2.7	2.7	1.8	-5.6	1	-1.5	*	0.9	13.6	6.91
	3:30	3.36	1896	3.2	3.2	2.2	-5.6	0	-1.5	*	0.9	13.6	6.89
	3:45	1.89	1916	2.4	2.4	1.6	-5.6	1	-1.5	*	0.9	13.7	6.87
	4:00	2.96	1894	3	3	2	-5.6	1	-1.5	*	0.9	13.7	6.87
	4:15	4.33	1888	3.4	3.4	2.4	-5.6	1	-1.5	*	0.9	13.7	6.86
	4:30	2.25	1897	2.6	2.6	1.8	-5.6	1	-1.5	*	0.9	13.8	6.88
	4:45	3.16	1903	3.1	3.1	2.2	-5.4	1	-1.4	*	0.9	13.7	6.87
	5:00	-2.4	1	0.3	0.3	2.3	-5.4	1	-1.4	*	0.9	13.7	6.85
	5:15	2.76	1898	2.9	2.9	2	-5.4	1	-1.4	*	0.9	13.7	6.89
	5:30	3.76	1895	3.4	3.4	2.4	-5.4	1	-1.4	*	0.9	13.7	6.88
	5:45	2.21	1893	2.6	2.6	1.8	-5.4	1	-1.4	*	0.9	13.8	6.91

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	3.16	1904	3.1	3.1	2.1	-5.4	1	-1.4	*	0.9	13.7	6.89
	6:15	-1.6	1	-0.6	*	2.3	-5.4	1	-1.4	*	0.9	13.7	6.88
	6:30	2.72	1897	2.9	2.9	2	-5.4	1	-1.4	*	0.9	13.7	6.9
	6:45	3.76	1896	3.4	3.4	2.3	-5.4	0	-1.4	*	0.9	13.7	6.9
	7:00	2.16	1897	2.6	2.6	1.8	-5.4	1	-1.4	*	0.9	13.8	6.93
	7:15	3.16	1894	3.1	3.1	2.1	-5.4	1	-1.4	*	0.9	13.7	6.91
	7:30	-4	1	-0.8	*	2.3	-5.4	1	-1.4	*	0.9	13.7	6.88
	7:45	2.56	1895	2.8	2.8	2	-5.4	1	-1.4	*	0.9	13.7	6.86
	8:00	3.76	1895	3.4	3.4	2.3	-5.4	1	-1.4	*	0.9	13.7	6.82
	8:15	2.34	1895	2.6	2.6	1.8	-29	1	-13	*	0.9	13.8	6.83
	8:30	3.12	1905	3.1	3.1	2.1	-0	1	0	*	0.9	13.8	6.83
	8:45	-2.7	1	-0.7	*	2.4	-0	1	0	*	0.9	13.8	6.81
	9:00	2.49	1894	2.7	2.7	1.9	-0	1	0	*	0.9	13.9	6.86
	9:15	4.08	2003	3.6	3.6	2.3	-0	1	0	*	0.9	13.8	6.83
	9:30	2.43	2018	2.8	2.8	1.8	-0	1	0	*	0.9	13.9	6.84
	9:45	3.43	2004	3.3	3.3	2.2	-3.7	1	-0.8	*	0.9	13.9	6.85
	10:00	-4	1	-0.8	*	2.4	-3.7	0	-0.8	*	0.9	14	6.85
	10:15	3.65	2098	3.3	3.3	2.1	-3.7	1	-0.8	*	0.9	14	6.88
	10:30	4.96	2096	4	4	2.5	-3.7	1	-0.8	*	0.9	14	6.89
	10:45	3.01	2104	3	3	1.9	-3.7	1	-0.8	*	0.9	14	6.91
	11:00	4.16	2098	3.6	3.6	2.3	-3.7	1	-0.8	*	0.9	14	6.92
	11:15	-13	1	-5.2	*	2.6	-3.7	0	-0.8	*	0.9	14.1	6.88
	11:30	3.56	2100	3.3	3.3	2.1	-3.9	0	-0.9	*	0.9	14.1	6.91
	11:45	4.01	1898	3.5	3.5	2.4	-3.7	1	-0.8	*	0.9	14.1	6.93
	12:00	2.01	1912	2.5	2.5	1.7	-3.6	0	-0.8	*	0.9	14.2	6.91
	12:15	3.16	1897	3.1	3.1	2.1	-3.6	1	-0.8	*	0.9	14.2	6.95
	12:30	5.05	1887	3.5	3.5	2.4	-3.6	1	-0.8	*	0.9	14.2	6.94
	12:45	3.28	2101	3.2	3.2	2	-3.6	1	-0.8	*	0.9	14.3	6.95
	13:00	4.61	2095	3.8	3.8	2.4	-3.6	0	-0.8	*	0.9	14.3	6.94
	13:15	3.38	2185	3.1	3.1	1.8	-3.6	1	-0.8	*	0.9	14.4	6.91
	13:30	4.01	2095	3.5	3.5	2.2	-14	0	-6.5	*	0.9	14.4	6.94
	13:45	-4.4	1	-0.7	*	2.6	-5.1	1	-1.1	*	0.9	14.4	6.93
	14:00	3.12	2090	3.1	3.1	2	-5.6	1	-2.8	*	0.9	14.5	6.96
	14:15	4.41	2100	3.7	3.7	2.3	-5.6	1	-2.8	*	0.9	14.5	6.94
	14:30	-4	1	-0.8	*	2.6	-5.6	1	-2.8	*	0.9	14.5	6.91
	14:45	3.76	2101	3.4	3.4	2.2	-5.6	1	-2.8	*	0.9	14.6	6.93

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	4.85	2102	3.9	3.9	2.5	-5.6	0	-2.8	*	0.9	14.6	6.9
	15:15	2.96	2103	3	3	1.9	-5.6	1	-2.8	*	0.9	14.7	6.92
	15:30	4.21	2097	3.6	3.6	2.3	-14	1	-6.9	*	0.9	14.8	6.91
	15:45	-3.9	1	-0.8	*	2.5	-3.7	0	-0.9	*	0.9	14.9	6.9
	16:00	2.61	1898	2.8	2.8	2	-4.3	1	-1.5	*	0.9	15	6.93
	16:15	2.81	1895	2.9	2.9	2.1	-28	1	-13	*	0.9	15.1	6.93
	16:30	-2.7	1	-0.7	*	2.3	-5.6	0	-2.8	*	0.9	15.1	6.91
	16:45	2.94	1894	2.9	2.9	2	-5.6	1	-2.8	*	0.9	15.1	6.93
	17:00	3.52	1905	3.3	3.3	2.3	-5.6	1	-2.8	*	0.9	15	6.91
	17:15	2.12	1903	2.6	2.6	1.9	-5.6	1	-2.8	*	0.9	15	6.92
	17:30	3.03	1901	3.1	3.1	2.3	-5.6	1	-2.8	*	0.9	14.9	6.9
	17:45	-2.6	1	-1.3	*	2.4	-5.6	1	-2.8	*	0.9	14.9	6.88
	18:00	2.76	1897	2.9	2.9	2	-3.9	1	-1.1	*	0.9	14.9	6.89
	18:15	-35	1	-16	*	2.3	-5.4	1	-2.6	*	0.9	14.8	6.89
	18:30	-4.7	1	-0.7	*	2.3	-30	1	-14	*	0.9	14.8	6.94
	18:45	2.16	1895	2.6	2.6	1.9	-5.6	0	-2.8	*	0.9	14.8	6.94
	19:00	3.16	1898	3.1	3.1	2.2	-5.6	0	-2.8	*	0.9	14.7	6.86
	19:15	-16	1	-6.8	*	2.4	-5.6	1	-2.8	*	0.9	14.7	6.8
	19:30	2.52	1911	2.8	2.8	2	-3.7	0	-0.8	*	0.9	14.7	6.79
	19:45	3.56	1898	3.3	3.3	2.3	-3.7	1	-0.8	*	0.9	14.7	6.79
	20:00	1.96	1918	2.5	2.5	1.8	-3.7	0	-0.8	*	0.9	14.7	6.77
	20:15	3.03	1906	3.1	3.1	2.2	-3.7	0	-0.8	*	0.9	14.7	6.79
	20:30	3.59	1524	2.6	2.6	2.4	-3.7	1	-0.8	*	0.9	14.8	6.78
	20:45	2.68	1898	2.9	2.9	2	-3.6	1	-0.8	*	0.9	14.8	6.8
	21:00	3.52	1906	3.3	3.3	2.3	-31	1	-14	*	0.9	14.8	6.79
	21:15	2.12	1982	2.6	2.6	2.4	-11	1	-4.6	*	0.9	14.8	6.78
	21:30	3.09	1893	3	3	2.1	-3.6	1	-0.8	*	0.9	14.9	6.86
	21:45	4.24	1885	3.4	3.4	2.4	-3.6	1	-0.8	*	0.9	14.9	6.85
	22:00	2.69	1894	2.8	2.8	1.9	-3.7	0	-0.8	*	0.9	14.9	6.87
	22:15	3.69	1895	3.3	3.3	2.3	-3.7	1	-0.8	*	0.9	14.9	6.86
	22:30	-4	1	-0.8	*	2.4	-3.7	1	-0.8	*	0.9	15	6.85
	22:45	3.05	1904	3	3	2.1	-35	1	-16	*	0.9	15	6.87
	23:00	3.81	1895	3.4	3.4	2.5	1.87	188	2.3	2.3	0.9	15	6.85
	23:15	2.41	1894	2.7	2.7	1.9	-30	1	-14	*	0.9	15.1	6.92
	23:30	3.23	1901	3.2	3.2	2.3	-0.2	0	1.2	1.2	0.9	15	6.9
	23:45	-2.2	1	-1.1	*	2.5	-0.2	1	1.2	1.2	0.9	15.1	6.87

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
3/1/2014	0:00	2.63	1905	2.9	2.9	2.1	-24	1	-11	*	0.9	15.1	6.9
	0:15	3.85	1895	3.4	3.4	2.4	-31	0	-14	*	0.9	15.1	6.89
	0:30	2.36	1890	2.7	2.7	1.9	1.93	1	2.2	2.2	0.9	15.1	6.92
	0:45	3.54	1889	3.2	3.2	2.3	0.73	1	1.6	1.6	0.9	15.1	6.9
	1:00	-3.4	1	-0.7	*	2.5	-0.4	1	1.1	1.1	0.9	15.1	6.89
	1:15	2.76	1896	2.9	2.9	2.1	-0.6	1	1	1	0.9	15.1	6.92
	1:30	2.63	1876	2.9	2.9	2.1	-1.9	1	-0.8	*	2.1	15.2	6.97
	1:45	2.24	1831	2.4	2.4	2.3	4.21	1895	3.6	3.6	2.6	15.2	6.93
	2:00	2.04	1860	2.3	2.3	1.7	5.85	1897	4.4	4.4	3.2	15.2	6.93
	2:15	2.24	1849	2.4	2.4	1.8	4.01	1896	3.5	3.5	2.5	15.2	6.95
	2:30	-4	1	-0.7	*	1.8	5.52	1895	4.3	4.3	3.1	15.2	6.94
	2:45	-4.5	1	-0.7	*	1.8	-4.1	1	-0.9	*	3.4	15.2	6.92
	3:00	1.36	1717	2.2	2.2	1.8	-4.7	1	-0.8	*	3.4	15.2	6.95
	3:15	1.72	1677	2.4	2.4	2	-4.7	1	-0.8	*	3.4	15.2	6.95
	3:30	-2.1	1	-0.7	*	2.2	2.95	1668	3.1	3.1	2.5	15.4	6.98
	3:45	1.36	1676	2.2	2.2	1.7	-4.6	1	-0.8	*	2.7	15.3	6.95
	4:00	1.96	1666	2.5	2.5	2.1	-4.6	1	-0.8	*	2.7	15.3	6.94
	4:15	1.01	1668	2	2	1.6	-4.7	0	-0.8	*	2.8	15.3	6.98
	4:30	1.56	1662	2.3	2.3	1.9	-4.7	1	-0.8	*	2.8	15.3	6.94
	4:45	-3.9	1	-0.8	*	2.1	3.39	1669	3.3	3.3	2.7	15.4	6.94
	5:00	1.36	1666	2.2	2.2	1.8	-4.6	0	-0.8	*	2.8	15.4	6.95
	5:15	1.92	1667	2.5	2.5	2	-4.6	1	-0.8	*	2.8	15.4	6.93
	5:30	0.56	1640	1.8	1.8	1.6	5.52	1484	3.5	3.5	3	15.4	6.94
	5:45	1.36	1668	2.2	2.2	1.8	-4.7	1	-0.8	*	3	15.5	6.97
	6:00	2.16	1663	2.6	2.6	2.1	-4.7	1	-0.8	*	3	15.4	6.94
	6:15	1.02	1672	1.9	1.9	1.6	-4.6	0	-0.8	*	2.6	15.5	6.98
	6:30	1.52	1658	2.3	2.3	1.9	-4.6	1	-0.8	*	2.6	15.5	6.94
	6:45	3.03	1645	2.6	2.6	2.1	2.75	1626	3	3	2.5	15.4	6.94
	7:00	1.16	1666	2.1	2.1	1.7	-4.8	1	-0.8	*	2.8	15.5	6.95
	7:15	1.76	1665	2.4	2.4	2	-4.8	1	-0.8	*	2.8	15.5	6.93
	7:30	-0.6	1	1.1	1.1	2.1	-4.7	333	-0.8	*	3	15.5	6.94
	7:45	1.56	1662	2.3	2.3	1.9	-4.8	1	-0.8	*	3	15.5	6.93
	8:00	2.16	1668	2.6	2.6	2.1	-4.8	1	-0.8	*	3	15.5	6.92
	8:15	1.21	1660	2.1	2.1	1.7	-2.2	1	-1.1	*	3	15.6	6.96
	8:30	1.29	1609	2.1	2.1	1.8	2.52	1610	2.8	2.8	2.4	15.6	6.96
	8:45	1.96	1664	2.5	2.5	2	-4.6	1	-0.8	*	2.6	15.5	6.94

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	1.08	1759	2.1	2.1	2.1	-4.6	0	-0.8	*	2.6	15.5	6.91
	9:15	1.72	1708	2.4	2.4	1.9	-4.6	0	-0.8	*	2.6	15.5	6.93
	9:30	2.19	1656	2.7	2.7	2.1	2.52	1598	2.8	2.8	2.6	15.5	6.91
	9:45	1.03	1668	2.1	2.1	1.7	-35	0	-16	*	2.8	15.6	6.95
	10:00	1.68	1665	2.4	2.4	2	-4.7	1	-0.8	*	8.2	15.6	6.92
	10:15	-2	1	-1	*	2.1	3.59	1667	3.4	3.4	2.8	15.6	6.9
	10:30	1.41	1668	2.2	2.2	1.8	-4.7	1	-0.8	*	2.9	15.6	6.93
	10:45	2.16	1664	2.6	2.6	2.1	-4.7	1	-0.8	*	2.9	15.6	6.91
	11:00	-4.4	1	-0.7	*	1.6	-4.6	1	-0.8	*	2.6	15.6	6.95
	11:15	1.81	1668	2.4	2.4	2	-4.6	1	-0.8	*	2.6	15.6	6.94
	11:30	2.42	1654	2.6	2.6	2.2	-4.6	1	-0.8	*	2.6	15.6	6.93
	11:45	-4.4	1	-0.7	*	1.7	-4.6	1	-0.8	*	2.9	15.7	6.95
	12:00	1.81	1657	2.4	2.4	2	-4.6	1	-0.8	*	2.9	15.7	6.92
	12:15	-18	1	-8.5	*	2.2	-4.6	0	-0.8	*	2.9	15.7	6.93
	12:30	1.36	1665	2.2	2.2	1.8	-4.7	1	-0.8	*	3	15.8	6.95
	12:45	1.96	1661	2.5	2.5	2.1	-4.7	1	-0.8	*	3	15.8	6.92
	13:00	0.81	1649	1.9	1.9	1.6	5.6	1649	3.8	3.8	3.2	15.9	6.93
	13:15	1.16	1661	2.1	2.1	1.8	-4.6	1	-0.8	*	3.2	16	6.95
	13:30	1.96	1665	2.5	2.5	2.1	-4.6	1	-0.8	*	3.2	16.1	6.94
	13:45	0.81	1650	1.9	1.9	1.6	3.21	1659	3.1	3.1	2.7	16.1	6.96
	14:00	1.41	1662	2.2	2.2	1.9	-4.6	1	-0.8	*	2.7	16.2	6.96
	14:15	1.96	1663	2.5	2.5	2.1	-4.6	0	-0.8	*	2.7	16.4	6.95
	14:30	0.92	1651	2	2	1.7	3.48	1663	3.3	3.3	2.8	16.4	6.98
	14:45	1.41	1663	2.2	2.2	1.9	-4.6	1	-0.8	*	3	16.5	6.96
	15:00	2.35	1651	2.5	2.5	2.1	-4.6	1	-0.8	*	3	16.6	6.95
	15:15	1.16	1667	2.1	2.1	1.8	-3	1	-1.5	*	3.1	16.6	6.96
	15:30	1.56	1661	2.3	2.3	1.9	-4.6	1	-0.8	*	3.1	16.6	6.95
	15:45	3.25	1646	2.6	2.6	2.2	2.28	1624	2.7	2.7	2.3	16.7	6.96
	16:00	1.16	1663	2.1	2.1	1.7	-4.6	1	-0.8	*	2.6	16.7	6.99
	16:15	1.72	1666	2.4	2.4	2	-4.6	1	-0.8	*	2.6	16.5	6.95
	16:30	0.79	1691	2	2	2.2	2.32	1581	2.7	2.7	2.6	16.4	6.93
	16:45	1.56	1667	2.3	2.3	1.9	-4.9	1	-0.8	*	2.7	16.4	6.97
	17:00	2.34	1653	2.6	2.6	2.2	2.12	1497	2.6	2.6	2.7	16.3	6.94
	17:15	1.16	1659	2.1	2.1	1.8	-4.9	1	-0.8	*	2.8	16.3	6.96
	17:30	1.96	1655	2.5	2.5	2.1	-4.9	1	-0.8	*	2.8	16.1	6.93
	17:45	-2.2	1	-1.1	*	2.2	3.99	1668	3.6	3.6	3	16.1	6.95

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	1.35	1672	2.3	2.3	1.9	-4.7	1	-0.8	*	3	15.9	6.95
	18:15	1.99	1677	2.6	2.6	2.2	-4.6	1	-0.8	*	3	15.8	6.94
	18:30	1.21	1669	2.1	2.1	1.7	-4.1	0	-0.9	*	3.1	15.9	6.97
	18:45	1.96	1666	2.5	2.5	2	-5	1	-0.8	*	3.1	15.7	6.95
	19:00	-24	1	-11	*	2.2	2.52	1574	2.8	2.8	2.6	15.8	6.96
	19:15	1.56	1661	2.3	2.3	1.9	-4.7	1	-0.8	*	2.7	15.7	6.96
	19:30	2.16	1663	2.6	2.6	2.2	2.85	1517	2.9	2.9	2.7	15.7	6.96
	19:45	-2.6	1	-1.3	*	2.2	-4.6	1	-0.8	*	2.8	15.7	6.96
	20:00	1.48	1665	2.3	2.3	1.9	-4.9	1	-0.8	*	2.9	15.7	6.99
	20:15	2.19	1672	2.7	2.7	2.1	-4.9	1	-0.8	*	2.9	15.7	6.96
	20:30	1.12	1668	2.1	2.1	1.7	-4.9	1	-0.8	*	3.2	15.7	6.99
	20:45	1.96	1665	2.5	2.5	2	-4.9	1	-0.8	*	3.2	15.7	6.94
	21:00	-10	1	-4.1	*	2.3	4.68	1634	3.9	3.9	3.3	15.7	6.95
	21:15	-4.5	1	-0.7	*	1.9	-4.6	1	-0.8	*	3.3	15.7	6.97
	21:30	1.96	1663	2.5	2.5	2.1	-4.6	1	-0.8	*	3.3	15.6	6.96
	21:45	-2	1	-0.7	*	2.2	-4.8	1	-0.8	*	2.8	15.7	7
	22:00	1.76	1661	2.4	2.4	1.9	-4.8	1	-0.8	*	2.8	15.6	6.98
	22:15	2.36	1666	2.7	2.7	2.2	-4.8	1	-0.8	*	2.8	15.6	6.97
	22:30	1.36	1663	2.2	2.2	1.8	-4.9	1	-0.8	*	3	15.6	7.01
	22:45	1.96	1662	2.5	2.5	2.1	-4.9	1	-0.8	*	3	15.5	6.97
	23:00	-3.9	1	-0.8	*	2.2	4.03	1666	3.6	3.6	3	15.5	6.97
	23:15	1.56	1665	2.3	2.3	1.9	-4.6	1	-0.8	*	3.4	15.5	6.99
	23:30	2.36	1667	2.7	2.7	2.2	-4.6	0	-0.8	*	3.4	15.5	6.98
	23:45	1.16	1661	2.1	2.1	1.7	-4.8	1	-0.8	*	3.3	15.5	6.99
3/2/2014	0:00	1.96	1665	2.5	2.5	2	-4.8	1	-0.8	*	3.3	15.4	6.98
	0:15	3.15	1505	2.4	2.4	2.2	1.76	1252	2.4	2.4	3.3	15.4	6.98
	0:30	-4.4	1	-0.7	*	1.9	-4.6	1	-0.8	*	3.3	15.5	7.02
	0:45	1.96	1664	2.5	2.5	2	-4.6	1	-0.8	*	3.3	15.4	6.98
	1:00	-2.7	1	-0.7	*	2.2	3.32	1660	3.2	3.2	2.6	15.3	6.95
	1:15	1.72	1664	2.4	2.4	1.9	-4.8	1	-0.8	*	2.7	15.3	6.94
	1:30	2.32	1664	2.7	2.7	2.2	-4.8	1	-0.8	*	2.7	15.3	6.91
	1:45	1.16	1669	2.1	2.1	1.7	-5	1	-0.8	*	2.9	15.3	6.96
	2:00	2.01	1664	2.5	2.5	2	-5	1	-0.8	*	2.9	15.2	6.92
	2:15	-25	1	-12	*	2.2	4.25	1667	3.6	3.6	2.9	15.2	6.91
	2:30	1.52	1666	2.3	2.3	1.9	-4.9	1	-0.8	*	3	15.2	6.93
	2:45	2.36	1663	2.7	2.7	2.2	-4.9	1	-0.8	*	3	15.2	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	1.25	1665	2.1	2.1	1.7	5.2	1653	3.9	3.9	3.2	15.3	6.92
	3:15	-0.6	1101	1.2	1.2	1.9	-4.6	1	-0.8	*	3.2	15.3	6.91
	3:30	1.99	1669	2.6	2.6	2.1	-4.6	1	-0.8	*	3.2	15.3	6.89
	3:45	1.34	1642	2.1	2.1	1.7	3.72	1659	3.4	3.4	2.8	15.3	6.93
	4:00	1.68	1671	2.4	2.4	2	-4.8	1	-0.8	*	2.8	15.3	6.9
	4:15	-33	1	-15	*	2.1	4.12	1662	3.6	3.6	2.9	15.2	6.89
	4:30	-4	1	-0.8	*	36.9	5.32	1668	4.2	4.2	3.5	15.2	6.9
	4:45	1.32	1664	2.2	2.2	1.8	-4.6	1	-0.8	*	2.5	15.2	6.97
	5:00	1.96	1664	2.5	2.5	2	-4.6	1	-0.8	*	2.5	15.1	6.93
	5:15	-2	1	-1	*	2.1	3.72	1664	3.4	3.4	2.8	15.1	6.94
	5:30	1.76	1672	2.4	2.4	2	-4.8	1	-0.8	*	2.8	15.1	6.94
	5:45	2.41	1662	2.7	2.7	2.2	-4.8	1	-0.8	*	2.8	15	6.93
	6:00	1.48	1667	2.3	2.3	1.8	-4.7	1	-0.8	*	2.8	15.1	7
	6:15	2.21	1667	2.6	2.6	2.1	-4.7	1	-0.8	*	2.8	14.9	6.95
	6:30	-4	1	-0.8	*	2.3	4.12	1665	3.6	3.6	2.9	14.9	6.93
	6:45	1.76	1663	2.4	2.4	1.9	-4.8	1	-0.8	*	3	14.9	6.94
	7:00	2.36	1655	2.7	2.7	2.2	0.03	565	1.6	1.6	3	14.9	6.92
	7:15	-4.5	1	-0.7	*	2.2	5.31	1512	3.5	3.5	3.2	14.9	6.94
	7:30	1.96	1665	2.5	2.5	2	-4.8	1	-0.8	*	3.2	14.9	6.94
	7:45	2.61	1671	2.8	2.8	2.2	-4.8	1	-0.8	*	3.2	14.8	6.93
	8:00	1.56	1669	2.3	2.3	1.8	-4.7	0	-0.8	*	2.8	14.9	6.99
	8:15	2.16	1661	2.6	2.6	2.1	-4.7	1	-0.8	*	2.8	14.8	6.95
	8:30	-2.4	1	-1.2	*	2.3	-4.7	1	-0.8	*	2.8	14.7	6.95
	8:45	1.79	1671	2.5	2.5	2	-4.8	1	-0.8	*	2.8	14.7	6.97
	9:00	2.23	1673	2.7	2.7	2.2	-4.8	1	-0.8	*	2.8	14.7	6.94
	9:15	1.45	1663	2.2	2.2	1.8	-4.8	1	-0.8	*	3.1	14.8	6.96
	9:30	2.21	1661	2.6	2.6	2	0.52	1079	1.8	1.8	3.1	14.7	6.93
	9:45	-2.7	79	-0.7	*	2.3	3.82	1756	3.3	3.3	2.5	14.7	6.93
	10:00	1.89	1659	2.4	2.4	2	-4.9	1	-0.8	*	2.6	14.7	6.98
	10:15	2.49	1658	2.7	2.7	2.2	-4.9	1	-0.8	*	2.6	14.6	6.98
	10:30	1.08	1622	2.1	2.1	2.3	-4.9	0	-0.8	*	2.6	14.6	6.96
	10:45	1.79	1666	2.5	2.5	2	-4.8	0	-0.8	*	2.5	14.6	6.92
	11:00	3	1653	2.8	2.8	2.3	-3.5	1	-0.8	*	2.5	14.6	6.92
	11:15	1.61	1659	2.3	2.3	1.9	-2.1	1	-0.8	*	2.6	14.6	6.92
	11:30	2.39	1523	2.3	2.3	2.1	1.21	1374	2.3	2.3	2.6	14.5	6.92
	11:45	2.64	1844	2.6	2.6	1.9	4.39	1669	3.8	3.8	3	14.5	6.94

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	-4	1	-0.7	*	1.9	2.55	1622	2.9	2.9	3.2	14.5	6.91
	12:15	-4	1	-0.7	*	1.9	4.39	1667	3.8	3.8	3	14.5	6.96
	12:30	-3.1	1	-0.7	*	1.7	5.69	1661	4.3	4.3	3.4	14.3	6.94
	12:45	-4.4	1	-0.7	*	1.7	-4.6	1	-0.8	*	2.7	14.4	6.98
	13:00	2.36	1783	2.7	2.7	2	-4.5	0	-0.8	*	2.7	14.3	7.01
	13:15	2.36	1642	2.7	2.7	2.2	-4.5	0	-0.8	*	2.7	14.2	7.02
	13:30	1.36	1671	2.2	2.2	1.7	-4.9	0	-0.8	*	2.8	14.3	7.03
	13:45	1.96	1668	2.5	2.5	2	-4.9	0	-0.8	*	2.8	14.2	6.98
	14:00	-9.7	1	-3.7	*	2.2	4.25	1664	3.6	3.6	2.9	14.1	6.98
	14:15	1.56	1662	2.3	2.3	1.8	-4.6	1	-0.8	*	3.1	14.2	7.02
	14:30	1.96	1662	2.5	2.5	2	-4.6	1	-0.8	*	3.1	14.1	7
	14:45	-1.7	1	-0.7	*	2.2	4.81	1658	3.9	3.9	3.1	14.1	6.99
	15:00	1.96	1665	2.5	2.5	1.9	-4.7	1	-0.8	*	3.3	14	7.01
	15:15	2.36	1663	2.7	2.7	2.1	-4.7	1	-0.8	*	3.3	13.9	6.99
	15:30	-2.6	1	-1.3	*	2.3	3.08	1641	3.1	3.1	2.5	14	6.99
	15:45	1.81	1662	2.4	2.4	1.8	-4.6	1	-0.8	*	2.6	14	7.03
	16:00	2.16	1664	2.6	2.6	2.1	-4.6	0	-0.8	*	2.6	13.9	7.01
	16:15	0.56	1493	1.8	1.8	2.2	4.36	1662	3.7	3.7	2.9	14	7.02
	16:30	1.72	1662	2.4	2.4	1.9	-4.6	1	-0.8	*	3	13.9	7.01
	16:45	2.52	1667	2.8	2.8	2.2	-4.6	0	-0.8	*	3	13.8	7.01
	17:00	1.36	1661	2.2	2.2	1.7	-4.8	0	-0.8	*	3.2	13.8	7.02
	17:15	2.16	1669	2.6	2.6	2	-4.8	0	-0.8	*	3.2	13.7	7
	17:30	4.21	1477	2.8	2.8	2.2	4.68	1664	3.9	3.9	3.1	13.7	7
	17:45	-4.3	1	-0.7	*	1.9	-4.5	1	-0.8	*	3.3	13.7	7.03
	18:00	2.12	1666	2.6	2.6	2.1	-4.5	0	-0.8	*	3.3	13.6	7.02
	18:15	-10	1	-4	*	2.2	4.12	1669	3.6	3.6	2.8	13.7	7.04
	18:30	1.81	1657	2.4	2.4	1.9	-4.6	0	-0.8	*	2.9	13.5	7.05
	18:45	2.36	1660	2.7	2.7	2.1	4.28	1653	3.7	3.7	2.9	13.5	7.01
	19:00	-2.4	1	-1.2	*	2.2	4.76	1667	3.9	3.9	3	13.5	7.01
	19:15	1.76	1664	2.4	2.4	1.9	-4.6	1	-0.8	*	3.2	13.4	7.02
	19:30	2.61	1661	2.8	2.8	2.1	-4.6	0	-0.8	*	3.2	13.4	7.01
	19:45	0.76	1447	1.9	1.9	2.3	5.78	1654	4.3	4.3	3.3	13.4	7.01
	20:00	1.81	1657	2.4	2.4	1.9	-4.5	0	-0.8	*	3.3	13.3	7.01
	20:15	2.61	1661	2.8	2.8	2.2	-4.5	1	-0.8	*	3.3	13.3	7
	20:30	1.52	1662	2.3	2.3	1.8	-4.8	1	-0.8	*	2.8	13.3	7.01
	20:45	2.12	1668	2.6	2.6	2	-4.8	0	-0.8	*	2.8	13.2	7.01

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	21:00	3.63	1645	2.9	2.9	2.3	4.25	1650	3.6	3.6	2.8	13.2	6.99
	21:15	1.96	1661	2.5	2.5	1.9	-4.8	1	-0.8	*	3.1	13.1	7.02
	21:30	2.56	1668	2.8	2.8	2.2	-4.8	1	-0.8	*	3.1	13.1	6.99
	21:45	-4	1	-0.7	*	2.3	5.65	1661	4.3	4.3	3.3	13.1	7.01
	22:00	1.81	1656	2.4	2.4	1.9	6.45	1645	4.2	4.2	3.3	13.1	7.03
	22:15	2.41	1662	2.7	2.7	2.1	-4.6	1	-0.8	*	3.3	13	7.02
	22:30	4.41	1476	2.9	2.9	2.3	3.88	1659	3.5	3.5	2.7	12.9	7.02
	22:45	2.16	1661	2.6	2.6	2	-4.8	1	-0.8	*	2.9	12.9	7.02
	23:00	2.76	1664	2.9	2.9	2.2	-4.8	1	-0.8	*	2.9	12.8	7
	23:15	1.36	1622	2.2	2.2	2.3	5.21	1659	4.1	4.1	3.2	12.8	7
	23:30	2.36	1667	2.7	2.7	2.1	-4.7	0	-0.8	*	3.2	12.8	7
	23:45	3.42	1660	3.1	3.1	2.3	-4.7	0	-0.8	*	3.2	12.7	7
3/3/2014	0:00	2.21	1657	2.6	2.6	2	-4.6	1	-0.8	*	3.1	12.8	7.05
	0:15	2.89	1659	2.9	2.9	2.2	-4.6	0	-0.8	*	3.1	12.6	7.01
	0:30	-2	1	-0.6	*	2.3	5.39	1668	4.3	4.3	3.3	12.7	7
	0:45	2.49	1656	2.7	2.7	2.1	-4.7	1	-0.8	*	3.3	12.6	6.99
	1:00	3.25	1662	3.1	3.1	2.3	-4.7	0	-0.8	*	3.3	12.5	6.98
	1:15	2.09	1657	2.5	2.5	1.9	-2.8	1	-1.3	*	3.5	12.6	7
	1:30	2.76	1663	2.9	2.9	2.2	-4.7	1	-0.8	*	3.5	12.5	6.98
	1:45	-3.7	1	-0.7	*	2.4	4.21	1663	3.6	3.6	2.7	12.4	6.98
	2:00	2.36	1667	2.7	2.7	2	-4.7	0	-0.8	*	2.9	12.4	7.01
	2:15	3.16	1668	3.1	3.1	2.3	-4.7	0	-0.8	*	2.9	12.4	6.98
	2:30	2.05	1655	2.5	2.5	1.9	-4.7	0	-0.8	*	2.9	12.4	7.01
	2:45	2.89	1661	2.9	2.9	2.2	-4.7	1	-0.8	*	2.9	12.3	6.99
	3:00	-2.5	188	-0.6	*	2.4	4.72	1653	3.9	3.9	2.9	12.3	6.97
	3:15	2.49	1664	2.7	2.7	2	-4.8	0	-0.8	*	3.4	12.3	7
	3:30	3.08	1674	3.1	3.1	2.3	-4.8	0	-0.8	*	3.4	12.1	6.98
	3:45	2.01	1652	2.5	2.5	1.9	-5	1	-0.8	*	3.3	12.2	6.98
	4:00	2.81	1661	2.9	2.9	2.2	-5	0	-0.8	*	3.3	12.1	6.98
	4:15	4.3	1653	3.3	3.3	2.5	4.96	1516	4	4	3.3	12.1	6.96
	4:30	2.21	1661	2.6	2.6	2	-5	0	-1.1	*	3.5	12.2	6.99
	4:45	2.96	1663	3	3	2.3	-4.6	1	-0.8	*	3.5	12	6.96
	5:00	-3.9	1	-0.8	*	2.5	4.85	1659	3.9	3.9	3	12.1	6.99
	5:15	2.56	1664	2.8	2.8	2	-4.7	0	-0.8	*	3.2	12	6.99
	5:30	3.21	1657	3.1	3.1	2.3	-4.7	1	-0.8	*	3.2	11.9	6.97
	5:45	-3.9	1	-0.7	*	2.5	5.59	1671	4.4	4.4	3.3	11.9	6.96

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	2.81	1662	2.9	2.9	2.2	-4.6	0	-0.8	*	3.3	11.8	6.95
	6:15	3.52	1664	3.3	3.3	2.4	-6.2	0	-1.6	*	3.3	11.8	6.94
	6:30	1.98	1554	2.4	2.4	1.9	-4.6	0	-0.8	*	3.5	11.9	6.99
	6:45	2.96	1662	3	3	2.3	-4.6	0	-0.8	*	3.5	11.8	6.95
	7:00	4.13	1534	3	3	2.5	5.96	1655	4.5	4.5	3.4	11.8	6.95
	7:15	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.7	11.8	6.96
	7:30	2.96	1664	3	3	2.3	-4.6	0	-0.8	*	3.7	11.7	6.94
	7:45	-3.9	1	-0.8	*	2.5	5.05	1661	4	4	2.9	11.7	6.96
	8:00	2.76	1659	2.9	2.9	2.2	-4.6	0	-0.8	*	3.1	11.6	6.98
	8:15	3.56	1663	3.3	3.3	2.4	-4.6	0	-0.8	*	3.1	11.5	6.96
	8:30	2.41	1661	2.7	2.7	2	-4.8	0	-0.8	*	3.3	11.5	6.99
	8:45	3.16	1665	3.1	3.1	2.3	-4.8	0	-0.8	*	3.3	11.4	6.99
	9:00	4.33	1527	3.1	3.1	2.5	-4.8	0	-0.8	*	3.3	11.3	6.99
	9:15	2.56	1664	2.8	2.8	2.1	-4.7	0	-0.8	*	3.4	11.5	7.02
	9:30	3.56	1663	3.3	3.3	2.4	-4.7	0	-0.8	*	3.4	11.3	6.99
	9:45	1.08	1419	2.1	2.1	2.5	-4.7	0	-0.8	*	3.4	11.4	6.99
	10:00	2.92	1663	3	3	2.2	-4.7	0	-0.8	*	3.4	11.3	6.99
	10:15	3.96	1660	3.5	3.5	2.6	-4.7	0	-0.8	*	3.4	11.3	6.94
	10:30	-4.4	1	-0.7	*	2	-4.6	0	-0.8	*	3.5	11.4	6.94
	10:45	3.21	1668	3.1	3.1	2.3	-4.6	1	-0.8	*	3.5	11.3	6.92
	11:00	-3.9	1	-0.8	*	2.5	4.76	1668	3.9	3.9	2.9	11.4	6.93
	11:15	2.61	1661	2.8	2.8	2.1	5.56	1654	4.3	4.3	3.2	11.4	6.93
	11:30	2.96	1663	3	3	2.3	-4.6	0	-0.8	*	3.3	11.4	6.92
	11:45	-2.7	191	-0.7	*	2.5	-6	0	-1.5	*	3.3	11.4	6.93
	12:00	2.76	1665	2.9	2.9	2.1	-4.8	0	-0.8	*	3.5	11.5	6.93
	12:15	3.56	1662	3.3	3.3	2.4	-4.8	1	-0.8	*	3.5	11.4	6.91
	12:30	2.29	1644	2.6	2.6	1.9	5.92	1646	4.5	4.5	3.3	11.5	6.9
	12:45	-4.4	1	-0.7	*	2.2	-4.6	0	-0.8	*	3.6	11.5	6.93
	13:00	3.52	1663	3.3	3.3	2.4	-4.6	0	-0.8	*	3.6	11.5	6.91
	13:15	2.36	1664	2.7	2.7	2	-4.8	0	-0.8	*	3.1	11.6	6.95
	13:30	3.16	1662	3.1	3.1	2.3	-4.8	0	-0.8	*	3.1	11.6	6.91
	13:45	-3.9	1	-0.8	*	2.5	-4.8	1	-0.8	*	3.1	11.6	6.92
	14:00	2.63	1671	2.9	2.9	2.1	-4.8	0	-0.8	*	3.1	11.7	6.95
	14:15	-36	1	-17	*	2.4	-4.8	0	-0.8	*	3.1	11.7	6.95
	14:30	2.52	1604	2.8	2.8	3535	5.72	1658	4.4	4.4	3.3	11.7	6.96
	14:45	2.32	1667	2.7	2.7	2	-4.8	1	-0.8	*	3.8	11.8	6.96

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	3.16	1658	3.1	3.1	2.3	-4.8	0	-0.8	*	3.8	11.7	6.92
	15:15	-3.9	1	-0.8	*	2.5	6.92	1667	5	5	3.7	11.8	6.93
	15:30	-4.3	1	-0.7	*	2.1	-4.5	1	-0.8	*	3.9	11.7	6.93
	15:45	3.16	1662	3.1	3.1	2.3	-4.5	1	-0.8	*	3.9	11.7	6.94
	16:00	-3.9	1	-0.8	*	2.5	5.16	1665	4.1	4.1	3	11.7	6.95
	16:15	2.76	1663	2.9	2.9	2.2	-4.6	0	-0.8	*	3.1	11.7	6.95
	16:30	3.52	1664	3.3	3.3	2.4	-4.6	0	-0.8	*	3.1	11.6	6.94
	16:45	2.36	1664	2.7	2.7	2	-4.8	0	-0.8	*	3.4	11.6	6.94
	17:00	3.36	1662	3.2	3.2	2.3	-4.8	0	-0.8	*	3.4	11.5	6.93
	17:15	4.55	1502	3.1	3.1	2.6	5.88	1662	4.5	4.5	3.3	11.5	6.93
	17:30	2.76	1661	2.9	2.9	2.1	-4.7	0	-0.8	*	3.6	11.5	6.93
	17:45	3.56	1665	3.3	3.3	2.5	-4.7	0	-0.8	*	3.6	11.5	6.91
	18:00	1.28	1387	2.2	2.2	2.5	-4.8	0	-0.8	*	3.5	11.4	6.92
	18:15	3.21	1663	3.1	3.1	2.3	-4.8	0	-0.8	*	3.5	11.3	6.93
	18:30	4.01	1661	3.5	3.5	2.5	6.31	1605	4.5	4.5	3.5	11.3	6.92
	18:45	-3.8	1	-0.7	*	2.7	-4.8	0	-0.8	*	3.1	11.4	6.93
	19:00	3.16	1663	3.1	3.1	2.3	-4.8	0	-0.8	*	3.1	11.2	6.92
	19:15	4.16	1650	3.6	3.6	2.6	1.39	349	2.3	2.3	3.1	11.1	6.92
	19:30	2.81	1665	2.9	2.9	2.1	-4.7	1	-0.8	*	3.3	11.1	6.93
	19:45	3.56	1664	3.3	3.3	2.4	-4.7	0	-0.8	*	3.3	11	6.89
	20:00	-3.2	1	-0.6	*	2.6	6.52	1660	4.8	4.8	3.5	11	6.87
	20:15	2.96	1660	3	3	2.2	-4.6	0	-0.8	*	3.6	11	6.91
	20:30	3.72	1669	3.4	3.4	2.5	-4.6	0	-0.8	*	3.6	11	6.89
	20:45	-3.9	1	-0.7	*	2.6	7.56	1664	5.3	5.3	3.8	11.1	6.89
	21:00	2.76	1641	2.9	2.9	2.1	-4.5	0	-0.8	*	3.8	11	6.88
	21:15	3.76	1662	3.4	3.4	2.5	-4.5	1	-0.8	*	3.8	11	6.87
	21:30	3.4	1792	3	3	2.5	8.52	1902	5.8	5.8	3.7	11.1	6.88
	21:45	3.4	1794	3	3	2	10.5	1894	6.8	6.8	4.4	11	6.87
	22:00	-4	1	-0.7	*	2.1	7.43	1900	5.3	5.3	3.4	11.1	6.89
	22:15	-4	1	-0.7	*	2	9.65	1891	6.3	6.3	4.1	11	6.89
	22:30	1.45	1514	2.2	2.2	2	-4.1	0	-0.9	*	4.5	11	6.88
	22:45	2.36	1663	2.7	2.7	2	-4.8	0	-0.8	*	3.4	11	6.9
	23:00	3.16	1665	3.1	3.1	2.3	-4.8	0	-0.8	*	3.4	11	6.89
	23:15	-26	1	-12	*	2.5	6.21	1659	4.6	4.6	3.4	11	6.89
	23:30	2.56	1673	2.8	2.8	2	-4.7	1	-0.8	*	3.5	11	6.9
	23:45	3.52	1662	3.3	3.3	2.4	-4.7	0	-0.8	*	3.5	11	6.88

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
3/4/2014	0:00	2.25	1658	2.6	2.6	1.9	-4.7	0	-0.8	*	3.7	11.1	6.89
	0:15	3.16	1663	3.1	3.1	2.2	-4.7	1	-0.8	*	3.7	11	6.89
	0:30	4.66	1654	3.5	3.5	2.5	6.08	1608	4.6	4.6	3.7	11	6.89
	0:45	-4.2	1	-0.7	*	2.1	-4.2	0	-0.8	*	3.9	11	6.89
	1:00	2.96	1671	3	3	2.2	-4.5	1	-0.8	*	3.9	11	6.89
	1:15	4.67	1644	3.4	3.4	2.5	5.21	1632	4.1	4.1	3	11	6.89
	1:30	2.76	1667	2.9	2.9	2.1	-4.6	0	-0.8	*	3.3	11	6.91
	1:45	3.41	1664	3.2	3.2	2.3	-4.6	0	-0.8	*	3.3	11	6.88
	2:00	0.45	297	1.7	1.7	2.5	6.36	1639	4.7	4.7	3.4	11	6.88
	2:15	2.96	1661	3	3	2.2	-4.8	0	-0.8	*	3.4	11	6.88
	2:30	3.76	1661	3.4	3.4	2.5	-4.8	0	-0.8	*	3.4	11	6.87
	2:45	2.56	1663	2.8	2.8	2	-4.9	0	-0.8	*	3.5	11	6.9
	3:00	3.36	1662	3.2	3.2	2.3	-4.9	0	-0.8	*	3.5	11	6.87
	3:15	-2.6	1	-1.3	*	2.5	6.75	1671	5	5	3.6	11	6.85
	3:30	3.01	1671	3	3	2.2	-5	0	-0.8	*	3.7	11	6.86
	3:45	3.81	1661	3.4	3.4	2.4	-5	0	-0.8	*	3.7	10.9	6.84
	4:00	2.32	1647	2.7	2.7	2	-6.5	0	-2.1	*	3.9	11	6.85
	4:15	3.01	1664	3	3	2.2	-4.6	0	-0.8	*	3.9	11	6.84
	4:30	3.89	1659	3.4	3.4	2.4	1.81	1145	2.4	2.4	3.9	10.9	6.83
	4:45	2.76	1660	2.9	2.9	2.1	-4.8	0	-0.8	*	3.3	11	6.86
	5:00	3.36	1663	3.2	3.2	2.4	-4.8	0	-0.8	*	3.3	10.9	6.82
	5:15	-1.8	1	-0.7	*	2.5	6.59	1666	4.9	4.9	3.6	11	6.83
	5:30	2.96	1663	3	3	2.1	-4.6	0	-0.8	*	3.6	10.9	6.83
	5:45	3.76	1662	3.4	3.4	2.5	-4.6	0	-0.8	*	3.6	10.9	6.82
	6:00	2.56	1661	2.8	2.8	2	-4.8	0	-0.8	*	3.7	10.9	6.86
	6:15	3.36	1666	3.2	3.2	2.3	-4.8	0	-0.8	*	3.7	10.9	6.82
	6:30	-4	1	-0.8	*	2.4	7.16	1669	5.1	5.1	3.7	10.9	6.82
	6:45	-4.3	1	-0.7	*	2.1	-4.5	0	-0.8	*	3.9	10.9	6.83
	7:00	3.36	1663	3.2	3.2	2.3	-4.5	0	-0.8	*	3.9	10.9	6.82
	7:15	-3.8	1	-0.7	*	2.5	5.65	1658	4.3	4.3	3.1	10.9	6.83
	7:30	2.96	1666	3	3	2.2	-4.9	0	-0.8	*	3.2	10.9	6.82
	7:45	3.61	1664	3.3	3.3	2.4	-4.9	0	-0.8	*	3.2	10.9	6.81
	8:00	2.65	1661	2.8	2.8	2	-5	0	-0.8	*	3.4	10.9	6.83
	8:15	3.23	1674	3.2	3.2	2.2	-4.9	0	-0.8	*	3.4	10.8	6.81
	8:30	-14	1	-5.9	*	2.5	6.48	1638	4.8	4.8	3.5	10.8	6.81
	8:45	2.96	1667	3	3	2.2	-4.7	1	-0.8	*	3.6	10.8	6.83

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	3.76	1664	3.4	3.4	2.4	-4.7	0	-0.8	*	3.6	10.8	6.82
	9:15	2.54	1661	2.7	2.7	2	-4.8	0	-0.8	*	3.7	10.9	6.82
	9:30	3.12	1668	3.1	3.1	2.2	-4.8	0	-0.8	*	3.7	10.8	6.82
	9:45	4.74	1653	3.5	3.5	2.5	6.81	1653	4.9	4.9	3.7	10.9	6.82
	10:00	2.89	1658	2.9	2.9	2.1	-4.2	0	-0.8	*	3.9	10.9	6.83
	10:15	3.16	1670	3.1	3.1	2.3	-4.4	0	-0.8	*	3.9	10.9	6.83
	10:30	-13	1	-5.2	*	2.5	5.19	1676	4.2	4.2	3.1	11	6.83
	10:45	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.3	11	6.85
	11:00	3.36	1659	3.2	3.2	2.3	-4.7	1	-0.8	*	3.3	11	6.84
	11:15	-4	1	-0.8	*	2.4	-4.7	0	-0.8	*	3.3	11	6.83
	11:30	-6.1	1	-1.5	*	2.1	-4.6	0	-0.8	*	3.4	11.1	6.86
	11:45	3.36	1662	3.2	3.2	2.3	-4.6	0	-0.8	*	3.4	11.1	6.84
	12:00	-0.1	1015	1.5	1.5	2.5	6.12	1662	4.6	4.6	3.4	11.2	6.83
	12:15	2.96	1670	3	3	2.2	-4.8	0	-0.8	*	3.5	11.2	6.84
	12:30	-2.4	1	-1.2	*	2.4	6.45	1656	4.7	4.7	3.4	11.2	6.82
	12:45	2.76	1664	2.9	2.9	2.2	-4.9	0	-0.8	*	3.5	11.3	6.85
	13:00	3.52	1664	3.3	3.3	2.4	-4.9	0	-0.8	*	3.5	11.4	6.83
	13:15	2.32	1669	2.7	2.7	2	-4.1	0	-0.9	*	3.7	11.4	6.85
	13:30	2.96	1664	3	3	2.2	-4.6	0	-0.8	*	3.7	11.5	6.84
	13:45	3.41	1661	3.2	3.2	2.4	-4.6	0	-0.8	*	3.7	11.6	6.84
	14:00	2.52	1663	2.8	2.8	2.1	-4.8	0	-0.8	*	3.2	11.7	6.87
	14:15	3.21	1670	3.1	3.1	2.3	-4.8	0	-0.8	*	3.2	11.8	6.84
	14:30	-2.4	1	-1.2	*	2.4	-4.8	0	-0.8	*	3.2	11.9	6.83
	14:45	2.72	1664	2.9	2.9	2.2	5.56	1658	4.3	4.3	3.2	11.9	6.87
	15:00	2.85	1640	2.9	2.9	2.4	6.08	1654	4.6	4.6	3.6	11.8	6.83
	15:15	-4	1	-0.8	*	2.4	1.41	988	2.2	2.2	3.5	11.9	6.83
	15:30	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.6	11.9	6.86
	15:45	3.21	1666	3.1	3.1	2.3	-4.6	0	-0.8	*	3.6	11.8	6.86
	16:00	-3.9	1	-0.7	*	2.4	5.76	1668	4.4	4.4	3.2	11.8	6.87
	16:15	3.21	1666	3.1	3.1	2.3	-4.8	0	-0.8	*	3.3	11.7	6.85
	16:30	3.52	1663	3.3	3.3	2.4	-4.8	0	-0.8	*	3.3	11.6	6.84
	16:45	2.56	1661	2.8	2.8	2.1	-4.9	0	-0.8	*	3.5	11.6	6.88
	17:00	3.16	1670	3.1	3.1	2.3	-4.9	0	-0.8	*	3.5	11.5	6.84
	17:15	-2.7	1	-0.9	*	2.5	6.68	1660	4.9	4.9	3.6	11.5	6.83
	17:30	2.96	1661	3	3	2.2	-4.6	0	-0.8	*	3.7	11.4	6.84
	17:45	3.56	1661	3.3	3.3	2.5	-4.6	0	-0.8	*	3.7	11.4	6.83

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	2.61	1667	2.8	2.8	2	-4.8	0	-0.8	*	3.8	11.4	6.86
	18:15	3.41	1664	3.2	3.2	2.3	-4.8	0	-0.8	*	3.8	11.4	6.83
	18:30	-28	1	-13	*	2.5	6.88	1670	5	5	3.7	11.4	6.84
	18:45	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.9	11.4	6.85
	19:00	3.32	1668	3.2	3.2	2.4	-4.6	0	-0.8	*	3.9	11.4	6.83
	19:15	-2.2	1	-1.1	*	2.5	5.92	1665	4.5	4.5	3.3	11.5	6.84
	19:30	2.96	1663	3	3	2.2	-4.8	0	-0.8	*	3.4	11.4	6.83
	19:45	3.76	1667	3.4	3.4	2.5	-4.8	1	-0.8	*	3.4	11.4	6.81
	20:00	2.56	1661	2.8	2.8	2.1	-4.6	0	-0.8	*	3.5	11.5	6.86
	20:15	3.36	1663	3.2	3.2	2.3	-4.6	0	-0.8	*	3.5	11.5	6.82
	20:30	-4	1	-0.8	*	2.5	6.72	1668	4.9	4.9	3.6	11.5	6.83
	20:45	2.96	1666	3	3	2.2	-4.8	0	-0.8	*	3.7	11.5	6.83
	21:00	3.52	1666	3.3	3.3	2.5	-4.8	0	-0.8	*	3.7	11.5	6.82
	21:15	2.45	1661	2.7	2.7	2	7.09	1557	4.5	4.5	3.9	11.6	6.82
	21:30	2.76	1659	2.9	2.9	2.1	-4.5	0	-0.8	*	3.9	11.6	6.83
	21:45	3.56	1670	3.3	3.3	2.4	-4.5	0	-0.8	*	3.9	11.6	6.84
	22:00	2.56	1663	2.8	2.8	2.1	-4.8	0	-0.8	*	3.4	11.7	6.86
	22:15	3.36	1663	3.2	3.2	2.3	-4.7	1	-0.8	*	3.4	11.6	6.84
	22:30	4.55	1505	3.1	3.1	2.5	5.96	1654	4.5	4.5	3.4	11.6	6.84
	22:45	2.96	1660	3	3	2.2	-4.7	0	-0.8	*	3.6	11.6	6.85
	23:00	3.56	1663	3.3	3.3	2.4	-4.7	0	-0.8	*	3.6	11.7	6.83
	23:15	-5.5	540	-1.3	*	2.5	-4.6	76	-0.8	*	3.7	11.7	6.84
	23:30	2.72	1664	2.9	2.9	2.2	-4.6	0	-0.8	*	3.7	11.7	6.85
	23:45	3.72	1663	3.4	3.4	2.5	-4.6	0	-0.8	*	3.7	11.7	6.84
3/5/2014	0:00	2.36	1664	2.7	2.7	2	11.1	1441	6.2	6.2	3.9	11.7	6.85
	0:15	2.92	1667	3	3	2.2	-4.6	0	-0.8	*	3.9	11.7	6.84
	0:30	1.54	1	2.2	2.2	2.2	6.72	1665	4.9	4.9	3.6	11.7	6.86
	0:45	-4.7	1	-0.7	*	2.2	7.72	1664	5.4	5.4	4	11.7	6.86
	1:00	2.56	1663	2.8	2.8	2.1	-3.8	0	-0.8	*	4.4	11.8	6.87
	1:15	2.96	1663	3	3	2.2	-4.5	1	-0.8	*	4.4	11.8	6.86
	1:30	3.89	1660	3.4	3.4	2.5	-4.5	0	-0.8	*	4.4	11.7	6.86
	1:45	2.48	1666	2.8	2.8	2.1	-4.8	0	-0.8	*	3.3	11.8	6.88
	2:00	3.45	1658	3.2	3.2	2.4	-4.8	0	-0.8	*	3.3	11.8	6.84
	2:15	-2	1	-1	*	2.6	6.28	1665	4.7	4.7	3.5	11.8	6.84
	2:30	2.72	1662	2.9	2.9	2.2	-4.8	0	-0.8	*	3.5	11.8	6.84
	2:45	3.61	1659	3.3	3.3	2.5	-4.8	0	-0.8	*	3.5	11.8	6.83

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	2.43	1669	2.8	2.8	2.1	-4.7	0	-0.8	*	3.6	11.9	6.88
	3:15	3.08	1665	3.1	3.1	2.3	-4.7	1	-0.8	*	3.6	11.9	6.83
	3:30	-4	1	-0.8	*	2.5	6.63	1670	4.9	4.9	3.7	11.9	6.82
	3:45	2.76	1664	2.9	2.9	2.2	-5	1	-0.8	*	3.8	11.9	6.83
	4:00	3.52	1670	3.3	3.3	2.4	-5	0	-0.8	*	3.8	11.9	6.82
	4:15	2.48	1669	2.8	2.8	2.1	7.91	1509	4.8	4.8	3.9	11.9	6.83
	4:30	2.81	1659	2.9	2.9	2.2	-4.6	0	-0.8	*	3.9	12	6.85
	4:45	3.61	1661	3.3	3.3	2.5	-4.6	0	-0.8	*	3.9	11.9	6.84
	5:00	2.61	1662	2.8	2.8	2.1	-4.8	0	-0.8	*	3.4	12	6.89
	5:15	3.36	1668	3.2	3.2	2.3	-4.8	0	-0.8	*	3.4	11.9	6.85
	5:30	-3.7	1	-0.7	*	2.5	6.32	1660	4.7	4.7	3.5	11.9	6.84
	5:45	2.85	1664	2.9	2.9	2.2	-4.7	1	-0.8	*	3.5	12	6.85
	6:00	3.63	1674	3.4	3.4	2.5	-4.7	0	-0.8	*	3.5	12	6.83
	6:15	2.49	1663	2.7	2.7	2.1	-4.8	0	-0.8	*	3.5	12	6.86
	6:30	3.12	1674	3.1	3.1	2.3	-4.8	0	-0.8	*	3.5	12	6.84
	6:45	-27	1	-13	*	2.5	6.32	1722	4.7	4.7	3.4	12	6.83
	7:00	-4.5	1	-0.7	*	2.2	-4.6	1	-0.8	*	3.9	12	6.85
	7:15	3.12	1665	3.1	3.1	2.4	-4.6	1	-0.8	*	3.9	12	6.83
	7:30	3.2	1795	2.9	2.9	2.5	6.16	1668	4.6	4.6	3.4	12.2	6.85
	7:45	-4	1	-0.7	*	2.2	7.32	1662	5.2	5.2	3.9	12.1	6.84
	8:00	3.2	1800	2.9	2.9	2	-3.2	0	-0.8	*	4.2	12.1	6.81
	8:15	3.6	1860	3.1	3.1	2.1	6.72	1661	4.9	4.9	3.7	12.1	6.87
	8:30	-27	1	-14	*	2	7.92	1662	5.5	5.5	4.1	12.1	6.87
	8:45	2.56	1669	2.8	2.8	2.1	-4.8	0	-0.8	*	4.1	12.2	6.93
	9:00	2.96	1661	3	3	2.3	-4.8	1	-0.8	*	4.1	12.1	6.92
	9:15	-2.5	1	-1	*	2.5	5.83	1662	4.5	4.5	3.4	12.2	6.93
	9:30	2.56	1667	2.8	2.8	2.1	-4.6	0	-0.8	*	3.5	12.2	6.97
	9:45	3.16	1666	3.1	3.1	2.3	-4.6	0	-0.8	*	3.5	12.1	6.94
	10:00	0.56	1268	1.8	1.8	2.4	6.72	1657	4.9	4.9	3.7	12.2	6.93
	10:15	2.76	1660	2.9	2.9	2.2	-4.8	0	-0.8	*	3.7	12.2	6.87
	10:30	3.56	1662	3.3	3.3	2.4	-4.8	0	-0.8	*	3.7	12.2	6.86
	10:45	2.32	1662	2.7	2.7	2	-4.6	0	-0.8	*	3.8	12.2	6.88
	11:00	3.09	1661	3	3	2.3	-4.6	0	-0.8	*	3.8	12.2	6.85
	11:15	-1.8	1	-0.7	*	2.4	6.72	1661	4.9	4.9	3.7	12.3	6.84
	11:30	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.1	12.4	6.87
	11:45	3.16	1665	3.1	3.1	2.3	-4.6	0	-0.8	*	3.1	12.5	6.84

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	2.09	1645	2.5	2.5	1.9	5.52	1654	4.3	4.3	3.2	12.5	6.82
	12:15	2.41	1655	2.7	2.7	2.1	-4.6	1	-0.8	*	3.6	12.6	6.85
	12:30	3.16	1663	3.1	3.1	2.4	-4.6	1	-0.8	*	3.6	12.6	6.83
	12:45	-4.4	1	-0.7	*	2	-4.6	0	-0.8	*	3.8	12.7	6.85
	13:00	2.76	1665	2.9	2.9	2.2	-4.8	1	-0.8	*	3.7	12.7	6.84
	13:15	3.77	1653	3.1	3.1	2.4	-4.8	0	-0.8	*	3.7	12.7	6.84
	13:30	2.41	1664	2.7	2.7	2	-4.2	0	-0.8	*	3.8	12.8	6.86
	13:45	2.76	1663	2.9	2.9	2.2	-4.6	0	-0.8	*	3.8	12.9	6.86
	14:00	-4	1	-0.8	*	2.3	5.36	1661	4.2	4.2	3.2	12.8	6.87
	14:15	2.56	1659	2.8	2.8	2.1	-4.8	0	-0.8	*	3.5	12.8	6.88
	14:30	3.12	1666	3.1	3.1	2.3	-4.8	0	-0.8	*	3.5	12.7	6.85
	14:45	1.95	1667	2.6	2.6	2	-4.8	0	-0.8	*	3.5	12.7	6.84
	15:00	2.63	1669	2.9	2.9	2.2	-4.8	0	-0.8	*	3.5	12.7	6.88
	15:15	4.24	1502	2.9	2.9	2.4	-4.8	0	-0.8	*	3.5	12.7	6.86
	15:30	2.23	1662	2.7	2.7	2.1	6.32	1660	4.7	4.7	3.6	12.8	6.94
	15:45	3.12	1669	3.1	3.1	2.3	-4.8	0	-0.8	*	3.8	12.7	6.86
	16:00	1.88	1666	2.5	2.5	2.4	-4.7	1	-0.8	*	3.9	12.7	6.84
	16:15	2.76	1662	2.9	2.9	2.2	-4.7	1	-0.8	*	3.9	12.7	6.86
	16:30	3.58	1655	3.2	3.2	2.5	1.36	970	2.2	2.2	3.9	12.7	6.86
	16:45	2.41	1660	2.7	2.7	2.1	-3.1	1	-0.8	*	4	12.7	6.87
	17:00	2.76	1665	2.9	2.9	2.2	-4.6	0	-0.8	*	4	12.7	6.86
	17:15	-27	1	-13	*	2.4	5.12	1705	4.1	4.1	2.9	12.6	6.87
	17:30	2.52	1663	2.8	2.8	2.2	-4.8	0	-0.8	*	3.5	12.6	6.89
	17:45	3.16	1666	3.1	3.1	2.4	-4.8	0	-0.8	*	3.5	12.6	6.86
	18:00	2.25	1664	2.6	2.6	2	-4.8	1	-0.8	*	3.7	12.6	6.86
	18:15	2.76	1658	2.9	2.9	2.2	-4.8	0	-0.8	*	3.7	12.6	6.86
	18:30	4.19	1646	3.2	3.2	2.5	6.08	1658	4.6	4.6	3.5	12.6	6.87
	18:45	2.32	1669	2.7	2.7	2	-4.8	1	-0.8	*	3.9	12.6	6.88
	19:00	3.21	1663	3.1	3.1	2.4	-4.8	0	-0.8	*	3.9	12.6	6.85
	19:15	-0.6	626	1.2	1.2	2.5	-4.9	0	-0.8	*	3.9	12.7	6.86
	19:30	2.81	1660	2.9	2.9	2.2	-4.9	0	-0.8	*	3.9	12.7	6.87
	19:45	3.41	1665	3.2	3.2	2.5	-4.9	1	-0.8	*	3.9	12.6	6.86
	20:00	2.23	1670	2.7	2.7	2.1	-2.4	0	-0.8	*	4.1	12.7	6.88
	20:15	2.96	1664	3	3	2.3	-4.8	0	-0.8	*	4.1	12.7	6.87
	20:30	-2.4	1	-1.2	*	2.5	6.12	1661	4.6	4.6	3.5	12.8	6.9
	20:45	2.76	1662	2.9	2.9	2.2	-4.8	0	-0.8	*	3.5	12.7	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	21:00	3.36	1657	3.2	3.2	2.4	-4.8	0	-0.8	*	3.5	12.7	6.89
	21:15	2.41	1663	2.7	2.7	2	-4.7	0	-0.8	*	3.7	12.7	6.92
	21:30	2.96	1668	3	3	2.3	-4.7	0	-0.8	*	3.7	12.7	6.88
	21:45	-15	1	-6.5	*	2.5	6.96	1649	5	5	3.8	12.7	6.88
	22:00	2.56	1665	2.8	2.8	2.2	-4.7	0	-0.8	*	3.9	12.7	6.89
	22:15	3.36	1665	3.2	3.2	2.4	-4.7	1	-0.8	*	3.9	12.7	6.88
	22:30	-4.5	1	-0.7	*	2.5	-4.6	1	-0.8	*	4	12.8	6.88
	22:45	2.81	1664	2.9	2.9	2.2	-4.7	0	-0.8	*	4	12.8	6.88
	23:00	3.36	1666	3.2	3.2	2.4	-4.7	1	-0.8	*	4	12.8	6.86
	23:15	2.41	1665	2.7	2.7	2	-4.7	0	-0.8	*	3.5	12.9	6.9
	23:30	3.16	1666	3.1	3.1	2.4	-4.7	0	-0.8	*	3.5	12.8	6.89
	23:45	5.41	1483	3.4	3.4	2.5	5.96	1657	4.5	4.5	3.4	12.8	6.89
3/6/2014	0:00	2.56	1665	2.8	2.8	2.1	-4.8	1	-0.8	*	3.7	12.8	6.9
	0:15	3.36	1656	3.2	3.2	2.4	-4.8	0	-0.8	*	3.7	12.8	6.88
	0:30	1.52	1292	2.3	2.3	2.5	-4.8	0	-0.8	*	3.9	12.8	6.89
	0:45	2.96	1661	3	3	2.3	-4.8	0	-0.8	*	3.9	12.8	6.89
	1:00	3.74	1661	3.3	3.3	2.5	-4.8	0	-0.8	*	3.9	12.8	6.88
	1:15	2.56	1663	2.8	2.8	2.1	-3.5	0	-0.8	*	3.9	12.8	6.89
	1:30	2.81	1661	2.9	2.9	2.2	-4.6	0	-0.8	*	3.9	12.8	6.88
	1:45	3.52	1664	3.3	3.3	2.5	-4.6	1	-0.8	*	3.9	12.8	6.87
	2:00	2.48	1673	2.8	2.8	2.2	-4.9	0	-0.8	*	3.5	12.9	6.91
	2:15	2.99	1668	3.1	3.1	2.4	-4.9	0	-0.8	*	3.5	12.9	6.86
	2:30	-2.6	1	-1.3	*	2.5	6.39	1670	4.8	4.8	3.7	12.9	6.85
	2:45	2.43	1665	2.8	2.8	2.1	-33	0	-15	*	3.9	12.9	6.88
	3:00	3.12	1662	3.1	3.1	2.4	-0.6	1	1.1	1.1	3.9	12.9	6.86
	3:15	-2.4	1	-1.2	*	2.5	6.99	1675	5.1	5.1	3.9	12.9	6.86
	3:30	2.96	1667	3	3	2.3	-4.7	0	-0.8	*	4.1	13	6.9
	3:45	3.56	1661	3.3	3.3	2.5	-4.7	1	-0.8	*	4.1	12.9	6.88
	4:00	2.36	1664	2.7	2.7	2.1	-4.1	1	-0.9	*	4.2	12.9	6.9
	4:15	3.01	1665	3	3	2.3	-4.5	0	-0.8	*	4.2	12.9	6.93
	4:30	3.52	1666	3.3	3.3	2.6	-4.5	0	-0.8	*	4.2	12.9	6.9
	4:45	2.56	1663	2.8	2.8	2.1	-4.7	0	-0.8	*	3.5	13	6.93
	5:00	3.12	1669	3.1	3.1	2.4	-4.7	0	-0.8	*	3.5	12.9	6.88
	5:15	-3.4	1	-0.7	*	2.6	6.56	1661	4.8	4.8	3.7	12.9	6.87
	5:30	2.96	1663	3	3	2.3	-4.8	0	-0.8	*	3.7	12.9	6.88
	5:45	3.56	1664	3.3	3.3	2.5	-4.8	0	-0.8	*	3.7	12.9	6.87

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	6:00	2.36	1659	2.7	2.7	2.1	-4.8	0	-0.8	*	3.9	13	6.89
	6:15	3.16	1670	3.1	3.1	2.4	-4.8	0	-0.8	*	3.9	12.9	6.87
	6:30	-1.9	1192	-0.3	*	2.5	6.92	1687	5	5	3.8	12.9	6.86
	6:45	2.43	1664	2.8	2.8	2.1	-2.2	1	-0.8	*	4.1	13	6.89
	7:00	3.36	1664	3.2	3.2	2.4	-4.8	1	-0.8	*	4.1	12.9	6.87
	7:15	-2.6	1	-1.3	*	2.6	4.96	1653	4	4	3.5	13	6.88
	7:30	2.96	1661	3	3	2.3	-4.7	1	-0.8	*	3.5	12.9	6.89
	7:45	3.76	1663	3.4	3.4	2.6	-4.7	0	-0.8	*	3.5	12.9	6.87
	8:00	2.36	1660	2.7	2.7	2.1	-4.8	0	-0.8	*	3.8	13	6.9
	8:15	3.16	1663	3.1	3.1	2.4	-4.8	1	-0.8	*	3.8	12.9	6.86
	8:30	-2.6	1	-1.3	*	2.6	6.43	1665	4.8	4.8	3.7	12.9	6.85
	8:45	2.96	1671	3	3	2.2	-4.6	1	-0.8	*	3.8	13	6.87
	9:00	3.61	1668	3.3	3.3	2.5	-4.6	1	-0.8	*	3.8	13	6.85
	9:15	2.32	1665	2.7	2.7	2.1	-4.8	1	-0.8	*	3.9	13	6.9
	9:30	3.16	1663	3.1	3.1	2.4	-4.8	0	-0.8	*	3.9	13	6.85
	9:45	-2.2	1	-1.1	*	2.6	6.85	1655	4.9	4.9	3.8	13.1	6.85
	10:00	2.34	1611	2.6	2.6	2.2	-4.6	0	-0.8	*	4	13.1	6.89
	10:15	3.17	1589	2.8	2.8	2.4	0.72	973	1.9	1.9	4	13.1	6.86
	10:30	1.16	85	2.1	2.1	34.6	-4.3	1	-0.9	*	3.6	13.2	6.86
	10:45	2.36	1666	2.7	2.7	2.1	-4.7	0	-0.8	*	3.7	13.2	6.91
	11:00	3.16	1663	3.1	3.1	2.4	-4.7	0	-0.8	*	3.7	13.2	6.86
	11:15	-28	1	-13	*	2.6	5.76	1673	4.4	4.4	3.4	13.2	6.86
	11:30	2.76	1667	2.9	2.9	2.3	-4.8	0	-0.8	*	3.8	13.2	6.88
	11:45	3.36	1663	3.2	3.2	2.5	-4.8	0	-0.8	*	3.8	13.3	6.86
	12:00	2.21	1658	2.6	2.6	2.1	7.41	1661	5.2	5.2	4	13.4	6.87
	12:15	2.81	1668	2.9	2.9	2.2	-4.6	1	-0.8	*	4	13.5	6.89
	12:30	3.36	1657	3.2	3.2	2.5	-4.6	1	-0.8	*	4	13.7	6.88
	12:45	2.28	1679	2.7	2.7	2.1	-4.1	0	-0.9	*	4	13.7	6.9
	13:00	2.96	1665	3	3	2.3	-4.8	0	-0.8	*	4	13.8	6.87
	13:15	-3.9	1	-0.8	*	2.6	-4.8	0	-0.8	*	4	13.9	6.87
	13:30	2.56	1666	2.8	2.8	2.2	-4.7	0	-0.8	*	3.5	14.1	6.93
	13:45	3.16	1669	3.1	3.1	2.4	-4.7	1	-0.8	*	3.5	14.2	6.89
	14:00	2.16	1665	2.6	2.6	2	5.96	1660	4.5	4.5	3.6	14.2	6.9
	14:15	2.76	1662	2.9	2.9	2.3	-4.6	0	-0.8	*	3.7	14.2	6.9
	14:30	3.36	1665	3.2	3.2	2.5	-4.6	1	-0.8	*	3.7	14.2	6.89
	14:45	2.21	1657	2.6	2.6	2.1	6.52	1658	4.8	4.8	3.8	14.2	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	2.56	1651	2.8	2.8	2.2	-7.5	0	-2.6	*	3.8	14.2	6.89
	15:15	-4.4	1	-0.7	*	2.4	-4.6	1	-0.8	*	3.4	14.4	6.92
	15:30	-3.7	1	-0.7	*	2.5	5.52	1663	4.3	4.3	3.4	14.3	6.89
	15:45	2.32	1666	2.7	2.7	2.2	-4.6	0	-0.8	*	3.7	14.2	6.9
	16:00	3.16	1670	3.1	3.1	2.4	-4.6	1	-0.8	*	3.7	14.2	6.88
	16:15	1.96	1665	2.5	2.5	2	-4.8	0	-0.8	*	3.9	14.2	6.88
	16:30	2.96	1669	3	3	2.4	-4.8	0	-0.8	*	3.9	14.1	6.87
	16:45	4.6	1650	3.3	3.3	2.5	-4.8	0	-0.8	*	3.9	13.9	6.86
	17:00	2.65	1664	2.8	2.8	2.2	-4.7	0	-0.8	*	3.9	14	6.88
	17:15	3.36	1669	3.2	3.2	2.5	-4.7	1	-0.8	*	3.9	13.8	6.87
	17:30	3.2	1816	2.9	2.9	2.6	6.12	1659	4.6	4.6	3.6	13.8	6.9
	17:45	3.2	1815	2.9	2.9	2	7.52	1668	5.3	5.3	4.2	13.7	6.89
	18:00	3	1819	2.8	2.8	2	7.49	1942	5.2	5.2	3.5	13.6	6.87
	18:15	-4	1	-0.7	*	2	9.23	1898	6.2	6.2	4.2	13.6	6.92
	18:30	-2.6	1	0.2	0.2	2	9.44	1653	6	6	4.7	13.6	6.9
	18:45	2.32	1666	2.7	2.7	2	-4.6	0	-0.8	*	4.7	13.7	6.96
	19:00	3.16	1666	3.1	3.1	2.4	-4.6	0	-0.8	*	4.7	13.6	6.95
	19:15	-2.6	1	-1.2	*	2.5	6.32	1663	4.7	4.7	3.7	13.7	6.96
	19:30	2.56	1663	2.8	2.8	2.2	-4.8	0	-0.8	*	3.7	13.6	6.94
	19:45	3.41	1666	3.2	3.2	2.5	-4.7	0	-0.8	*	3.7	13.6	6.93
	20:00	2.16	1663	2.6	2.6	2	-4.8	0	-0.8	*	4.1	13.6	6.94
	20:15	2.81	1665	2.9	2.9	2.3	-4.8	1	-0.8	*	4.1	13.6	6.92
	20:30	-26	1	-12	*	2.5	6.76	1656	4.9	4.9	3.8	13.6	6.87
	20:45	2.36	1661	2.7	2.7	2.1	-4.8	0	-0.8	*	4.1	13.7	6.89
	21:00	3.16	1665	3.1	3.1	2.4	-4.8	0	-0.8	*	4.1	13.7	6.87
	21:15	1.96	1661	2.5	2.5	1.9	9.05	1645	5.5	5.5	4.3	13.7	6.88
	21:30	2.36	1662	2.7	2.7	2.1	-4.5	1	-0.8	*	4.3	13.7	6.89
	21:45	3.16	1666	3.1	3.1	2.4	-4.5	0	-0.8	*	4.3	13.7	6.88
	22:00	1.88	1673	2.5	2.5	2	-4.6	1	-0.8	*	3.6	13.7	6.9
	22:15	2.85	1655	2.9	2.9	2.3	-4.6	0	-0.8	*	3.6	13.7	6.89
	22:30	4.24	1497	2.9	2.9	2.5	1.61	1050	2.3	2.3	3.6	13.7	6.88
	22:45	2.41	1662	2.7	2.7	2.1	1.48	913	2.3	2.3	3.8	13.7	6.9
	23:00	3.25	1654	3.1	3.1	2.4	5.27	1682	4	4	3.1	13.7	6.9
	23:15	1.59	1617	2.4	2.4	2.5	-4.3	200	-0.8	*	3.1	13.7	6.91
	23:30	3.96	1900	3.5	3.5	2.4	-4.3	1	-0.8	*	3.1	13.7	6.95
	23:45	5.05	1898	4	4	2.8	-4.3	0	-0.8	*	3	13.7	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
3/7/2014	0:00	3.56	1894	3.3	3.3	2.3	4.85	1724	3.9	3.9	3	13.8	6.99
	0:15	4.41	1902	3.7	3.7	2.5	-4.6	0	-0.8	*	3	13.7	6.97
	0:30	-26	1	-12	*	2.8	-4.6	0	-0.8	*	3	13.7	6.97
	0:45	2.56	1664	2.8	2.8	2.2	-4.9	1	-0.8	*	3	13.8	6.99
	1:00	3.32	1666	3.2	3.2	2.4	-4.9	1	-0.8	*	3	13.8	6.97
	1:15	2.01	1655	2.5	2.5	2	-4.9	1	-0.8	*	3.4	13.8	6.99
	1:30	2.76	1664	2.9	2.9	2.3	-4.9	0	-0.8	*	3.4	13.8	6.97
	1:45	4.19	1645	3.2	3.2	2.6	4.85	1599	3.9	3.9	3.4	13.8	6.95
	2:00	2.56	1660	2.8	2.8	2.1	-4.7	1	-0.8	*	3.5	13.8	6.98
	2:15	3.12	1666	3.1	3.1	2.5	-4.7	1	-0.8	*	3.5	13.8	6.91
	2:30	0.41	825	1.7	1.7	2.6	-4.8	1	-0.8	*	3.5	13.8	6.92
	2:45	2.59	1669	2.9	2.9	2.3	-4.8	0	-0.8	*	3.5	13.8	6.91
	3:00	3.35	1646	3.3	3.3	2.6	-0	0	1.6	1.6	3.5	13.8	6.89
	3:15	2.36	1667	2.7	2.7	2.1	-2.9	1	-1.2	*	3.8	13.9	6.91
	3:30	3.16	1668	3.1	3.1	2.4	-4.7	0	-0.8	*	3.8	13.8	6.89
	3:45	-2.6	1	-1	*	2.6	4.76	1664	3.9	3.9	3.1	13.9	6.91
	4:00	2.76	1665	2.9	2.9	2.3	-4.7	0	-0.8	*	3.2	13.9	6.95
	4:15	3.36	1662	3.2	3.2	2.6	-4.7	0	-0.8	*	3.2	13.9	6.93
	4:30	2.21	1667	2.6	2.6	2.1	-4.7	0	-0.8	*	3.3	13.9	6.97
	4:45	2.96	1663	3	3	2.4	-4.7	1	-0.8	*	3.3	13.9	6.95
	5:00	-2.7	1	-0.7	*	2.6	5.28	1659	4.2	4.2	3.3	13.9	6.92
	5:15	2.16	1665	2.6	2.6	2.1	-4.6	0	-0.8	*	3.6	13.9	6.98
	5:30	3.21	1670	3.1	3.1	2.4	-4.6	1	-0.8	*	3.6	13.9	6.94
	5:45	-2.6	1	-1.3	*	2.6	5.96	1659	4.5	4.5	3.5	13.9	6.93
	6:00	2.81	1660	2.9	2.9	2.3	-4.8	1	-0.8	*	3.6	14	6.93
	6:15	3.56	1661	3.3	3.3	2.5	-4.8	0	-0.8	*	3.6	13.9	6.9
	6:30	2.36	1661	2.7	2.7	2.1	-4.6	0	-0.8	*	3.2	13.9	6.97
	6:45	2.96	1664	3	3	2.4	-4.6	1	-0.8	*	3.2	13.9	6.92
	7:00	-3.9	1	-0.8	*	2.6	5.16	1667	4.1	4.1	3.2	13.9	6.91
	7:15	2.56	1664	2.8	2.8	2.2	-4.8	0	-0.8	*	3.3	14	6.93
	7:30	3.36	1663	3.2	3.2	2.5	-4.8	1	-0.8	*	3.3	13.9	6.91
	7:45	2.12	1665	2.6	2.6	2	-4.7	0	-0.8	*	3.5	14	6.92
	8:00	2.96	1665	3	3	2.4	-4.7	1	-0.8	*	3.5	13.9	6.92
	8:15	4.56	1647	3.3	3.3	2.6	3.56	1206	3.3	3.3	3.5	13.9	6.91
	8:30	2.61	1673	2.8	2.8	2.2	-4.2	0	-0.9	*	3.7	14	6.94
	8:45	3.01	1661	3	3	2.3	-4.5	1	-0.8	*	3.7	14	6.91

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	9:00	-3.7	917	-1.2	*	2.5	4.1	1707	3.7	3.7	3.7	14	6.92
	9:15	2.56	1667	2.8	2.8	2.2	-4.7	1	-0.8	*	3.2	14	6.94
	9:30	3.16	1665	3.1	3.1	2.5	-4.7	1	-0.8	*	3.2	14	6.92
	9:45	2.05	1643	2.5	2.5	2.6	5.12	1656	4.1	4.1	3.3	14.1	6.93
	10:00	2.76	1664	2.9	2.9	2.3	-4.8	0	-0.8	*	3.3	14.1	6.94
	10:15	-3.8	1	-0.7	*	2.5	-4.8	1	-0.8	*	3.3	14.1	6.92
	10:30	2.69	1661	2.8	2.8	2.2	-4.7	0	-0.8	*	3.3	14.1	6.95
	10:45	3.32	1673	3.2	3.2	2.5	-4.7	1	-0.8	*	3.3	14.1	6.94
	11:00	2.34	1655	2.6	2.6	2.1	5.92	1659	4.5	4.5	3.6	14.2	6.95
	11:15	3.01	1660	3	3	2.4	-4.8	0	-0.8	*	3.6	14.2	6.93
	11:30	-27	1	-13	*	2.6	6.41	1568	4.7	4.7	3.6	14.3	6.93
	11:45	-4.4	1	-0.7	*	2.2	-4.6	0	-0.8	*	2.9	14.3	6.96
	12:00	2.96	1666	3	3	2.4	-4.7	0	-0.8	*	3.2	14.4	6.99
	12:15	-2.9	1	-1.4	*	2.6	4.76	1663	3.9	3.9	3.1	14.4	6.95
	12:30	2.36	1664	2.7	2.7	2.2	-4.6	0	-0.8	*	3.4	14.4	6.98
	12:45	2.96	1667	3	3	2.4	-4.6	1	-0.8	*	3.4	14.5	6.96
	13:00	-0.4	611	1.3	1.3	2.6	5.72	1656	4.4	4.4	3.5	14.5	6.96
	13:15	2.76	1670	2.9	2.9	2.3	-4.8	0	-0.8	*	3.6	14.5	6.96
	13:30	3.41	1662	3.2	3.2	2.5	-4.8	0	-0.8	*	3.6	14.6	6.95
	13:45	2.32	1665	2.7	2.7	2.1	-4.9	1	-0.8	*	3.7	14.6	6.99
	14:00	3.01	1664	3	3	2.4	-4.9	1	-0.8	*	3.7	14.6	6.97
	14:15	-2.4	1	-1.2	*	2.6	5.76	1653	4.4	4.4	3.5	14.7	6.96
	14:30	2.56	1666	2.8	2.8	2.2	-4.8	0	-0.8	*	3.7	14.7	6.99
	14:45	3.16	1663	3.1	3.1	2.5	-4.8	1	-0.8	*	3.7	14.8	6.96
	15:00	2.09	1661	2.5	2.5	2.1	5.29	1662	4.1	4.1	3.3	14.8	7.01
	15:15	2.72	1664	2.9	2.9	2.3	-4.6	1	-0.8	*	3.3	14.8	6.99
	15:30	3.55	1657	3.1	3.1	2.5	-4.6	1	-0.8	*	3.3	14.8	6.98
	15:45	2.21	1663	2.6	2.6	2.1	-4.7	1	-0.8	*	3.6	14.9	6.99
	16:00	2.96	1666	3	3	2.4	-4.7	1	-0.8	*	3.6	14.9	6.95
	16:15	-2.5	1	-0.7	*	2.6	5.96	1662	4.5	4.5	3.6	14.9	6.97
	16:30	2.56	1659	2.8	2.8	2.3	-4.7	0	-0.8	*	3.7	14.8	6.98
	16:45	3.16	1664	3.1	3.1	2.5	-4.7	0	-0.8	*	3.7	14.8	6.97
	17:00	2.21	1664	2.6	2.6	2.1	-4.2	1	-0.9	*	3.9	14.8	6.99
	17:15	2.61	1661	2.8	2.8	2.2	-4.5	0	-0.8	*	3.9	14.8	6.99
	17:30	3.16	1666	3.1	3.1	2.5	-4.5	0	-0.8	*	3.9	14.8	6.98
	17:45	2.16	1669	2.6	2.6	2.1	-4.7	1	-0.8	*	3.3	14.8	7.05

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	2.92	1663	3	3	2.4	-4.7	1	-0.8	*	3.3	14.7	6.98
	18:15	-4	1	-0.8	*	2.7	5.36	1664	4.2	4.2	3.3	14.7	6.97
	18:30	3.96	1899	3.5	3.5	2.5	-4.8	1	-0.8	*	3.4	14.7	6.98
	18:45	4.76	1895	3.9	3.9	2.8	-4.8	0	-0.8	*	3.4	14.7	6.96
	19:00	-4.5	1	-0.7	*	2.6	-4.6	0	-0.8	*	3.6	14.8	6.97
	19:15	2.96	1699	3	3	2.3	-4.6	1	-0.8	*	3.6	14.8	7
	19:30	3.56	1697	3.3	3.3	2.6	1.76	782	2.4	2.4	3.6	14.8	7.01
	19:45	2.56	1700	2.8	2.8	2.2	-2.6	1	-1.3	*	3.8	14.8	6.99
	20:00	2.96	1702	3	3	2.4	-4.6	0	-0.8	*	3.8	14.8	7
	20:15	5.87	618	4.3	4.3	2.5	5.61	1687	4.3	4.3	3.4	14.8	7.03
	20:30	-36	1	-17	*	2.5	5.95	1703	4.6	4.6	3.6	14.9	7.04
	20:45	0.34	597	1.6	1.6	5.1	7.69	1687	5.3	5.3	4.1	14.9	7
	21:00	2.41	1694	2.7	2.7	2.2	-4.6	1	-0.8	*	4.1	14.9	7.03
	21:15	3.21	1701	3.1	3.1	2.4	-4.6	1	-0.8	*	4.1	14.9	7.01
	21:30	-3.9	1	-0.7	*	2.6	5.36	1698	4.2	4.2	3.4	14.9	7.03
	21:45	2.96	1702	3	3	2.3	-4.8	1	-0.8	*	3.4	14.9	7
	22:00	3.52	1705	3.3	3.3	2.6	-4.8	0	-0.8	*	3.4	14.9	6.99
	22:15	2.36	1698	2.7	2.7	2.2	-4.9	1	-0.8	*	3.6	14.9	7.02
	22:30	3.16	1701	3.1	3.1	2.5	-4.9	0	-0.8	*	3.6	14.9	6.99
	22:45	-2.5	1	-0.8	*	2.6	6.36	1704	4.7	4.7	3.7	15	6.97
	23:00	2.56	1699	2.8	2.8	2.2	-4.6	1	-0.8	*	3.8	15	7.02
	23:15	3.32	1699	3.2	3.2	2.6	-4.6	0	-0.8	*	3.8	15	6.98
	23:30	-5.4	1	-1.3	*	2.6	6.72	1696	4.9	4.9	3.9	15.1	6.96
	23:45	2.36	1690	2.7	2.7	2.2	-4.5	1	-0.8	*	3.9	15.1	6.99
3/8/2014	0:00	3.32	1704	3.2	3.2	2.5	-4.5	1	-0.8	*	3.9	15.1	6.99
	0:15	2.21	1693	2.6	2.6	2.1	-4.8	1	-0.8	*	3.3	15.1	7
	0:30	2.96	1696	3	3	2.4	-4.8	0	-0.8	*	3.3	15.1	6.96
	0:45	4.5	1683	3.4	3.4	2.6	5.32	1689	4.2	4.2	3.4	15.1	6.93
	1:00	2.41	1695	2.7	2.7	2.2	-4.6	1	-0.8	*	3.6	15.1	6.98
	1:15	3.12	1703	3.1	3.1	2.5	-4.6	0	-0.8	*	3.6	15.1	6.94
	1:30	-4	1	-0.8	*	2.6	6.12	1705	4.6	4.6	3.6	15.1	6.93
	1:45	2.36	1699	2.7	2.7	2.2	-4.6	1	-0.8	*	3.9	15.2	6.95
	2:00	3.12	1702	3.1	3.1	2.5	-4.6	1	-0.8	*	3.9	15.2	6.92
	2:15	-2	1	-0.6	*	2.6	6.72	1699	4.9	4.9	3.9	15.2	6.91
	2:30	2.28	1683	2.7	2.7	2.2	-4.6	0	-0.8	*	4	15.2	6.92
	2:45	3.36	1696	3.2	3.2	2.5	-4.6	0	-0.8	*	4	15.2	6.9

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	2.21	1704	2.6	2.6	2.1	-4.8	0	-0.8	*	3.4	15.3	6.93
	3:15	2.96	1700	3	3	2.4	-4.8	0	-0.8	*	3.4	15.3	6.91
	3:30	-4	1	-0.8	*	2.6	7.05	1897	5	5	3.6	15.3	6.9
	3:45	-4	1	-0.7	*	2.1	8.79	1909	6	6	4.3	15.3	6.91
	4:00	-4	1	-0.7	*	2.1	6.68	1904	4.9	4.9	3.5	15.3	6.97
	4:15	2.8	1824	2.7	2.7	2	8.32	1900	5.7	5.7	4.1	15.2	6.97
	4:30	-1.6	1	-0.8	*	2.1	-13	1	-5.4	*	4.6	15.2	6.97
	4:45	1.14	1447	2	2	2.1	7.85	1901	5.4	5.4	3.9	15.2	7.03
	5:00	-3.4	1	-0.7	*	2	7.83	1899	5.5	5.5	3.9	15.2	7.03
	5:15	2.21	1699	2.6	2.6	2.1	-4.7	1	-0.8	*	4.1	15.1	7.02
	5:30	2.96	1695	3	3	2.4	-4.7	1	-0.8	*	4.1	15.1	7.02
	5:45	1.96	1702	2.5	2.5	2	-4.8	0	-0.8	*	3.9	15.1	7.02
	6:00	2.76	1698	2.9	2.9	2.3	-4.8	1	-0.8	*	3.9	15.1	7.01
	6:15	-2.5	306	-0.6	*	2.5	2.76	1224	2.9	2.9	3.9	15.1	7.01
	6:30	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	4	15.1	7.05
	6:45	2.81	1701	2.9	2.9	2.3	-4.6	0	-0.8	*	4	15.1	7.03
	7:00	-3.9	1	-0.8	*	2.5	5.56	1698	4.3	4.3	3.4	15.1	7.07
	7:15	2.36	1700	2.7	2.7	2.1	-4.8	0	-0.8	*	3.5	15.1	7.05
	7:30	3.16	1699	3.1	3.1	2.4	-4.8	0	-0.8	*	3.5	15.1	7.02
	7:45	-4.5	1	-0.7	*	2.5	-4.6	1	-0.8	*	3.5	15.1	7.05
	8:00	2.61	1695	2.8	2.8	2.2	-4.6	1	-0.8	*	3.5	15.1	7.03
	8:15	3.41	1701	3.2	3.2	2.5	-4.6	1	-0.8	*	3.5	15.1	7.03
	8:30	2.12	1697	2.6	2.6	2	-4.9	0	-0.8	*	3.8	15.1	7.06
	8:45	2.96	1698	3	3	2.4	-4.9	0	-0.8	*	3.8	15	7.02
	9:00	-2.6	1	-1.1	*	2.5	6.81	1692	4.9	4.9	3.9	15	7.02
	9:15	1.22	1415	2	2	2.1	-4.6	1	-0.8	*	4	15.1	7.07
	9:30	2.92	1700	3	3	2.4	-4.6	0	-0.8	*	4	15.1	7.03
	9:45	-3.4	1	-0.7	*	2.5	5.23	1698	4.2	4.2	3.4	15.1	7.04
	10:00	-4.4	1	-0.7	*	2.1	-4.6	0	-0.8	*	3.6	15.2	7.07
	10:15	2.81	1698	2.9	2.9	2.3	-4.6	1	-0.8	*	3.8	15.1	7.05
	10:30	3.79	1510	2.7	2.7	2.5	-4.6	1	-0.8	*	3.8	15	7.04
	10:45	2.32	1693	2.7	2.7	2.2	-4.9	1	-0.8	*	3.7	15.1	7.06
	11:00	3.25	1694	3.1	3.1	2.5	-4.9	1	-0.8	*	3.7	15.1	7.03
	11:15	1.59	1657	2.4	2.4	2.5	-4.9	0	-0.8	*	3.7	15.1	7.01
	11:30	2.43	1695	2.8	2.8	2.3	6.83	1702	5	5	3.9	15.1	7.06
	11:45	-4.5	1	-0.7	*	2.5	-4.6	1	-0.8	*	3.2	15.1	7.05

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	12:00	-4.5	1	-0.7	*	2.4	-4.6	0	-0.8	*	3.6	15.1	7.03
	12:15	2.56	1704	2.8	2.8	2.3	-4.6	1	-0.8	*	3.6	15.1	7.04
	12:30	3.36	1691	3.2	3.2	2.6	3.61	1299	3.3	3.3	3.6	15.1	7.03
	12:45	1.96	1663	2.5	2.5	2	-4.6	1	-0.8	*	3.9	15.1	7.09
	13:00	2.81	1696	2.9	2.9	2.3	-4.6	1	-0.8	*	3.9	15.1	7.02
	13:15	3.95	1504	2.8	2.8	2.5	5.68	1634	4.4	4.4	3.9	15.1	7.01
	13:30	2.41	1698	2.7	2.7	2.2	-2.8	0	-1.4	*	4	15.2	7.02
	13:45	2.72	1700	2.9	2.9	2.3	-4.5	1	-0.8	*	4	15.2	7.01
	14:00	-2.7	1	-0.7	*	2.5	-4.5	0	-0.8	*	4	15.1	7.02
	14:15	2.49	1696	2.7	2.7	2.2	-4.5	1	-0.8	*	4	15.2	7.05
	14:30	3.25	1696	3.1	3.1	2.5	5.48	1696	4.3	4.3	3.5	15.3	7.07
	14:45	-3.1	1351	-0.1	*	2.6	-4.5	1206	-0.8	*	3.7	15.1	7.02
	15:00	2.56	1697	2.8	2.8	2.2	-4.6	1	-0.8	*	3.7	15.1	7.03
	15:15	3.36	1697	3.2	3.2	2.5	-4.6	1	-0.8	*	3.7	15.1	7.03
	15:30	2.12	1709	2.6	2.6	2.1	-4.6	0	-0.8	*	3.7	15.1	7.06
	15:45	3.01	1701	3	3	2.4	-4.6	0	-0.8	*	3.7	15.1	7.03
	16:00	-26	1	-12	*	2.6	6.56	1706	4.8	4.8	3.8	15.2	7.03
	16:15	2.56	1694	2.8	2.8	2.2	-4.8	0	-0.8	*	4	15.1	7.01
	16:30	3.16	1696	3.1	3.1	2.5	-4.8	0	-0.8	*	4	15.1	6.99
	16:45	2.01	1693	2.5	2.5	2	8.03	1682	5.1	5.1	4.1	15.1	7
	17:00	2.41	1699	2.7	2.7	2.2	-4.6	1	-0.8	*	4.1	15.1	7.01
	17:15	3.36	1696	3.2	3.2	2.5	-4.6	1	-0.8	*	4.1	15.1	7
	17:30	2.12	1702	2.6	2.6	2.1	-4.8	1	-0.8	*	3.4	15.1	7.05
	17:45	2.92	1700	3	3	2.4	-4.8	1	-0.8	*	3.4	15.1	7
	18:00	-3.9	1	-0.8	*	2.6	6.05	1689	4.5	4.5	3.6	15.1	7
	18:15	2.74	1693	2.8	2.8	2.2	-4.7	1	-0.8	*	3.6	15.1	7.01
	18:30	3.21	1701	3.1	3.1	2.5	-4.7	1	-0.8	*	3.6	15	6.98
	18:45	2.03	1696	2.6	2.6	2.1	-4.7	1	-0.8	*	3.6	15.1	6.99
	19:00	2.75	1706	3	3	2.4	-4.7	1	-0.8	*	3.6	15	7
	19:15	4.28	1497	2.9	2.9	2.6	6.32	1697	4.7	4.7	3.8	15.1	7.04
	19:30	2.61	1694	2.8	2.8	2.2	-4.8	1	-0.8	*	4	15	6.99
	19:45	3.49	1699	3.2	3.2	2.5	-4.8	0	-0.8	*	4	15	6.96
	20:00	1.92	1681	2.5	2.5	2.6	7.95	1688	5.3	5.3	4.2	15	6.98
	20:15	2.52	1703	2.8	2.8	2.2	-4.6	1	-0.8	*	4.2	15	6.97
	20:30	3.41	1698	3.2	3.2	2.5	-4.6	1	-0.8	*	4.2	14.9	6.98
	20:45	-4.4	1	-0.7	*	2.6	-4.6	1	-0.8	*	3.6	15	6.99

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	21:00	2.72	1699	2.9	2.9	2.3	-4.6	1	-0.8	*	3.6	15	6.99
	21:15	3.52	1699	3.3	3.3	2.6	-4.6	1	-0.8	*	3.6	15	6.98
	21:30	2.36	1700	2.7	2.7	2.2	-4.8	1	-0.8	*	3.8	15	6.99
	21:45	2.96	1702	3	3	2.4	-4.8	1	-0.8	*	3.8	14.9	6.93
	22:00	-4	1	-0.8	*	2.6	6.81	1700	4.9	4.9	3.9	14.9	6.92
	22:15	2.56	1696	2.8	2.8	2.3	-4.7	1	-0.8	*	4.1	14.9	6.93
	22:30	3.36	1695	3.2	3.2	2.5	-4.7	1	-0.8	*	4.1	14.9	6.92
	22:45	2.65	1713	2.8	2.8	2.2	4.14	1313	2.7	2.7	4.1	14.9	6.94
	23:00	2.81	1693	2.9	2.9	2.2	-4.4	0	-0.8	*	4.1	14.9	6.93
	23:15	3.32	1702	3.2	3.2	2.6	-4.4	0	-0.8	*	4.1	14.9	6.92
	23:30	-4.5	1	-0.7	*	2	-4.6	1	-0.8	*	3.7	15	6.97
	23:45	2.72	1698	2.9	2.9	2.3	-4.6	0	-0.8	*	3.7	14.9	6.94
3/9/2014	0:00	3.72	1695	3.4	3.4	2.6	0.41	913	1.7	1.7	3.7	14.9	6.92
	0:15	2.36	1698	2.7	2.7	2.1	-4.8	1	-0.8	*	3.9	14.9	6.94
	0:30	2.96	1698	3	3	2.4	-4.8	1	-0.8	*	3.9	14.9	6.9
	0:45	-2.6	1	-1.3	*	2.6	6.72	1702	4.9	4.9	3.9	14.9	6.9
	1:00	2.76	1699	2.9	2.9	2.3	-4.8	0	-0.8	*	4	14.8	6.92
	1:15	3.36	1699	3.2	3.2	2.5	-4.8	1	-0.8	*	4	14.8	6.91
	1:30	2.16	1701	2.6	2.6	2.1	-4.8	0	-0.8	*	4.1	14.9	6.96
	1:45	2.96	1702	3	3	2.4	-4.8	1	-0.8	*	4.1	14.8	6.92
	2:00	-9.9	1	-3.8	*	2.6	6.88	1699	5	5	4	14.8	6.92
	2:15	-4.2	1	-0.7	*	2.2	-4.5	1	-0.8	*	4.3	14.8	6.95
	2:30	2.81	1697	2.9	2.9	2.3	-4.6	0	-0.8	*	3.4	14.9	6.98
	2:45	3.56	1693	3.3	3.3	2.6	1.41	975	2.2	2.2	3.4	14.8	6.95
	3:00	2.36	1695	2.7	2.7	2.2	-4.8	1	-0.8	*	3.7	14.8	6.95
	3:15	3.16	1702	3.1	3.1	2.5	-4.8	1	-0.8	*	3.7	14.8	6.92
	3:30	-2.2	1	-1.1	*	2.6	6.69	1693	4.8	4.8	3.8	14.7	6.91
	3:45	2.76	1702	2.9	2.9	2.3	-4.7	1	-0.8	*	3.8	14.7	6.93
	4:00	3.56	1694	3.3	3.3	2.6	-4.7	0	-0.8	*	3.8	14.7	6.92
	4:15	2.45	1698	2.7	2.7	2.1	-4.7	1	-0.8	*	4.1	14.7	6.97
	4:30	3.16	1702	3.1	3.1	2.5	-4.7	0	-0.8	*	4.1	14.7	6.92
	4:45	-3.9	1	-0.8	*	2.6	7.28	1711	5.2	5.2	4	14.7	6.92
	5:00	2.56	1696	2.8	2.8	2.2	-4.9	1	-0.8	*	4.1	14.7	6.99
	5:15	3.16	1695	3.1	3.1	2.5	-4.9	0	-0.8	*	4.1	14.6	6.94
	5:30	-3.1	1	-0.7	*	2.7	5.85	1695	4.4	4.4	3.5	14.7	6.96
	5:45	2.76	1702	2.9	2.9	2.3	-4.8	1	-0.8	*	3.6	14.7	6.94

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	6:00	3.56	1703	3.3	3.3	2.6	-4.8	0	-0.8	*	3.6	14.7	6.92
	6:15	2.36	1698	2.7	2.7	2.1	-4.8	1	-0.8	*	3.8	14.7	6.95
	6:30	3.16	1707	3.1	3.1	2.4	-4.8	1	-0.8	*	3.8	14.7	6.91
	6:45	-2.7	160	-0.7	*	2.6	5.52	1609	4.3	4.3	3.8	14.7	6.91
	7:00	2.56	1647	2.8	2.8	2.3	-4.7	0	-0.8	*	3.7	14.7	6.94
	7:15	3.21	1646	3.1	3.1	2.5	-4.7	1	-0.8	*	3.7	14.6	6.91
	7:30	-2.4	1	0.5	0.5	40.7	9.17	1468	5.3	5.3	4.1	14.6	6.91
	7:45	2.01	1617	2.5	2.5	2.5	-4.8	1	-0.8	*	3.6	14.7	6.97
	8:00	2.76	1649	2.9	2.9	2.3	-4.8	0	-0.8	*	3.6	14.6	6.93
	8:15	3.67	1638	3.2	3.2	2.6	-4.7	1	-0.8	*	3.6	14.5	6.93
	8:30	2.36	1646	2.7	2.7	2.2	-4.8	0	-0.8	*	3.7	14.6	6.95
	8:45	2.96	1650	3	3	2.5	-4.8	0	-0.8	*	3.7	14.5	6.92
	9:00	-1.8	1	-0.6	*	2.6	6.59	1652	4.9	4.9	3.9	14.5	6.92
	9:15	2.61	1645	2.8	2.8	2.2	-4.6	0	-0.8	*	4	14.5	6.95
	9:30	3.41	1646	3.2	3.2	2.5	-4.6	1	-0.8	*	4	14.5	6.93
	9:45	2.14	1629	2.5	2.5	2.1	7.99	1632	5.1	5.1	4.1	14.5	6.94
	10:00	2.96	1647	3	3	2.4	-4.7	1	-0.8	*	4.1	14.5	6.95
	10:15	3.97	1641	3.2	3.2	2.6	-4.7	1	-0.8	*	4.1	14.4	6.94
	10:30	2.36	1648	2.7	2.7	2.2	-4.8	1	-0.8	*	3.5	14.5	7.01
	10:45	3.16	1651	3.1	3.1	2.5	-4.8	1	-0.8	*	3.5	14.5	6.96
	11:00	-3.9	1	-0.8	*	2.6	5.61	1632	4.3	4.3	3.5	14.5	6.99
	11:15	2.81	1651	2.9	2.9	2.3	-4.8	1	-0.8	*	3.6	14.5	7
	11:30	3.23	1658	3.2	3.2	2.6	-4.8	0	-0.8	*	3.6	14.5	6.98
	11:45	2.29	1648	2.6	2.6	2.2	-4.8	0	-0.8	*	3.7	14.6	7
	12:00	3.05	1647	3	3	2.5	-4.8	0	-0.8	*	3.7	14.7	6.96
	12:15	-3.9	1	-0.8	*	2.6	6.32	1647	4.7	4.7	3.8	14.8	6.98
	12:30	2.56	1649	2.8	2.8	2.3	-4.8	1	-0.8	*	4	14.9	6.98
	12:45	3.16	1646	3.1	3.1	2.5	-4.8	1	-0.8	*	4	15	6.96
	13:00	1.96	1644	2.5	2.5	2.1	8.97	1462	5.2	5.2	4.1	15.1	6.95
	13:15	2.36	1654	2.7	2.7	2.3	-4.6	1	-0.8	*	4.1	15.2	6.99
	13:30	2.36	1654	2.7	2.7	2.3	-4.6	1	-0.8	*	4.1	15.2	6.99
	13:45	2.36	1654	2.7	2.7	2.3	-4.6	1	-0.8	*	4.1	15.2	6.99
	14:00	2.36	1654	2.7	2.7	2.3	-4.6	1	-0.8	*	4.1	15.2	6.99
	14:15	2.36	1654	2.7	2.7	2.3	-4.6	1	-0.8	*	4.1	15.2	6.99
	14:30	3.21	1647	3.1	3.1	2.5	-4.6	1	-0.8	*	4.1	15.4	7
	14:45	2.32	1655	2.7	2.7	2.2	-4.8	1	-0.8	*	3.5	15.4	7.06

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	15:00	2.76	1647	2.9	2.9	2.4	-4.8	1	-0.8	*	3.5	15.6	7.02
	15:15	3	1821	2.8	2.8	2.1	6.39	1654	4.8	4.8	3.9	15.5	7.03
	15:30	2.8	1818	2.7	2.7	2	-2.6	0	-1.3	*	4.2	15.5	7.01
	15:45	-4	1	-0.7	*	2.1	5.75	1655	4.5	4.5	3.8	15.7	7.04
	16:00	-4	1	-0.7	*	2	7.16	1648	5.1	5.1	4.2	15.6	7.02
	16:15	-36	1	-17	*	2	-4.4	1	-0.8	*	4.3	15.7	7
	16:30	-35	1	-17	*	2	-4.4	0	-0.8	*	4.3	15.7	7.01
	16:45	-36	1	-17	*	2	-4.4	1	-0.8	*	4.3	15.7	7.01
	17:00	-36	1	-17	*	2	6.32	1742	4.7	4.7	3.7	15.7	7.06
	17:15	-36	1	-17	*	2	7.72	1747	5.4	5.4	4.2	15.7	7.06
	17:30	-36	1	-17	*	2	4.56	1624	3.8	3.8	4.4	15.7	7
	17:45	-36	1	-17	*	2	6.32	1649	4.7	4.7	3.9	15.5	6.96
	18:00	-36	1	-17	*	2	7.71	1642	5.2	5.2	4.3	15.4	6.94
	18:15	-36	1	-17	*	2	5.08	1652	4.1	4.1	3.4	15.4	6.98
	18:30	-2.8	1	0.1	0.1	2	-4.6	269	-0.8	*	4	15.5	6.97
	18:45	-2	1	-0.7	*	2	7.12	1649	5.1	5.1	4.2	15.5	7.01
	19:00	1.72	1652	2.4	2.4	2	-4.6	1	-0.8	*	4.2	15.2	7
	19:15	2.52	1650	2.8	2.8	2.3	-5.6	1	-1.3	*	4.2	15	6.97
	19:30	-3.9	1	-0.8	*	2.4	5.72	1649	4.4	4.4	3.6	15.1	7
	19:45	1.96	1648	2.5	2.5	2	-4.8	1	-0.8	*	3.6	15	7.01
	20:00	2.56	1648	2.8	2.8	2.2	-4.8	0	-0.8	*	3.6	14.8	6.99
	20:15	-1.7	1	-0.7	*	2.4	6.32	1648	4.7	4.7	3.9	14.9	6.99
	20:30	1.92	1649	2.5	2.5	2.1	-4.6	1	-0.8	*	4	14.8	7
	20:45	2.76	1650	2.9	2.9	2.3	-4.6	1	-0.8	*	4	14.8	6.98
	21:00	1.36	1606	2.2	2.2	2.4	-4.8	0	-0.8	*	4.2	14.8	6.98
	21:15	-4.4	1	-0.7	*	2.2	-4.6	1	-0.8	*	4.2	14.9	6.99
	21:30	2.76	1647	2.9	2.9	2.4	-4.6	1	-0.8	*	4.2	14.8	6.97
	21:45	-4.4	1	-0.7	*	2.4	-4.5	1	-0.8	*	4	14.9	6.99
	22:00	2.32	1652	2.7	2.7	2.2	-4.5	1	-0.8	*	4	14.8	6.99
	22:15	2.76	1646	2.9	2.9	2.4	6.89	1728	4.9	4.9	3.8	14.8	6.98
	22:30	1.09	1320	2	2	2.4	-4.5	1	-0.8	*	4.3	14.9	6.97
	22:45	2.32	1650	2.7	2.7	2.2	-4.5	0	-0.8	*	4.3	14.9	6.98
	23:00	2.96	1650	3	3	2.5	-5.6	1	-1.3	*	4.3	14.9	6.97
	23:15	1.96	1649	2.5	2.5	2	-2.7	1	-0.8	*	4.4	14.9	6.99
	23:30	2.32	1647	2.7	2.7	2.2	-4.6	0	-0.8	*	4.4	14.9	6.97
	23:45	3.66	1508	2.7	2.7	2.5	5.88	1737	4.5	4.5	3.5	14.9	6.98

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
3/10/2014	0:00	2.16	1650	2.6	2.6	2.1	-4.8	1	-0.8	*	3.8	14.9	7
	0:15	2.76	1653	2.9	2.9	2.3	-4.8	1	-0.8	*	3.8	14.9	6.97
	0:30	0.81	1449	1.9	1.9	2.5	7.65	1740	5.3	5.3	4.1	14.9	6.99
	0:45	2.12	1649	2.6	2.6	2.1	-4.6	0	-0.8	*	4.2	14.9	6.99
	1:00	2.76	1652	2.9	2.9	2.4	-4.6	0	-0.8	*	4.2	14.9	6.97
	1:15	1.72	1648	2.4	2.4	2	-4.8	0	-0.8	*	4.5	15	6.98
	1:30	2.52	1652	2.8	2.8	2.3	-4.8	1	-0.8	*	4.5	14.9	6.96
	1:45	4.04	1496	2.8	2.8	2.5	7.81	1734	5.4	5.4	4.2	14.9	6.95
	2:00	-4.4	1	-0.7	*	2.1	-4.6	1	-0.8	*	4.5	14.9	6.97
	2:15	2.56	1648	2.8	2.8	2.3	-4.6	1	-0.8	*	4.5	14.9	6.96
	2:30	-3.9	1	-0.8	*	2.4	6.56	1753	4.8	4.8	3.7	15	7
	2:45	2.36	1648	2.7	2.7	2.2	-4.8	0	-0.8	*	3.9	14.9	6.98
	3:00	2.96	1650	3	3	2.4	-4.8	1	-0.8	*	3.9	14.9	6.95
	3:15	1.81	1647	2.4	2.4	2	-4.6	0	-0.8	*	4.1	15	6.97
	3:30	2.56	1651	2.8	2.8	2.3	-4.6	1	-0.8	*	4.1	14.9	6.96
	3:45	3.49	1603	2.7	2.7	2.5	6.96	1731	5	5	3.9	14.9	6.96
	4:00	2.16	1651	2.6	2.6	2.1	-4.7	1	-0.8	*	4.3	14.9	6.98
	4:15	2.96	1652	3	3	2.4	-4.7	1	-0.8	*	4.3	14.9	6.95
	4:30	0.49	1227	1.7	1.7	2.5	8.61	1748	5.8	5.8	4.4	15	6.96
	4:45	2.16	1651	2.6	2.6	2.2	-4.7	1	-0.8	*	4.4	15	6.98
	5:00	2.96	1648	3	3	2.4	-4.7	1	-0.8	*	4.4	14.9	6.96
	5:15	1.76	1646	2.4	2.4	2	-4.7	1	-0.8	*	3.7	15	6.99
	5:30	2.56	1649	2.8	2.8	2.3	-4.7	1	-0.8	*	3.7	15	6.96
	5:45	3.86	1507	2.8	2.8	2.5	6.08	1715	4.6	4.6	3.7	15	6.95
	6:00	2.16	1650	2.6	2.6	2.2	-4.8	0	-0.8	*	4	15	6.98
	6:15	2.96	1648	3	3	2.4	-4.8	1	-0.8	*	4	15	6.94
	6:30	0.45	1319	1.7	1.7	2.5	-4.7	1	-0.8	*	4.2	15	6.95
	6:45	2.56	1653	2.8	2.8	2.3	-4.7	1	-0.8	*	4.2	15	6.93
	7:00	3.16	1654	3.1	3.1	2.5	-4.7	1	-0.8	*	4.2	15	6.93
	7:15	2.16	1648	2.6	2.6	2.1	-4.7	1	-0.8	*	4.4	15	6.93
	7:30	2.76	1650	2.9	2.9	2.3	-4.7	1	-0.8	*	4.4	15	6.88
	7:45	-2.4	1	-1.2	*	2.5	7.92	1748	5.5	5.5	4.3	15	6.88
	8:00	1.83	1627	2.5	2.5	2.1	-4.7	0	-0.8	*	4.4	15	6.94
	8:15	2.92	1659	3	3	2.4	-4.7	1	-0.8	*	4.4	15	6.93
	8:30	-3.8	1	-0.7	*	2.6	5.96	1663	4.5	4.5	3.6	15	6.96
	8:45	2.32	1664	2.7	2.7	2.2	-4.6	0	-0.8	*	3.9	15	6.92

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp °C	pH
	9:00	2.96	1665	3	3	2.4	-4.6	1	-0.8	*	3.9	14.9	6.89
	9:15	1.83	1662	2.5	2.5	2	6.56	1658	4.8	4.8	3.9	15	6.93
	9:30	2.81	1666	2.9	2.9	2.3	-4.7	1	-0.8	*	4.2	15	6.91
	9:45	4.4	1648	3.2	3.2	2.6	-4.7	0	-0.8	*	4.2	14.9	6.88
	10:00	2.36	1665	2.7	2.7	2.2	-4.8	1	-0.8	*	4.1	15	6.96
	10:15	2.92	1669	3	3	2.4	-4.8	1	-0.8	*	4.1	14.9	6.93
	10:30	0.72	1402	1.9	1.9	2.6	7.74	1656	5.3	5.3	4.3	15	6.94
	10:45	2.41	1660	2.7	2.7	2.2	-4.6	1	-0.8	*	4.3	15	6.95
	11:00	2.96	1662	3	3	2.4	-4.6	1	-0.8	*	4.3	15	6.96
	11:15	2.16	1659	2.6	2.6	2.1	-4.6	0	-0.8	*	3.7	15.1	7.02
	11:30	2.76	1660	2.9	2.9	2.4	-4.6	1	-0.8	*	3.7	15.2	6.98
	11:45	-3.9	1	-0.8	*	2.5	-4.6	0	-0.8	*	3.7	15.2	6.96
	12:00	-4.4	1	-0.7	*	2.2	-4.6	0	-0.8	*	4.1	15.3	7
	12:15	2.72	1670	2.9	2.9	2.4	-4.6	0	-0.8	*	4.1	15.3	6.96
	12:30	-2.4	1	-0.7	*	2.5	6.72	1665	4.9	4.9	4	15.4	6.96
	12:45	2.36	1663	2.7	2.7	2.2	-4.1	1	-0.9	*	4.2	15.5	6.99
	13:00	2.56	1666	2.8	2.8	2.3	-4.6	1	-0.8	*	4.2	15.5	6.98
	13:15	-3.9	1	-0.8	*	2.5	5.61	1663	4.3	4.3	3.6	15.6	7.02
	13:30	2.16	1667	2.6	2.6	2.2	-4.7	1	-0.8	*	3.7	15.7	7.05
	13:45	2.76	1667	2.9	2.9	2.4	-4.7	0	-0.8	*	3.7	15.8	7.01
	14:00	-3.1	1	-0.7	*	2.5	6.19	1668	4.7	4.7	3.9	15.8	7.02
	14:15	2.36	1663	2.7	2.7	2.3	-4.6	1	-0.8	*	3.7	15.9	7.03
	14:30	2.92	1669	3	3	2.5	-4.6	1	-0.8	*	3.7	15.9	7.02
	14:45	2.14	1672	2.5	2.5	2.1	6.36	1656	4.7	4.7	4	16	7.04
	15:00	2.88	1647	2.7	2.7	2.2	5.52	1552	4.3	4.3	4.2	16.1	7.04
	15:15	1.96	1662	2.5	2.5	2.1	-4.7	1	-0.8	*	4.3	16	7.02
	15:30	2.56	1668	2.8	2.8	2.3	-4.7	0	-0.8	*	4.3	16.1	7.01
	15:45	-3.5	1	-0.8	*	2.5	7.36	1659	5.2	5.2	4.3	16.1	7.01
	16:00	1.81	1605	2.4	2.4	2.1	-4.6	0	-0.8	*	4.3	16.1	7.03
	16:15	2.56	1663	2.8	2.8	2.4	-4.6	0	-0.8	*	4.3	16.1	7.02
	16:30	1.43	1646	2.3	2.3	2.4	-4.6	1	-0.8	*	4.3	16.1	7.02
	16:45	2.1	1673	2.7	2.7	2.3	-4.6	1	-0.8	*	4.3	16.2	7.04
	17:00	2.92	1656	3	3	2.5	5.23	1609	4.2	4.2	3.7	16.2	7.06
	17:15	1.76	1640	2.4	2.4	2	-4.6	1	-0.8	*	4	16.1	7.07
	17:30	2.41	1667	2.7	2.7	2.3	-4.6	1	-0.8	*	4	16	7.02
	17:45	2.96	1666	3	3	2.5	-36	1	-17	*	4	16	7.02

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	18:00	-1.8	1	-0.7	*	2.7	-4.8	1	-0.8	*	14.9	16.1	7.02
	18:15	2.49	1660	2.7	2.7	2.3	3.29	1430	3.1	3.1	4.1	16	7.03
	18:30	2.96	1666	3	3	2.4	-4.6	1	-0.8	*	4.1	15.9	7.01
	18:45	2.01	1695	2.5	2.5	2	-4.8	1	-0.8	*	3.7	15.9	7.02
	19:00	2.56	1676	2.8	2.8	2.3	-4.8	0	-0.8	*	3.7	15.8	7.01
	19:15	3.81	1635	3.1	3.1	2.6	4.85	1517	3.9	3.9	3.7	15.7	6.99
	19:30	2.36	1693	2.7	2.7	2.2	-4.8	1	-0.8	*	4	15.8	7.02
	19:45	2.96	1683	3	3	2.4	-4.8	1	-0.8	*	4	15.7	6.99
	20:00	-3.6	1	-0.7	*	2.6	7.29	1658	5.1	5.1	4.2	15.8	7
	20:15	2.36	1726	2.7	2.7	2.2	-2.6	1	-1.3	*	4.1	15.7	6.98
	20:30	3.01	1724	3	3	2.4	-4.6	1	-0.8	*	4.1	15.6	6.99
	20:45	4.16	1625	3.1	3.1	2.6	5.45	1638	4.2	4.2	3.5	15.6	6.98
	21:00	2.36	1669	2.7	2.7	2.2	-4.7	1	-0.8	*	3.8	15.7	6.99
	21:15	2.96	1666	3	3	2.5	-4.7	1	-0.8	*	3.8	15.6	6.97
	21:30	-4.6	1	-0.9	*	2.6	6.69	1659	4.8	4.8	4	15.7	6.98
	21:45	-33	1	-15	*	2.1	7.16	1665	5.1	5.1	4.2	15.7	6.98
	22:00	0.9	1	1.6	1.6	31.1	5.52	1663	4.3	4.3	3.6	15.8	6.99
	22:15	1.88	1493	2.5	2.5	2.1	-4.9	1	-0.8	*	3.9	15.7	6.99
	22:30	2.85	1656	2.9	2.9	2.4	6.28	1666	4.7	4.7	3.9	15.7	6.98
	22:45	1.76	1646	2.4	2.4	2	6.72	1640	4.9	4.9	4.1	15.8	6.98
	23:00	2.56	1663	2.8	2.8	2.3	-4.7	1	-0.8	*	4.2	15.7	6.96
	23:15	3.54	1682	3.2	3.2	2.7	-12	1	-5.4	*	4.1	15.8	6.96
	23:30	-4.4	1	-0.7	*	2.5	-4.5	1	-0.8	*	3.8	15.8	6.99
	23:45	2.36	1663	2.7	2.7	2.3	-4.5	0	-0.8	*	3.8	15.8	6.97
3/11/2014	0:00	3.01	1663	3	3	2.5	-4.5	1	-0.8	*	3.8	15.8	6.97
	0:15	1.92	1663	2.5	2.5	2.1	-4.6	1	-0.8	*	4	15.8	6.99
	0:30	2.76	1664	2.9	2.9	2.4	-4.6	0	-0.8	*	4	15.8	6.95
	0:45	-11	1	-4.4	*	2.5	6.32	1665	4.7	4.7	3.9	15.8	6.95
	1:00	2.36	1666	2.7	2.7	2.2	-4.7	1	-0.8	*	4.2	15.9	6.93
	1:15	2.96	1661	3	3	2.5	-4.7	1	-0.8	*	4.2	15.9	6.88
	1:30	1.76	1662	2.4	2.4	2	8.32	1649	5.2	5.2	4.3	15.9	6.9
	1:45	2.16	1664	2.6	2.6	2.2	-4.6	1	-0.8	*	4.3	15.9	6.91
	2:00	2.96	1666	3	3	2.5	-4.6	0	-0.8	*	4.3	15.9	6.89
	2:15	1.96	1655	2.5	2.5	2.1	-4.8	1	-0.8	*	3.6	16	6.96
	2:30	2.65	1659	2.8	2.8	2.4	-4.8	1	-0.8	*	3.6	15.9	6.9
	2:45	3.95	1505	2.8	2.8	2.5	5.96	1661	4.5	4.5	3.8	16	6.88

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

15 minute data

		TCEQ-10J											
Date	Time	Outlet PSI Cell 4 (calc)	Flow (gpm) Cell 4	Cell 4 TMP (psi)	Cell 4 TMP on-line (psi)	Cell 4 Resistance	Outlet PSI Cell 5 (calc)	Flow (gpm) Cell 5	Cell 5 TMP (psi)	Cell 5 TMP on-line (psi)	Cell 5 Resistance	Temp ˚C	pH
	3:00	2.16	1663	2.6	2.6	2.2	-4.8	1	-0.8	*	4	16	6.87
	3:15	2.92	1665	3	3	2.4	-4.8	1	-0.8	*	4	16	6.85
	3:30	2.03	1660	2.6	2.6	2.5	-4.7	1	-0.8	*	3.9	16	6.86
	3:45	2.56	1657	2.8	2.8	2.4	-4.7	1	-0.8	*	3.9	16	6.87
	4:00	3.16	1662	3.1	3.1	2.6	1.21	977	2.1	2.1	3.9	16	6.85
	4:15	2.21	1660	2.6	2.6	2.2	-4.8	1	-0.8	*	4.3	16.1	6.9
	4:30	2.81	1665	2.9	2.9	2.4	-4.8	1	-0.8	*	4.3	16.1	6.85
	4:45	3	1821	2.8	2.8	2.5	-2.7	569	-0.7	*	4.2	16.1	6.87
	5:00	2.6	1810	2.6	2.6	2	6.12	1661	4.6	4.6	3.9	16.1	6.93
	5:15	2.6	1832	2.6	2.6	2	7.32	1665	5.2	5.2	4.3	16.1	6.91
	5:30	-4	1	-0.7	*	2.1	7.29	1923	5.1	5.1	3.7	16.1	6.93
	5:45	-4	1	-0.8	*	2.1	9.09	1895	6	6	4.4	16.2	6.97
	6:00	-25	1	-12	*	2	8.63	1902	5.9	5.9	4.3	16.2	6.97
	6:15	1.96	1665	2.5	2.5	2	-4.7	1	-0.8	*	4.6	16.2	6.98
	6:30	2.36	1665	2.7	2.7	2.3	-4.7	1	-0.8	*	4.6	16.2	6.96
	6:45	1.56	1650	2.3	2.3	1.9	10.3	1881	6.3	6.3	4.6	16.2	6.97
	7:00	1.92	1661	2.5	2.5	2.1	-4.5	1	-0.8	*	4.6	16.2	6.98
	7:15	2.56	1661	2.8	2.8	2.3	-4.5	1	-0.8	*	4.6	16.2	6.96
	7:30	1.56	1663	2.3	2.3	1.9	-4.6	1	-0.8	*	3.8	16.2	6.97
	7:45	2.16	1664	2.6	2.6	2.2	-4.6	1	-0.8	*	3.8	16.2	6.95
	8:00	3.33	1523	2.6	2.6	2.4	-4.6	1	-0.8	*	3.8	16.2	6.95
	8:15	2.09	1656	2.5	2.5	2.1	-4.6	1	-0.8	*	3.9	16.2	6.97
	8:30	2.69	1658	2.8	2.8	2.3	-4.6	1	-0.8	*	3.9	16.2	6.94
	8:45	1.28	1609	2.2	2.2	2.4	-4.9	1	-0.8	*	4.1	16.3	6.95
	9:00	2.29	1660	2.6	2.6	2.2	-4.9	1	-0.8	*	4.1	16.2	6.95
	9:15	3.07	1652	2.9	2.9	2.5	5.92	1605	4.5	4.5	4.1	16.2	6.94
	9:30	1.81	1664	2.4	2.4	2	-4.7	1	-0.8	*	4.2	16.3	6.97
	9:45	2.36	1662	2.7	2.7	2.3	-4.7	1	-0.8	*	4.2	16.3	6.94
	10:00	-2.7	1	-0.7	*	2.5	7.32	1664	5.2	5.2	4.4	16.4	6.98
	10:15	1.72	1637	2.4	2.4	2.1	-4.5	1	-0.8	*	4.5	16.4	6.98
	10:30	2.61	1664	2.8	2.8	2.3	-4.5	1	-0.8	*	4.5	16.4	6.97
	10:45	1.45	1596	2.2	2.2	2.5	-4.7	1	-0.8	*	3.9	16.5	7.02
	11:00	2.16	1664	2.6	2.6	2.2	-4.7	1	-0.8	*	3.9	16.5	6.99
	11:15	2.89	1656	2.9	2.9	2.5	-4.7	1	-0.8	*	3.9	16.5	6.98
	11:30	1.76	1667	2.4	2.4	2	-4.8	1	-0.8	*	4.1	16.5	7.01
	11:45	2.36	1658	2.7	2.7	2.3	-4.8	1	-0.8	*	4.1	16.6	6.98

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
1/27	2:00	1.2	1.15	0.42	1.32	1.16	1.07	2.99	2.85	1587	1361	15.1	12.9	17.4	14.9	13.2	5
	6:00	1.28	1.22	0.34	1.4	1.18	1.29	3.4	2.97	1607	1575	15.3	15	18.7	18.3	13.3	5.38
	10:00	1.39	1.3	0.15	1.49	1.25	-0.6	3.66	3.01	1498	1648	14.3	15.7	18.7	20.6	12.5	5.62
	14:00	1.33	1.25	0.61	1.66	1.3	1.65	3.58	2.81	1701	1648	16.2	15.7	20.4	19.8	12.3	5.52
	18:00	1.26	1.2	0.31	1.57	1.29	0.8	3.01	2.78	1659	1654	15.8	15.7	19	19	12.2	6.32
	22:00	1.23	1.18	0.3	1.65	1.34	1.67	3.61	2.94	1633	1664	15.5	15.8	18.4	18.7	11.2	5.19
1/28	2:00	1.3	1.23	0.47	1.66	1.38	0.91	3.7	3.04	1664	1617	15.8	15.4	19.6	19.1	11.8	5.15
	6:00	1.28	1.22	-0.1	1.7	1.4	1.21	3.79	3.07	1666	1665	15.8	15.8	19.4	19.4	11.4	5.12
	10:00	1.36	1.28	0.37	1.81	1.44	1.59	4.03	3.21	1602	1624	15.2	15.4	19.7	19.9	10.9	4.94
	14:00	1.29	1.22	0.77	1.66	1.44	2.08	3.82	3.23	1554	1591	14.8	15.1	18.2	18.6	10.9	4.87
	18:00	1.31	1.24	0.2	1.76	1.38	1.25	4.68	3.39	1666	1794	15.9	17.1	19.8	21.3	11.3	4.54
	22:00	1.36	1.28	0.96	1.72	1.38	2.68	4.26	3.34	1643	1648	15.6	15.7	20.2	20.2	11.8	4.74
1/29	2:00	1.34	1.27	0.5	1.72	1.41	2.08	4.35	3.47	1615	1634	15.4	15.5	19.6	19.8	11.4	4.56
	6:00	1.37	1.29	0.53	1.77	1.43	1.71	4.35	3.39	1665	1666	15.8	15.9	20.6	20.6	11.6	4.73
	10:00	1.31	1.24	0.55	1.82	1.43	0.81	4.47	3.43	1644	1664	15.6	15.8	19.5	19.7	10.7	4.42
	14:00	1.22	1.18	1.14	1.81	1.43	0.58	4.32	3.09	1692	1680	16.1	16	18.9	18.8	10.5	4.35
	18:00	1.29	1.23	0.59	1.91	1.5	0.5	3.92	3.14	1677	1650	16	15.7	19.6	19.3	10.3	4.93
	22:00	1.35	1.27	0.2	1.82	1.5	1.89	4.06	3.21	1647	1655	15.7	15.7	20.1	20.2	11.1	4.97
1/30	2:00	1.27	1.21	1.28	1.94	1.5	2.33	4.21	3.34	1632	1662	15.5	15.8	18.9	19.3	9.73	4.58
	6:00	1.26	1.2	0.92	1.9	1.58	2.18	3.98	3.49	1604	1463	15.3	13.9	18.4	16.8	9.69	4.21
	10:00	1.23	1.18	0.94	1.75	1.53	2.3	4.3	3.35	1628	1628	15.5	15.5	18.3	18.3	10.5	4.27
	14:00	1.17	1.14	1.45	1.94	1.53	0.47	3.06	3.03	1659	1297	15.8	12.3	17.9	14	9.22	4.57
	18:00	1.24	1.18	1.42	2.12	1.58	0.81	3.54	3.01	1700	1432	16.2	13.6	19.2	16.2	9.04	4.57
	22:00	1.26	1.2	0.52	1.88	1.48	0.84	4.61	3.42	1653	1452	15.7	13.8	18.9	16.6	10.1	3.6
1/31	2:00	1.24	1.19	1.61	1.94	1.55	-0.3	4.1	3.29	1550	1108	14.7	10.5	17.6	12.6	9.05	3.07
	6:00	1.22	1.18	1.53	1.87	1.56	0.3	3.68	3.35	1596	1506	15.2	14.3	17.9	16.9	9.54	4.58
	10:00	1.22	1.17	1.63	1.97	1.56	0.31	3.73	3.26	1663	1512	15.8	14.4	18.5	16.8	9.41	4.51
	14:00	1.21	1.16	0.48	1.94	1.57	1.03	3.99	3.23	1535	1422	14.6	13.5	17	15.7	8.74	3.95
	18:00	1.24	1.19	1.61	1.98	1.59	0.28	3.61	3.26	1662	1483	15.8	14.1	18.8	16.8	9.52	4.65
	22:00	1.23	1.18	0.93	1.91	1.59	0.11	3.33	3.21	1618	1309	15.4	12.5	18.2	14.7	9.56	4.43
2/1	2:00	1.23	1.18	1.69	2.04	1.61	0.3	3.67	3.27	1661	1531	15.8	14.6	18.7	17.2	9.13	4.69
	6:00	1.29	1.23	0.29	1.98	1.54	1.57	4.68	3.48	1485	1563	14.1	14.9	17.4	18.3	8.78	3.91
	10:00	1.26	1.2	1.44	1.97	1.56	0.68	4.07	3.25	1662	1654	15.8	15.7	19.1	19	9.69	4.67
	14:00	1.2	1.15	1.65	1.99	1.58	1.12	3.06	3.27	1659	1321	15.8	12.6	18.2	14.5	9.15	4.74

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
	18:00	1.24	1.19	2.03	2.03	1.66	0.01	3.9	3.19	1652	1621	15.7	15.4	18.8	18.4	9.26	4.72
	22:00	1.27	1.21	0.97	2.32	1.85	1.59	4.01	3.06	1433	1689	13.6	16.1	16.5	19.5	7.12	4.85
2/2	2:00	1.24	1.19	1.84	2.17	1.73	0.27	3.58	3.16	1698	1506	16.2	14.3	19.3	17.1	8.88	4.78
	6:00	1.31	1.24	1.65	2.23	1.74	0.35	3.86	3.07	1697	1652	16.1	15.7	20.1	19.6	9.03	5.07
	10:00	1.21	1.17	1.03	2.28	1.77	0.08	4.02	3.13	1581	1661	15	15.8	17.6	18.4	7.7	4.59
	14:00	1.26	1.2	0.23	2.33	1.74	1.8	3.85	3.18	1695	1496	16.1	14.2	19.4	17.1	8.32	4.45
	18:00	1.3	1.23	1.58	2.11	1.74	0.93	4.57	3.52	1683	1812	16	17.2	19.8	21.4	9.38	4.68
	22:00	1.29	1.22	1.74	2.09	1.78	1.11	4.34	3.45	1535	1680	14.6	16	17.9	19.6	8.59	4.52
2/3	2:00	1.43	1.33	1.85	2.26	1.78	-0	3.55	3.31	1662	1446	15.8	13.8	21.3	18.5	9.42	5.2
	6:00	1.4	1.31	1.71	2.28	1.79	1.1	4.32	3.35	1660	1645	15.8	15.7	20.9	20.7	9.13	4.78
	10:00	1.35	1.27	2.07	2.29	1.81	0.46	4.31	3.32	1538	1663	14.6	15.8	18.7	20.2	8.17	4.7
	14:00	1.37	1.29	1.37	2.36	1.83	0.47	4.35	3.42	1666	1666	15.8	15.9	20.5	20.5	8.67	4.71
	18:00	1.27	1.21	1.98	2.39	1.86	0.1	4.28	3.42	1662	1371	15.8	13	19.1	15.8	8	3.69
	22:00	1.26	1.2	1.8	2.44	1.91	0.29	3.8	3.39	1646	1498	15.7	14.3	18.9	17.2	7.74	4.53
2/4	2:00	1.34	1.27	1.25	2.43	1.84	1.16	4.46	3.46	1327	668	12.6	6.36	16.1	8.1	6.63	1.82
	6:00	1.29	1.22	1.96	2.34	1.83	0.18	4.49	3.45	1454	544	13.8	5.17	17	6.35	7.25	1.41
	10:00	1.31	1.24	1.78	2.43	1.88	0.46	4.3	3.39	1382	666	13.1	6.34	16.4	7.92	6.77	1.84
	14:00	1.29	1.22	1.96	2.38	1.89	0.41	4.12	3.44	1407	572	13.4	5.44	16.4	6.68	6.91	1.62
	18:00	1.19	1.15	2.03	2.42	1.89	0.46	4.31	3.45	1445	663	13.7	6.31	15.8	7.24	6.52	1.68
	22:00	1.31	1.24	1.36	2.42	1.9	0.54	4.64	3.54	1342	736	12.8	7	15.9	8.75	6.59	1.89
2/5	2:00	1.29	1.22	2	2.42	1.98	0.14	4.37	3.48	1408	1236	13.4	11.8	16.5	14.4	6.79	3.31
	6:00	1.33	1.25	2.29	2.5	1.98	0.21	4.57	3.45	1520	1009	14.5	9.6	18.2	12.1	7.29	2.65
	10:00	1.43	1.33	2.19	2.59	2.01	0.87	4.54	3.51	1520	1370	14.5	13	19.4	17.5	7.5	3.86
	14:00	1.43	1.33	0.88	2.25	1.65	0.72	4.3	3.41	1192	1545	11.3	14.7	15.2	19.8	6.76	4.6
	18:00	1.38	1.3	2.06	2.72	1.74	-0	2.48	2.83	1607	1760	15.3	16.7	20	21.9	7.33	8.83
	22:00	1.37	1.29	0.76	2.61	1.89	-0.1	4.33	3.18	1157	1662	11	15.8	14.3	20.5	5.48	4.74
2/6	2:00	1.38	1.29	2.02	2.67	1.93	0.49	4.35	3.18	1351	1654	12.9	15.7	16.7	20.5	6.27	4.71
	6:00	1.38	1.3	1.13	2.51	2.51	1.16	4.43	3.31	1248	1613	11.9	15.3	15.5	20	6.18	4.52
	10:00	1.45	1.35	2.02	2.69	2	0.22	4.63	3.25	1391	1668	13.2	15.9	18	21.6	6.69	4.66
	14:00	1.45	1.35	1.89	2.77	1.98	0.76	4.2	3.33	1237	1122	11.8	10.7	16.1	14.6	5.81	3.47
	18:00	1.37	1.29	2.46	2.67	2.03	0.58	4.73	3.39	1499	1655	14.3	15.7	18.5	20.4	6.92	4.31
	22:00	1.37	1.29	1.83	2.87	2.01	1.44	5.18	3.48	1404	1732	13.4	16.5	17.3	21.4	6.04	4.13
2/7	2:00	1.33	1.26	1.23	2.74	1.96	1.16	5.46	3.54	1452	1745	13.8	16.6	17.5	21	6.38	3.85
	6:00	1.4	1.31	2.41	2.64	2.06	-0.1	5.05	3.54	1467	1295	14	12.3	18.5	16.3	7	3.23

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
	10:00	1.47	1.36	2.5	2.96	2.08	0.29	5	3.58	1542	1634	14.7	15.5	20.2	21.4	6.83	4.28
	14:00	1.4	1.31	2.85	2.85	2.12	1.31	4.85	3.53	1611	1636	15.3	15.6	20.2	20.6	7.1	4.24
	18:00	1.32	1.25	0.37	2.89	2.1	0.99	5.06	3.62	994	1659	9.46	15.8	11.9	19.8	4.1	3.91
	22:00	1.38	1.3	2.81	3.05	2.16	0.31	5.07	3.73	1538	1645	14.6	15.7	19.1	20.4	6.25	4.03
2/8	2:00	1.43	1.33	2.3	3.02	2.14	0.05	5	3.59	1344	1653	12.8	15.7	17.2	21.1	5.69	4.23
	6:00	1.38	1.3	2.32	3.01	2.14	0.61	4.85	3.62	1339	1586	12.7	15.1	16.7	19.8	5.55	4.07
	10:00	1.31	1.24	-0.1	2.93	2.13	1.71	5.03	3.59	1121	1640	10.7	15.6	13.3	19.5	4.55	3.88
	14:00	1.27	1.21	2.34	2.76	2.01	0.08	4	3.53	1435	1366	13.7	13	16.6	15.8	6	3.94
	18:00	1.32	1.25	2.5	2.75	2.07	0.71	5.25	3.68	1491	1720	14.2	16.4	17.8	20.6	6.47	3.92
	22:00	1.31	1.24	1.66	2.88	2.13	0.63	3.92	3.68	1432	1394	13.6	13.3	17	16.6	5.91	4.23
2/9	2:00	1.32	1.25	1.97	2.92	2.18	0.7	5.03	3.64	1241	1549	11.8	14.7	14.8	18.5	5.06	3.68
	6:00	1.29	1.22	1.61	2.82	2.1	0.62	4.88	3.59	1182	1639	11.2	15.6	13.8	19.1	4.91	3.93
	10:00	1.31	1.24	2.25	2.93	2.19	0.28	4.97	3.6	1372	1634	13.1	15.5	16.3	19.4	5.55	3.9
	14:00	1.27	1.21	2.68	2.93	2.14	0.43	4.13	3.61	1547	1178	14.7	11.2	17.9	13.6	6.13	3.31
	18:00	1.27	1.21	2.06	2.98	2.19	0.76	4.2	3.62	1241	1504	11.8	14.3	14.3	17.3	4.8	4.12
	22:00	1.33	1.25	2.27	2.95	2.18	0.82	4.38	3.67	1342	1528	12.8	14.5	16.1	18.3	5.45	4.18
2/10	2:00	1.33	1.26	2.37	2.57	2.06	0.59	4.76	3.73	1377	1744	13.1	16.6	16.6	21	6.45	4.42
	6:00	1.48	1.37	2.47	2.92	2.16	-0.8	4.8	3.29	1438	1732	13.7	16.5	18.9	22.8	6.49	4.75
	10:00	1.32	1.25	2.38	2.84	2.17	0.2	4.57	3.35	1410	1654	13.4	15.7	16.9	19.8	5.93	4.33
	14:00	1.46	1.36	2.43	2.9	298	0.77	4.22	3.39	1344	1308	12.8	12.4	17.6	17.1	6.05	4.05
	18:00	1.28	1.22	2.09	3.03	2.23	0.59	4.75	3.44	1230	1650	11.7	15.7	14.3	19.2	4.71	4.04
	22:00	1.3	1.23	2.26	2.95	2.27	0.23	4.67	3.46	1301	1613	12.4	15.3	15.3	19	5.21	4.07
2/11	2:00	1.38	1.3	1.61	3.14	2.29	0.26	4.87	3.57	1137	1642	10.8	15.6	14.1	20.4	4.5	4.19
	6:00	1.56	1.43	1.86	3.13	2.24	0.09	3.97	3.54	1448	1416	13.8	13.5	20	19.5	6.38	4.92
	10:00	1.4	1.31	0.64	3.21	2.26	1.58	4.79	3.55	938	1618	8.92	15.4	11.8	20.4	3.68	4.26
	14:00	1.37	1.29	1.61	3.05	2.18	1.03	5.04	3.68	1104	1652	10.5	15.7	13.6	20.3	4.45	4.03
	18:00	1.37	1.29	2.55	3.05	2.19	0.34	5	3.64	1533	1651	14.6	15.7	18.9	20.4	6.21	4.08
	22:00	1.39	1.3	2.58	3.05	2.24	0.49	4.35	3.61	1397	1484	13.3	14.1	17.5	18.5	5.72	4.26
2/12	2:00	1.35	1.27	2.51	2.99	2.26	0.08	5.07	3.69	1289	1652	12.3	15.7	15.7	20.2	5.26	3.98
	6:00	1.39	1.3	2.44	3.18	2.29	0.64	4.95	3.63	1323	1651	12.6	15.7	16.5	20.6	5.2	4.17
	10:00	1.36	1.28	2.96	3.2	2.33	-0.1	5.1	3.7	1549	1650	14.7	15.7	18.9	20.2	5.92	3.96
	14:00	1.28	1.22	2.41	3.2	2.31	0.64	4.95	3.64	1332	1649	12.7	15.7	15.5	19.2	4.84	3.87
	18:00	1.29	1.23	2	3.27	2.39	0.64	4.98	3.66	1137	1655	10.8	15.7	13.3	19.4	4.07	3.9
	22:00	1.3	1.23	2.33	3.02	2.24	1.88	5.33	3.93	1336	1670	12.7	15.9	15.7	19.7	5.21	3.69

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
2/13	2:00	1.32	1.25	2.36	3.07	2.29	0.68	5.1	3.87	1333	1616	12.7	15.4	15.9	19.3	5.18	3.78
	6:00	1.34	1.27	1.69	2.97	2.35	0.66	5.03	3.75	1411	1599	13.4	15.2	17.1	19.4	5.76	3.86
	10:00	1.25	1.2	2.9	3.14	2.49	0.94	4.78	3.92	1400	1559	13.3	14.8	16	17.8	5.09	3.72
	14:00	1.21	1.17	2.12	3.03	2.32	1.28	4.73	3.84	1341	1581	12.8	15	14.9	17.6	4.91	3.71
	18:00	1.2	1.16	2.29	3.03	2.35	0.64	4.98	3.81	1341	1653	12.8	15.7	14.8	18.3	4.89	3.67
	22:00	1.2	1.15	2.25	2.98	2.43	0.2	4.83	3.84	1300	1647	12.4	15.7	14.3	18.1	4.78	3.74
2/14	2:00	1.26	1.2	2.36	3.08	2.43	0.05	4.83	3.81	1344	1653	12.8	15.7	15.4	19	5.02	3.93
	6:00	1.24	1.19	0.36	3.07	2.36	1.58	5.57	3.84	939	1562	8.94	14.9	10.6	17.7	3.47	3.18
	10:00	1.24	1.19	2.38	2.85	2.35	0.51	4.43	3.86	1397	1298	13.3	12.3	15.9	14.7	5.57	3.33
	14:00	1.18	1.14	2.23	2.95	2.33	0.61	4.83	3.79	1358	1318	12.9	12.5	14.7	14.3	4.99	2.96
	18:00	1.15	1.12	2.89	3.44	2.47	-4.5	0	3.67	1575	1	15	0.01	16.7	0.01	4.87	0
	22:00	1.19	1.15	1.9	3.08	2.56	0.14	4.53	478	1406	1322	13.4	12.6	15.4	14.4	4.99	3.18
2/15	2:00	1.2	1.15	1.71	2.95	2.39	0.44	4.18	3.39	1241	827	11.8	7.87	13.6	9.08	4.62	2.17
	6:00	1.19	1.15	2.29	2.99	2.41	0.46	4.23	3.39	1345	804	12.8	7.65	14.7	8.8	4.92	2.08
	10:00	1.19	1.15	2.76	2.99	2.46	-0.4	2.8	3.46	1535	275	14.6	2.61	16.8	3	5.6	1.07
	14:00	1.05	1.04	1.66	2.95	2.44	-0.5	4.4	3.36	1425	341	13.6	3.25	14	3.36	4.76	0.76
	18:00	1.11	1.09	-0.2	2.84	2.27	1.49	4.43	3.53	1312	1052	12.5	10	13.6	10.9	4.78	2.46
	22:00	1.13	1.1	2.39	2.88	2.39	-0.4	4.4	3.59	1415	414	13.5	3.94	14.8	4.34	5.15	0.99
2/16	2:00	1.17	1.14	1.67	2.89	2.41	-0.4	4.35	3.58	1248	657	11.9	6.25	13.5	7.1	4.66	1.63
	6:00	1.21	1.17	0.94	2.83	2.41	0.56	4.65	3.66	1124	551	10.7	5.25	12.5	6.12	4.42	1.32
	10:00	1.14	1.11	2.48	2.94	2.44	0.51	4.43	3.54	1431	601	13.6	5.72	15	6.32	5.12	1.43
	14:00	1.07	1.05	0.92	2.81	2.37	-0.3	4.17	3.47	1178	420	11.2	4	11.7	4.18	4.18	1
	18:00	1.05	1.04	1.76	2.92	2.46	-0.4	3.63	3.58	1341	341	12.8	3.24	13.2	3.36	4.52	0.93
	22:00	1.14	1.11	2.04	3.02	2.56	0.13	4.2	3.55	1241	452	11.8	4.3	13.1	4.76	4.33	1.13
2/17	2:00	1.12	1.09	2.48	2.96	2.49	0.98	4.9	3.71	1476	755	14	7.18	15.3	7.82	5.16	1.6
	6:00	1.13	1.1	1.97	2.62	2.36	0.93	4.72	3.84	1241	706	11.8	6.72	12.9	7.36	4.93	1.56
	10:00	1.04	1.03	2.19	2.88	2.44	0.13	4.13	3.63	1342	414	12.8	3.93	13.1	4.02	4.54	0.97
	14:00	1.07	1.06	1.03	2.86	2.46	0.44	4.18	3.54	1132	471	10.8	4.48	11.3	4.71	3.95	1.13
	18:00	1.1	1.08	2.13	2.84	2.49	0.83	4.4	3.71	1159	553	11	5.26	11.8	5.64	4.16	1.28
	22:00	1.1	1.08	1.65	2.84	2.47	-0.1	3.73	3.73	1414	465	13.5	4.42	14.4	4.74	5.08	1.27
2/18	2:00	1.1	1.08	2.3	2.77	2.56	0.31	3.65	3.64	1367	430	13	4.09	14	4.39	5.03	1.2
	6:00	1.2	1.16	2.49	2.95	2.54	0.47	4.28	3.63	1427	462	13.6	4.39	15.8	5.1	5.34	1.19
	10:00	1.08	1.07	2	2.94	2.54	-0.2	4.1	3.63	1251	255	11.9	2.43	12.6	2.57	4.29	0.63
	14:00	1.01	1.01	1.29	2.86	2.36	1.23	4.62	3.69	949	876	9.03	8.33	9.05	8.35	3.17	1.81

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
	18:00	1.06	1.05	2.25	2.68	2.3	-0	3.43	3.66	1445	228	13.8	2.17	14.3	2.26	5.35	0.66
	22:00	1.1	1.08	2.31	2.79	2.36	-0.2	4.2	3.67	1448	228	13.8	2.17	14.8	2.32	5.3	0.55
2/19	2:00	1.1	1.08	2.53	2.75	2.4	0.85	3.6	3.76	1441	478	13.7	4.55	14.8	4.9	5.37	1.36
	6:00	1.13	1.1	1.31	3.03	2.52	0.66	3.88	3.56	1273	486	12.1	4.63	13.3	5.07	4.39	1.31
	10:00	1.07	1.06	2.49	2.94	2.49	-0.9	3.4	3.17	1474	315	14	2.99	14.7	3.14	5	0.92
	14:00	1.05	1.04	1.18	3.1	2.58	-3.9	*	3.24	1470	1	14	0.01	14.5	*	4.67	*
	18:00	1.04	1.03	2.56	3.04	2.62	-1.6	3.75	3.21	1500	207	14.3	1.97	14.7	2.03	4.82	0.54
	22:00	1.08	1.06	2.38	2.86	2.6	0.26	3.48	3.31	1416	391	13.5	3.72	14.2	3.92	4.96	1.13
2/20	2:00	1.05	1.04	1.7	2.78	2.41	0.85	4.52	3.58	1246	566	11.9	5.38	12.3	5.58	4.41	1.23
	6:00	1.07	1.05	2.35	2.8	2.49	-0.4	3.85	3.46	1445	481	13.7	4.58	14.4	4.79	5.14	1.24
	10:00	1.07	1.06	1.46	2.97	2.53	0.78	3.42	3.53	1148	563	10.9	5.35	11.5	5.62	3.86	1.64
	14:00	1.06	1.04	2.68	2.9	2.86	0.39	3.98	3.56	1377	404	13.1	3.84	13.6	3.99	4.69	1
	18:00	1.08	1.06	2.68	2.9	2.59	0.26	3.55	3.52	1530	387	14.6	3.68	15.4	3.89	5.31	1.1
	22:00	1.12	1.09	2.73	2.96	2.6	-0.2	3.85	3.45	1545	207	14.7	1.97	16	2.14	5.41	0.56
2/21	2:00	1.1	1.08	2.5	2.96	2.66	0.43	4.13	3.48	1431	442	13.6	4.21	14.6	4.53	4.95	1.1
	6:00	1.11	1.08	2.76	3.02	2.68	-0.2	3.8	3.45	1529	208	14.5	1.98	15.7	2.14	5.21	0.56
	10:00	1.07	1.06	2.71	3.52	2.85	-4	4.1	3.59	1481	105	14.1	1	14.8	1.05	4.22	0.26
	14:00	1.04	1.03	2.66	3.14	2.52	0.79	4.5	3.62	1531	859	14.6	8.17	14.9	8.36	4.74	1.86
	18:00	1.06	1.05	2.46	3.21	2.58	0.42	4.08	3.49	1444	412	13.7	3.92	14.3	4.09	4.47	1
	22:00	1.13	1.1	2.11	3.52	2.8	-0.7	4.03	3.56	1577	304	15	2.89	16.4	3.17	4.67	0.79
2/22	2:00	1.1	1.08	2.91	3.15	2.69	0.46	4.23	3.62	1543	409	14.7	3.89	15.7	4.17	5	0.99
	6:00	1.11	1.08	2.45	3.18	2.73	0.53	4.5	3.73	1352	415	12.9	3.95	13.9	4.27	4.37	0.95
	10:00	1.07	1.06	2.68	3.2	2.75	0.13	4.17	3.73	1453	313	13.8	2.98	14.5	3.13	4.55	0.75
	14:00	1.06	1.05	1.91	3.15	2.74	0.36	3.88	3.71	1236	391	11.8	3.72	12.3	3.87	3.89	1
	18:00	1.08	1.07	2.72	3.21	2.83	-0.1	3.13	3.64	1453	253	13.8	2.41	14.7	2.56	4.56	0.82
	22:00	1.09	1.07	2.46	3.2	2.83	0.84	4.44	3.65	1317	530	12.5	5.04	13.3	5.36	4.16	1.21
2/23	2:00	1.08	1.07	1.68	3.04	2.69	0.43	5.08	4.03	1331	458	12.7	4.36	13.4	4.62	4.42	0.91
	6:00	1.1	1.08	2.61	3.11	2.72	0.48	4.33	3.85	1441	418	13.7	3.97	14.7	4.26	4.73	0.99
	10:00	1.09	1.07	2.22	3.24	2.81	0.27	3.48	3.89	1247	312	11.9	2.97	12.7	3.18	3.91	0.91
	14:00	1.07	1.06	2.71	3.2	2.82	0.06	2.63	3.78	1432	235	13.6	2.24	14.3	2.35	4.47	0.89
	18:00	1.11	1.09	2.98	3.23	2.85	-0.2	4.3	3.88	1549	206	14.7	1.96	16	2.12	4.94	0.49
	22:00	1.15	1.12	1.53	3.35	2.91	0.48	4.3	3.8	1248	410	11.9	3.9	13.3	4.36	3.96	1.01
2/24	2:00	1.13	1.1	3.07	3.33	2.96	0.68	3.96	3.88	1515	477	14.4	4.54	15.9	5	4.77	1.26
	6:00	1.16	1.13	2.6	3.42	2.94	0.22	4.63	3.88	1456	312	13.9	2.97	15.6	3.34	4.56	0.72

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
	10:00	1.08	1.07	1.19	3.37	2.89	1.06	5.16	4.06	1259	553	12	5.26	12.7	5.58	3.77	1.08
	14:00	1.1	1.08	3.31	3.58	2.88	0.51	4.43	3.64	1645	440	15.7	4.19	16.8	4.51	4.7	1.02
	18:00	1.13	1.1	2.5	3.38	2.9	0.42	4.43	3.8	1468	333	14	3.17	15.3	3.49	4.54	0.79
	22:00	1.12	1.09	2.09	3.41	3.02	0.49	4.35	3.59	1124	417	10.7	3.96	11.6	4.32	3.42	0.99
2/25	2:00	1.16	1.13	3.04	3.61	3.01	-0.2	4.25	3.6	1455	222	13.8	2.12	15.6	2.38	4.32	0.56
	6:00	1.2	1.16	3.01	3.55	3.04	0.08	4.1	3.63	1410	311	13.4	2.95	15.6	3.43	4.38	0.84
	10:00	1.15	1.12	2.81	3.66	3.01	0.13	4.17	3.51	1351	324	12.9	3.08	14.4	3.45	3.93	0.83
	14:00	1.18	1.14	2.31	3.6	3.01	0.02	3.57	3.64	1349	266	12.8	2.53	14.6	2.88	4.06	0.81
	18:00	1.23	1.18	2.54	3.69	3.01	0.22	4.7	3.69	1353	422	12.9	4.02	15.2	4.76	4.13	1.01
	22:00	1.24	1.19	2.16	3.52	2.88	1.43	5.15	3.86	1137	706	10.8	6.71	12.9	7.99	3.66	1.55
2/26	2:00	1.21	1.17	3.28	3.55	2.94	0.45	4.55	3.79	1443	433	13.7	4.12	16	4.81	4.51	1.06
	6:00	1.21	1.16	2.91	3.75	3.05	0.62	3.74	3.71	1371	414	13	3.94	15.2	4.59	4.05	1.23
	10:00	1.33	1.25	2.89	3.72	3.09	0.46	3.36	3.78	1298	487	12.3	4.63	15.6	5.84	4.19	1.74
	14:00	1.21	1.16	-0.3	2.8	1.97	3.69	5.75	3.95	283	1290	2.7	12.3	3.14	14.3	1.12	2.48
	18:00	1.27	1.21	-1.4	1.97	1.69	4.22	5.85	4.28	366	1477	3.48	14.1	4.21	17	2.14	2.91
	22:00	1.22	1.18	-2.9	1.78	1.12	5.24	6.16	4.44	501	1710	4.77	16.3	5.61	19.2	3.16	3.11
2/27	2:00	1.23	1.18	-1.1	1.15	1.1	5.44	6.33	4.67	173	1597	1.65	15.2	1.95	18	1.7	2.84
	6:00	1.23	1.18	-2.2	*	1.1	4.94	6.81	4.76	1	1755	0.01	16.7	*	19.8	*	2.9
	10:00	1.21	1.17	0.03	0.86	1.19	5.1	7.08	4.63	460	1622	4.38	15.4	5.11	18	5.95	2.55
	14:00	1.15	1.12	1.52	2.55	1.77	-0.6	3	2.08	1344	164	12.8	1.56	14.2	1.74	5.57	0.58
	18:00	1.2	1.16	1.35	2.53	1.8	-1.7	*	1.92	1636	1	15.6	0.01	18.1	*	7.15	*
	22:00	1.27	1.21	1.63	2.65	1.96	-1.4	1.4	1.15	1608	802	15.3	7.63	18.6	9.29	7.03	6.63
2/28	2:00	1.2	1.16	2.09	2.82	2	-2.3	*	0.9	1598	1	15.2	0.01	17.6	*	6.23	*
	6:00	1.19	1.15	2.36	2.8	2.11	-1.4	*	0.9	1541	1	14.7	0.01	16.9	*	6.03	*
	10:00	1.15	1.12	2.22	3.25	2.19	-1.4	*	0.9	1626	1	15.5	0.01	17.2	*	5.31	*
	14:00	1.08	1.06	2.57	3.34	2.22	-2.3	*	0.9	1673	1	15.9	0.01	16.8	*	5.03	*
	18:00	1.13	1.1	0.41	2.94	2.17	-3.7	*	0.9	1306	1	12.4	0.01	13.7	*	4.65	*
	22:00	1.14	1.11	2.49	2.99	2.22	-3.2	1.57	0.9	1644	16.6	15.6	0.16	17.3	0.17	5.8	0.11
3/1	2:00	1.13	1.1	1.82	2.66	2.03	-0.3	2.76	2.14	1373	617	13.1	5.87	14.3	6.45	5.4	2.34
	6:00	1.13	1.1	2	2.19	1.89	-0	3.27	2.81	1454	394	13.8	3.75	15.2	4.11	6.93	1.26
	10:00	1.11	1.09	1.78	2.37	1.93	-1.1	3	3.07	1357	376	12.9	3.58	14	3.88	5.91	1.29
	14:00	1.07	1.06	1.59	2.26	1.93	0.16	3.23	2.93	1555	472	14.8	4.49	15.5	4.71	6.87	1.46
	18:00	1.13	1.1	1.06	2.34	2.03	0.36	2.92	2.8	1354	104	12.9	0.99	14.1	1.08	6.04	0.37
	22:00	1.15	1.12	1.42	2.42	2.01	-0.2	3.75	3.1	1249	221	11.9	2.1	13.2	2.34	5.48	0.62

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
3/2	2:00	1.22	1.17	1.07	2.32	1.99	0.48	3.3	3.02	1307	494	12.4	4.7	14.5	5.5	6.28	1.67
	6:00	1.24	1.18	0.56	2.5	4.24	0.74	3.32	2.92	1145	547	10.9	5.2	12.9	6.17	5.17	1.86
	10:00	1.17	1.14	2.04	2.47	2.08	0.1	2.8	2.73	1460	453	13.9	4.31	15.8	4.89	6.38	1.75
	14:00	1.17	1.13	0.88	2.5	1.96	0.85	3.6	2.95	943	827	8.97	7.86	10.2	8.9	4.06	2.47
	18:00	1.22	1.18	1.63	2.46	2.06	0.94	3.85	3.06	1316	1108	12.5	10.5	14.7	12.4	5.99	3.22
	22:00	1.25	1.19	2.44	2.65	2.11	0.68	3.94	3.08	1543	690	14.7	6.57	17.6	7.86	6.62	1.99
3/3	2:00	1.32	1.25	2.14	2.78	2.15	0.06	3.93	3.15	1362	554	13	5.27	16.2	6.61	5.83	1.68
	6:00	1.46	1.36	2.02	2.94	2.28	0.68	4.16	3.35	1231	1166	11.7	11.1	16.1	15.2	5.47	3.66
	10:00	1.33	1.25	2.28	2.98	2.31	-0.2	4.1	3.3	1339	1108	12.7	10.5	16.1	13.3	5.39	3.24
	14:00	1.36	1.28	0.81	2.95	223	0.22	4.63	3.46	1139	622	10.8	5.92	14	7.63	4.73	1.65
	18:00	1.28	1.22	2.6	3.08	2.38	0.36	3.85	3.31	1427	1056	13.6	10.1	16.6	12.3	5.39	3.19
	22:00	1.26	1.2	1.11	2.98	2.27	1.98	5.56	3.71	1150	1397	10.9	13.3	13.2	16	4.43	2.89
3/4	2:00	1.32	1.25	2.51	3.01	2.28	0.55	4.6	3.54	1369	1092	13	10.4	16.4	13.1	5.43	2.84
	6:00	1.43	1.34	2.14	3.09	2.28	0.36	4.18	3.59	1246	1535	11.9	14.6	16	19.7	5.17	4.71
	10:00	1.35	1.27	1.25	3.1	2.26	0.22	4.63	3.51	1144	994	10.9	9.45	13.9	12.1	4.49	2.61
	14:00	1.2	1.16	1.91	2.87	2.28	0.72	4.08	3.47	1207	1524	11.5	14.5	13.3	16.8	4.64	4.11
	18:00	1.3	1.23	1.12	3.11	2.33	0.58	4.7	3.56	1145	1333	10.9	12.7	13.5	15.7	4.33	3.33
	22:00	1.33	1.26	2.55	3.06	2.3	0.22	4.63	3.64	1479	991	14.1	9.43	17.8	12	5.82	2.58
3/5	2:00	1.25	1.2	2.23	2.93	2.27	1.08	5.22	3.78	1248	1014	11.9	9.64	14.3	11.6	4.86	2.22
	6:00	1.26	1.2	1.35	3.03	2.31	0.95	4.8	3.64	1258	1028	12	9.78	14.4	11.8	4.75	2.45
	10:00	1.26	1.2	1.16	2.88	2.22	0.99	4.94	3.7	1244	1384	11.8	13.2	14.2	15.9	4.96	3.21
	14:00	1.22	1.17	2.41	2.86	2.18	0.18	4.4	3.58	1444	830	13.7	7.89	16.1	9.24	5.63	2.1
	18:00	1.26	1.2	1.81	2.79	2.29	0.03	3.63	3.75	1493	482	14.2	4.59	17.1	5.52	6.12	1.52
	22:00	1.33	1.26	1.9	2.98	2.31	0.23	4.7	3.76	1341	828	12.8	7.88	16.1	9.96	5.4	2.12
3/6	2:00	1.22	1.18	2.45	2.98	2.34	-0.9	3.67	3.84	1433	558	13.6	5.31	16	6.25	5.39	1.7
	6:00	1.24	1.18	2.32	3.03	2.37	0.21	4.6	3.81	1427	715	13.6	6.8	16.1	8.07	5.32	1.76
	10:00	1.21	1.16	1.35	2.87	4.38	0.39	4	3.78	1246	663	11.9	6.31	13.8	7.35	4.81	1.84
	14:00	1.13	1.1	2.18	2.85	2.29	0.46	4.7	3.76	1352	739	12.9	7.03	14.2	7.74	4.97	1.65
	18:00	1.19	1.15	2.29	2.75	2.26	1.5	5.33	3.99	1381	1311	13.1	12.5	15.1	14.3	5.49	2.68
	22:00	1.25	1.2	1.96	2.91	2.29	0.64	3.8	3.75	1575	715	15	6.8	18	8.17	6.19	2.15
3/7	2:00	1.18	1.14	1.75	2.94	2.39	0.21	3.33	3.34	1431	499	13.6	4.75	15.5	5.41	5.27	1.63
	6:00	1.21	1.16	2.19	2.92	2.36	0.15	4.27	3.37	1352	624	12.9	5.93	15	6.91	5.14	1.62
	10:00	1.11	1.09	1.24	2.92	2.38	0.71	4.06	3.42	1303	709	12.4	6.75	13.5	7.33	4.62	1.81
	14:00	1.09	1.07	2.26	2.77	2.36	0.45	4.2	3.48	1390	604	13.2	5.74	14.1	6.13	5.09	1.46

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

4 hour data

		TCEQ-10J															
Date	Time	TCF	Viscosity of Water at T	AVG TMP 4 (psi)	AVG TMP 4 on-line (psi)	Resistance 4	AVG TMP 5 (psi)	AVG TMP 5 on-line (psi)	Resistance 5	Average Flow Cell 4 (gpm)	Average Flow Cell 5 (gpm)	AVG Flux 4 (gfd)	AVG Flux 5 (gfd)	AVG Normalized Flux 4 (gfd)	AVG Normalized Flux 5 (gfd)	AVG Specific Flux @ 20 4 (gfd)	AVG Specific Flux @ 20 5 (gfd)
	18:00	1.13	1.1	2.33	3.04	2.43	0.01	3.7	3.6	1388	412	13.2	3.91	14.5	4.31	4.79	1.17
	22:00	1.12	1.1	1.01	2.96	2.59	1.25	4.67	3.73	1138	848	10.8	8.07	11.8	8.82	4	1.89
3/8	2:00	1.11	1.09	2.03	2.94	2.38	0.99	4.94	3.69	1273	890	12.1	8.47	13.2	9.21	4.47	1.86
	6:00	1.15	1.12	1.21	2.71	2.22	1.01	4.78	3.86	967	957	9.2	9.11	10.3	10.2	3.8	2.13
	10:00	1.17	1.13	1.88	2.77	2.34	0.23	4.7	3.71	1241	464	11.8	4.41	13.4	4.99	4.83	1.06
	14:00	1.18	1.14	2.23	2.86	2.35	0.06	4	3.78	1450	531	13.8	5.05	15.8	5.77	5.5	1.44
	18:00	1.2	1.16	1.71	2.88	2.35	0.59	4.78	3.79	1473	522	14	4.96	16.3	5.76	5.65	1.21
	22:00	1.17	1.13	2.25	2.94	2.38	0.16	4.3	3.93	1380	362	13.1	3.45	14.8	3.89	5.04	0.91
3/9	2:00	1.19	1.15	1.8	2.98	2.39	0.61	3.72	3.86	1274	538	12.1	5.12	14	5.89	4.69	1.58
	6:00	1.2	1.15	2.11	2.76	4.83	0.6	4.8	3.84	1273	590	12.1	5.61	14	6.48	5.06	1.35
	10:00	1.15	1.12	2.48	2.93	2.4	0.24	4.77	3.76	1441	492	13.7	4.68	15.3	5.24	5.24	1.1
	14:00	1.08	1.06	2.35	2.79	2.3	0.57	4.8	3.94	1465	459	13.9	4.37	14.8	4.62	5.28	0.96
	18:00	1.12	1.09	-9.1	1.95	2.04	2.28	4.72	4.05	310	1018	2.95	9.69	3.22	10.6	1.65	2.24
	22:00	1.17	1.13	2.03	2.65	2.3	0.2	4.7	4.07	1308	427	12.4	4.06	14.1	4.6	5.31	0.98
3/10	2:00	1.14	1.11	2.24	2.66	2.28	0.68	5.13	4.12	1419	633	13.5	6.02	14.9	6.65	5.6	1.3
	6:00	1.16	1.13	2.4	2.64	2.33	0.34	5.3	4.16	1491	348	14.2	3.31	16	3.73	6.05	0.7
	10:00	1.1	1.08	2.32	2.76	2.34	0.26	4.87	4.04	1404	396	13.4	3.77	14.4	4.07	5.22	0.84
	14:00	1.07	1.06	1.65	2.74	2.33	1.25	4.68	4	1145	822	10.9	7.82	11.4	8.21	4.18	1.75
	18:00	1.08	1.07	2.53	2.74	2.34	-0.9	3.73	4.69	1558	351	14.8	3.34	15.7	3.55	5.74	0.95
	22:00	1.12	1.1	0.94	2.72	4.16	1.3	4.73	3.94	1139	773	10.8	7.36	11.8	8.04	4.36	1.7
3/11	2:00	1.11	1.09	2	2.66	2.26	0.64	4.94	4.11	1548	356	14.7	3.39	16	3.68	6.03	0.75
	6:00	1.11	1.08	1.33	2.64	2.16	1.76	5.03	4.24	1380	780	13.1	7.42	14.2	8.02	5.38	1.6
	10:00	1.07	1.06	2.38	2.58	2.29	-0.1	4.85	4.1	1539	205	14.6	1.95	15.4	2.05	5.97	0.42

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

Daily data

	TCEQ-10J								
Date	SDI	Max Flux 4 (gfd)	Max Flux 5 (gfd)	Max Normalized Flux 4 (gfd)	Max Normalized Flux 5 (gfd)	Max Specific Flux @ 20 4 (gfd)	Max Specific Flux @ 20 5 (gfd)	Filter 4 Max mNTU	Filter 5 Max mNTU
1/27/2014	0.23	16.2	15.8	20.4	20.6	13.3	6.32	76	46
1/28/2014	0.72	15.9	17.1	20.2	21.3	11.8	5.15	40	25
1/29/2014	0.21	16.1	16	20.6	20.6	11.6	4.97	40	45
1/30/2014	0.91	16.2	15.8	19.2	19.3	10.5	4.58	37	26
1/31/2014	0.17	15.8	14.4	18.8	16.9	9.56	4.65	487	24
2/1/2014	1.8	15.8	16.1	19.1	19.5	9.69	4.85	572	942
2/2/2014	0.21	16.2	17.2	20.1	21.4	9.38	5.07	33	22
2/3/2014	0.17	15.8	15.9	21.3	20.7	9.42	5.2	118	25
2/4/2014	0.5	13.8	7	17	8.75	7.25	1.89	440	25
2/5/2014	0.33	15.3	16.7	20	21.9	7.5	8.83	34	54
2/6/2014	0.43	14.3	16.5	18.5	21.6	6.92	4.71	230	26
2/7/2014	0.8	15.3	16.6	20.2	21.4	7.1	4.28	414	21
2/8/2014	0.73	14.2	16.4	17.8	21.1	6.47	4.23	37	22
2/9/2014	0.63	14.7	15.6	17.9	19.4	6.13	4.18	606	23
2/10/2014	0.27	13.7	16.6	18.9	22.8	6.49	4.75	341	29
2/11/2014	0.48	14.6	15.7	20	20.4	6.38	4.92	34	23
2/12/2014	0.34	14.7	15.9	18.9	20.6	5.92	4.17	77	25
2/13/2014	0.24	13.4	15.7	17.1	19.4	5.76	3.86	272	26
2/14/2014	0.67	15	15.7	16.7	19	5.57	3.93	66	370
2/15/2014	1.1	14.6	10	16.8	10.9	5.6	2.46	33	28
2/16/2014	1.17	13.6	6.25	15	7.1	5.12	1.63	35	24
2/17/2014	0.13	14	7.18	15.3	7.82	5.16	1.6	250	24
2/18/2014	0.09	13.8	8.33	15.8	8.35	5.35	1.81	41	24
2/19/2014	0.17	14.3	4.63	14.8	5.07	5.37	1.36	33	34
2/20/2014	0.33	14.7	5.38	16	5.62	5.41	1.64	107	26
2/21/2014	0.29	15	8.17	16.4	8.36	5.21	1.86	62	25
2/22/2014	0.62	14.7	5.04	15.7	5.36	5	1.21	30	26
2/23/2014	1.29	14.7	4.36	16	4.62	4.94	1.01	32	26
2/24/2014	0.21	15.7	5.26	16.8	5.58	4.77	1.26	170	40
2/25/2014	0.28	13.8	6.71	15.6	7.99	4.38	1.55	39	27
2/26/2014	0.45	13.7	16.3	16	19.2	4.51	3.11	54	57
2/27/2014	0.15	15.6	16.7	18.6	19.8	7.15	6.63	290	36
2/28/2014	0.27	15.9	0.16	17.6	0.17	6.23	0.11	57	0
3/1/2014	2.6	14.8	5.87	15.5	6.45	6.93	2.34	110	903

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

Daily data

	TCEQ-10J								
Date	SDI	Max Flux 4 (gfd)	Max Flux 5 (gfd)	Max Normalized Flux 4 (gfd)	Max Normalized Flux 5 (gfd)	Max Specific Flux @ 20 4 (gfd)	Max Specific Flux @ 20 5 (gfd)	Filter 4 Max mNTU	Filter 5 Max mNTU
3/2/2014	0.35	14.7	10.5	17.6	12.4	6.62	3.22	251	52
3/3/2014	0.15	13.6	13.3	16.6	16	5.83	3.66	230	25
3/4/2014	0.25	14.1	14.6	17.8	19.7	5.82	4.71	41	25
3/5/2014	0.29	14.2	13.2	17.1	15.9	6.12	3.21	49	39
3/6/2014	0.21	15	12.5	18	14.3	6.19	2.68	149	37
3/7/2014	0.19	13.6	8.07	15.5	8.82	5.27	1.89	565	31
3/8/2014	0.27	14	9.11	16.3	10.2	5.65	2.13	97	29
3/9/2014	0.16	13.9	9.69	15.3	10.6	5.31	2.24	132	32
3/10/2014	0.34	14.8	7.82	16	8.21	6.05	1.75	274	54
3/11/2014	0.22	14.7	7.42	16	8.02	6.03	1.6	201	31

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

Weekly data

		TCEQ-10J			
	Date	Alkalinity (ppm)	TOC (ppm)	DOC on-site (ppm)	DOC off-site (ppm)
Week 1	1/27/2014				
	1/28/2014				
	1/29/2014	107	11.9	11.1	10.6
	1/30/2014				
	1/31/2014				
	2/1/2014				
	2/2/2014				
Week 2	2/3/2014	93	12.8	10.9	11.2
	2/4/2014				
	2/5/2014				
	2/6/2014				
	2/7/2014				
	2/8/2014				
	2/9/2014				
Week 3	2/10/2014	102	12.9	10.9	11.1
	2/11/2014				
	2/12/2014				
	2/13/2014				
	2/14/2014				
	2/15/2014				
	2/16/2014				
Week 4	2/17/2014	114	13.1	12.7	11.6
	2/18/2014				
	2/19/2014				
	2/20/2014				
	2/21/2014				
	2/22/2014				
	2/23/2014				
Week 5	2/24/2014	105	14.3	13.1	12.3
	2/25/2014				
	2/26/2014				
	2/27/2014				
	2/28/2014				
	3/1/2014				
	3/2/2014				
	3/3/2014	88			12.9
	3/4/2014				

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

Weekly data

		TCEQ-10J			
	Date	Alkalinity (ppm)	TOC (ppm)	DOC on-site (ppm)	DOC off-site (ppm)
Week 6	3/5/2014				
	3/6/2014				
	3/7/2014	101	13.9	13.3	
	3/8/2014				
	3/9/2014				
Week 7	3/10/2014	94	15.1	13.8	13.5
	3/11/2014	85	15.2	14.5	

TCEQ-10J: Selected MF Membrane Unit Filtrate Quality

(after vacuum pump and prior to blending with any other MF filtrate)

Start/Day 30/End data

Date	*E. coli* off-site (MPN)	*Giardia* off-site (Cysts/L)	*Cryptosporidium* off-site (Oocysts/L)	TCV off-site MPN/L
	TCEQ-10J			
1/27/2014	0	0	0	0
2/26/2014	0	0	0	
3/16/2014	0	0	0	

TCEQ 10J Offsite Data Summary

E.Coli
~~FECAL COLIFORM~~ BACTERIOLOGY
Form ~~FC (Revised Apr 09)~~ QA-007

Wichita Falls Public Health District
Laboratory Services Division

Sample Number: 063632 '14 JAN 27

PLEASE Print Below with BALLPOINT Pen or TYPEWRITER

2430001 — Water System ID Nbr.
CITY OF WICHITA FALLS — Name of Water System
MF Filtrate — Point of Collection
WICHITA — County
Submitter ID Nbr: ____ Submitter Phone Nbr: (940)691-1153

SEND RESULTS TO
Blair Raman — Name
4801 Big Ed Neal Dr. — Street Address
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. 6.1°C ON ICE

	Month - Day - Year	Time	AM - PM	
Date & Time of Collection	01 / 27 / 14	8 : 00	AM	Collected by:
Received for Delivery by	___ / ___ / ___	___ : ___	___ / ___	Received by:
Received by Laboratory	1 / 27 / 2014	9 : 40	↘ / ___	JMC

(B)

FREE Cl- Φ TOTAL Cl- Φ

LABORATORY REPORT (Do Not Write in this Space)

~~FECAL COLIFORM ORGANISMS~~: Test Method: ↘ Colilert ___ ~~MFT~~

Performed by: JEspinoza on 1 / 27 / 2014 at 11 : 00 AM PM
Month - Day - Year Time

Reported by: JHarp/JMC on 1 / 28 / 2014 at 11 : 30 AM PM
Month - Day - Year Time

RESULTS: < 1.0 MPN per 100 ml as ~~Fecal Coliforms~~ (E. Coli)

DUPLICATE < 1.0 MPN/100ml as E.Coli

___ Unsuitable for Analysis - PLEASE Resubmit. **Reason:**

BLANK < 1.0 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

E.Coli
~~FECAL COLIFORM~~ BACTERIOLOGY
Form FC (Revised Dec 10)

Wichita Falls Public Health District
Laboratory Services Division

Sample Number: 083828 '14 FEB 26

PLEASE Print Below with BALLPOINT Pen

2430001
Water System ID Nbr.

CITY OF WICHITA FALLS
Name of Water System

MF Filtrate
Point of Collection

WICHITA
County

Submitter Phone Nbr: _____ Submitter Fax Nbr: (940)691-1153

SEND RESULTS TO
Name: Blair Ramon
Street Address: 4801 Big Ed Neal Dr.
City, State, Zip: Wichita Falls, Tx 76310

TYPE OF SYSTEM X 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: 11.1°C

Date & Time of Collection: 02/26/14 (Month - Day - Year) 7:30 (Time) AM - PM Collected by: _____

Received for Delivery by: ___/___/___ (Month - Day - Year) ___:___ (Time) AM - PM Received by: _____

Received by Laboratory: 02/26/14 (Month - Day - Year) 09:23 (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 Hays on 02/26/14 (Month - Day - Year) at 10:30 (Time) AM PM

Reported by: Jessica H on 02/27/14 (Month - Day - Year) at 1:50 (Time) AM 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

Lot #: 1308366
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

BLANK <1.0 MPN/100ml as E.Coli

E.Coli
~~FECAL COLIFORM~~ BACTERIOLOGY
Form FC (Revised Dec 10)

Wichita Falls Public Health District
Laboratory Services Division

Sample Number: 063923 '14 MAR 11

PLEASE Print Below with BALLPOINT Pen

2430001 — Water System ID Nbr.
CITY OF WICHITA FALLS — Name of Water System
MF Filtrate — Point of Collection
WICHITA — County

Submitter Phone Nbr: 940-691-1153 Submitter Fax Nbr: 940691-4121

SEND RESULTS TO
Name: Blair Raman
Street Address: 4801 Big Ed Neal Drive
City, State, Zip: Wichita Falls, TX 76310

TYPE OF SYSTEM X 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: 7.1°C ON ICE

	Month - Day - Year	Time	AM - PM	
Date & Time of Collection	3/11/14	7:22	(AM) PM	BR — Collected by:
Received for Delivery by	___/___/___	___:___	___/___	_____ — Received by:
Received by Laboratory	3/11/2014	9:40	V/___	JMC — Received by:

TOT. Cl - 0 FREE Cl - 0

LABORATORY REPORT (Do Not Write in this Space)

~~FECAL COLIFORM ORGANISMS:~~ Test Method: Colilert

Performed by: [illegible] on 3/11/14 (Month - Day - Year) at 10:45 (Time) (AM) PM

Reported by: [signature] on 3/12/14 (Month - Day - Year) at 11:15 (Time) (AM) 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

BioVir Laboratories, Inc

NELAC #05234CA
EPA ID# 01401, CA-ELAP #179

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

BioVir #	Sample ID	Site	Analyte	Result	Units
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

BioVir #	Sample ID	Site	Analyte	Result	Units
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.

BioVir #	Sample ID	Site	Analyte	Result	Units
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

BioVir Laboratories, Inc

NELAC #05234CA
EPA ID# 01401, CA-ELAP #179

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

LAB Sample ID: 140046-009

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:** MF Effluent
Client Contact: Mark Sutherland, **Client Phone:** 940-691-1153

SAMPLE INFORMATION:

Name of Sampler: Blair Ramon **Customer Sample No.:** HVF MF Effluent
Matrix: Waste Water, treated **Date/Time Received:** 1/28/2014 10:00:00 AM
Sample Point ID: MF Effluent **Check-in Temp. (0-20C)** 1.8
Sample Collection Date: 1/27/2014 **Container Type:** HV Envirochek
Sample Time: 6:40:00 AM
Comments: Turbidity = 0.16 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	1/29/14-1609	Filter Type	Envirochek HV
Filter Serial #	519843	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. B ioVir 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 m ay 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

Richard E Daniel
Signature

Quality Checked LBarriga

Client Name: City of Wichita Falls Report #: 310692

Sampling Point: RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**10.5**	mg/L	01/30/14 17:30	02/03/14 18:50	2964800

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

Sampling Point: MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**10.6**	mg/L	01/30/14 17:30	02/03/14 18:38	2964801

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

Sampling Point: 2010 Clarifier PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**3.27**	mg/L	01/30/14 17:30	02/03/14 18:26	2964802

$ 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:	*	^	!

Client Name: City of Wichita Falls Report #: 311027

Sampling Point: TCEQ 6J-MF Clarifier Effluent PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**11.1**	mg/L	02/05/14 17:15	02/06/14 22:10	2967447

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

Sampling Point: TCEQ 10J-MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**11.2**	mg/L	02/05/14 17:15	02/06/14 22:22	2967448

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

Sampling Point: TCEQ 16J-RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**10.5**	mg/L	02/05/14 17:15	02/06/14 22:34	2967449

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

Client Name: City of Wichita Falls Report #: 311351

Sampling Point: 6J-MF Clarifier Effluent PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**11.9**	mg/L	02/11/14 16:30	02/13/14 15:12	2970385

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

Sampling Point: 10J-MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**11.1**	mg/L	02/11/14 16:30	02/13/14 15:00	2970386

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

Sampling Point: 16J-RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**26.1**	mg/L	02/11/14 16:30	02/20/14 14:05	2970387

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

Client Name: City of Wichita Falls Report #: 311986

Sampling Point: TCEQ 6J-MF Clarifier Effluent PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**12.9**	mg/L	02/18/14 16:30	02/26/14 16:37	2975612

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

Sampling Point: TCEQ 10J-MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**11.6**	mg/L	02/18/14 16:30	02/26/14 16:07	2975613

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

Sampling Point: TCEQ 16J-RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**11.4**	mg/L	02/18/14 16:30	02/26/14 15:55	2975614

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

Client Name: City of Wichita Falls Report #: 312458

Sampling Point: TCEQ 6J-MF Clarifier Effluent PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**13.4**	mg/L	02/25/14 17:00	03/05/14 20:31	2979776

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

Sampling Point: TCEQ 10J-MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**12.3**	mg/L	02/25/14 17:00	03/05/14 20:00	2979777

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

Sampling Point: TCEQ 16J-RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**12.3**	mg/L	02/25/14 17:00	03/05/14 19:48	2979778

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

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.

Client Name: City of Wichita Falls Report #: 312921

Sampling Point: TCEQ 6J-MF Clarifier Effluent PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**13.6**	mg/L	03/04/14 18:00	03/07/14 20:24	2984294

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

Sampling Point: TCEQ 10J-MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**12.9**	mg/L	03/04/14 18:00	03/07/14 19:54	2984295

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

Sampling Point: TCEQ 16J-RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**12.3**	mg/L	03/04/14 18:00	03/07/14 19:42	2984296

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

Client Name: City of Wichita Falls Report #: 313344

Sampling Point: TCEQ 6J-MF Clarifier Effluent PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**14.5**	mg/L	03/11/14 17:30	03/12/14 21:03	2988242

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

Sampling Point: TCEQ 10J-MF Filtrate PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**13.5**	mg/L	03/11/14 17:30	03/12/14 21:15	2988243

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

Sampling Point: TCEQ 16J-RO Feed PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
---	Dissolved Organic Carbon $	5310 C	---	0.500	**13.0**	mg/L	03/11/14 17:30	03/12/14 22:35	2988244

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

TCEQ 10J Online Equipment Calibration Summary

Online Equipment List

TCEQ-10J		
Parameter:	Manufacturer:	Part #:
Cell #4		
660	Hack sc100/660sc	660sc: #sr3063893
Cell #5		
660	Hack sc100/660sc	660sc: #sr3063893

Online Equipment Calibration

Startup Month #1			30 day cal.		
1/26/2014			02/25/14		
TCEQ-10J	unit/cal.	standard	TCEQ-10J	unit/cal.	standard
Cell #4			Cell #4		
660	.073/.071	.806 / lot A2256 exp. Sept-14	660	.076/.076	.806 / A2256 exp Sept 14
Cell #5			Cell #5		
660	.086/.085	.806 / lot A2256 exp. Sept-14	660	.085/.088	.806 / A2256 exp Sept 14

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-10J	unit/sample	unit/sample	unit/sample	unit/sample	unit/sample	unit/sample	unit/sample
Cell #4							
660	.073/.071	.073/.070	.073/.070	.073/.069	.076/.076	.076/.080	.076/.075
Cell #5							
660	.086/.085	.086/.084	.086/.083	.086/.086	.088/.085	.088/.089	.088/.092

TCEQ 10J Flowmeter Calibration Summary

CALIBRATION/VERIFICATION REPORT
MAGNETIC FLOW METERS

DATE: 2/5/14

CUSTOMER: City of Wichita Falls, Cypress WTP

INSTRUMENT DESCRIPTION: Microfiltration Backwash Flow Measurement

MANUFACTURER:	Foxboro
MODEL NO.:	IMT25-SEATBION/9316A-518ATSJ6N
FLOW TUBE SIZE:	16”
SERIAL NUMBER:	
FLOW TUBE:	CA1-8541638
TRANSMITTER:	04061595
MANUFACTURER DATE:	3/19/04
SPAN:	0-6000 GPM

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 signal output was measured wand logged.

RESULTS
1/30/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	0.054763	0.054763

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.011 mA
3000 GPM	12.00 mA	12.020 mA
6000 GPM	20.00 mA	20.010 mA

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

All measurements are within the accuracy tolerance (+/-0.5%) of the flow meter

Calibration/Verification by: Date: 2/6/14



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

RESULTS
2/26/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	0.054763	0.054763

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.01 mA
3000 GPM	12.00 mA	12.01 mA
6000 GPM	20.00 mA	20.01 mA

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

All measurements are within the accuracy tolerance (+/-0.5%) of the flow meter

Calibration/Verification by: Date: 3/1/14



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

RESULTS
1/30/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	0.054763	0.054763

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.01 mA
3000 GPM	12.00 mA	12.02 mA
6000 GPM	20.00 mA	20.01 mA

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

All measurements are within the accuracy tolerance (+/-0.5%) 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: 2/1/14

CUSTOMER: City of Wichita Falls, Cypress WTP

INSTRUMENT DESCRIPTION: Microfiltration Cell 4 Filtrate Flow

MANUFACTURER:	Siemens
MODEL NO.:	7ME692 (Sitrans FM Mag 5100)
FLOW TUBE SIZE:	10”
SERIAL NUMBER:	
FLOW TUBE:	113006T183
TRANSMITTER:	3773D7N285
MANUFACTURER DATE:	approx. 2005
SPAN:	0-5000 GPM

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 signal output was measured wand logged.

RESULTS
1/30/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	44.68510	44.68510
CORR.	1.0	1.0

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	3.988 mA
1662 GPM	9.32mA	9.318 mA

* Since 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 (+/-0.5%) of the flow meter

Calibration/Verification by: Date:

_____ 2/1/14

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

RESULTS
2/25/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	44.68510	44.68510
CORR.	1.0	1.0

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.04 mA
1668 GPM	9.34mA	9.30 mA

* Since 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 (+/-0.5%) of the flow meter

Calibration/Verification by: Date:

_____ 3/1/14

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

RESULTS
3/09/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	44.68510	44.68510
CORR.	1.0	1.0

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.04 mA
1656 GPM	9.30mA	9.33 mA

* Since 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 (+/-0.5%) 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: 2/1/14

CUSTOMER: City of Wichita Falls, Cypress WTP

INSTRUMENT DESCRIPTION: Microfiltration Cell 5 Filtrate Flow

MANUFACTURER:	Siemens
MODEL NO.:	7ME692 (Sitrans FM Mag 5100)
FLOW TUBE SIZE:	10”
SERIAL NUMBER:	
FLOW TUBE:	057913T195
TRANSMITTER:	376807N285
MANUFACTURER DATE:	approx. 2005
SPAN:	0-5000 GPM

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 signal output was measured wand logged.

RESULTS
1/29/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	43.1825	44.1825
CORR.	1.0	1.0

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	3.99 mA
2500 GPM	12.00 mA	11.97 mA
5000 GPM	20.00 mA	19.99 mA

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

All measurements are within the accuracy tolerance (+/-0.5%) of the flow meter

Calibration/Verification by: Date: 2/1/14



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

RESULTS
2/25/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	43.1825	44.1825
CORR.	1.0	1.0

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.02 mA
2500 GPM	12.00 mA	11.98 mA
5000 GPM	20.00 mA	19.99 mA

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

All measurements are within the accuracy tolerance (+/-0.5%) 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

	Factory Calibration Values	Transmitter Observed Values
CAL FACTOR	43.1825	44.1825
CORR.	1.0	1.0

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0 GPM	4.00 mA	4.02 mA
2500 GPM	12.00 mA	11.99 mA
5000 GPM	20.00 mA	19.99 mA

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

All measurements are within the accuracy tolerance (+/-0.5%) 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: CIP Pump Discharge Flowmeter, Tag: FE/FIT-422

MANUFACTURER:	ABB
MODEL NO.:	MF/F4513321001104ER
SIZE:	10”
SERIAL NUMBER:	
FLOW TUBE:	04W020348
TRANSMITTER:	04W020349
MANUFACTURER DATE:	2005
SPAN:	0-2000 GPM

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

	Factory Calibration Values	Transmitter Observed Values
CF#1	1.30549	1.3055
CF#2	4	4
CF#3	**5**	5
CF#4	1.0000	1.000

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0.0 GPM	4.00 mA	4.002 mA
1000. GPM	12.00 mA	12.004 mA
2000. GPM	20.00 mA	20.006 mA

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

* 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 (+/-0.5%) of the flow meter.

Calibration/Verification by: Date: 2/7/14



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

RESULTS
2/26/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CF#1	1.30549	1.3055
CF#2	4	4
CF#3	**5**	5
CF#4	1.0000	1.000

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0.0 GPM	4.00 mA	4.001 mA
1000. GPM	12.00 mA	12.002 mA
2000. GPM	20.00 mA	20.003 mA

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

* 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 (+/-0.5%) of the flow meter.

Calibration/Verification by: Date: 3/1/14



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

RESULTS
3/8/14

CALIBRATION FACTORS

	Factory Calibration Values	Transmitter Observed Values
CF#1	1.30549	1.3055
CF#2	4	4
CF#3	**5**	5
CF#4	1.0000	1.000

TRANSMITTER OUTPUT SIGNAL VERIFICATION

FLOW RATE	EXPECTED SIGNAL	MEASURED SIGNAL
0.0 GPM	4.00 mA	4.001mA
1000. GPM	12.00 mA	12.001 mA
2000. GPM	20.00 mA	20.001 mA

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

* 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 (+/-0.5%) of the flow meter.

Calibration/Verification by: Date: 3/9/14



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