

TCEQ – 32J

Conventional 2010 SWTP Flocculation and Clarification

Site Description:

This site is in the 2010 accelator, solids-contact flocculation and clarification zone. The analysis performed at this site monitored the performance of the accelator, flocculation and clarification as it relates to the reduction of Turbidity and TOC/DOC.

Protocol:

TCEQ – 32J Conventional 2010 SWTP Flocculation and Clarification (Accelator solids-contact flocculation and clarification)									
	5-min	15-min	2-hr	4-hr	1/day	1/day or Δ	2/week	1/week	S/30/E
Effluent flow rate		X							
Settled water turbidity			X						
Cationic polymer dosage				X					
Lime feed rate				X					
Quantity of cationic polymer used					X				
Quantity of lime used					X				
Calculated flocculator hydraulic detention time						X			
Calculated clarifier surface overflow rate						X			
Effluent TOC								X	
Effluent DOC								X	

Summary Table:

TCEQ – 32J: Conventional 2010 SWTP Flocculation and Clarification

	Flow Rate	GPD Cationic Polymer	PPD Lime	Turbidity	TOC	DOC on-site	DOC off-site	Calc. hydraulic det. Time	Calc. surface overflow rate
Units	gpm	gal	lbs	NTU	ppm	ppm	ppm	min	gpm/sf
Min	2279	16	2885	0.36	3.34	2.85	3.27	236	0.44
Max	3929	16	4523	9.20	4.17	3.73	4.32	351	0.65
Avg	2710	16	3353	1.57	3.86	3.44	3.66	318	0.49
95th %	2896	16	4167	3.50	4.15	3.73	4.19	337	0.52
n	4176	44	44	513	9	9	7	44	44

Calculations:

Calculated hydraulic detention time = daily max flow rate divided into the accelerator volume (926,521 gals)

Calculated surface overflow rate = daily max flow rate divided by 6016 ft² (total surface area minus the flocculation zone surface area)

Effluent flow rate was calculated by:

(Total daily sludge wasted gals/day)/1440 mins/day = X gpm

Influent flow rate – X = Effluent flow rate gpm

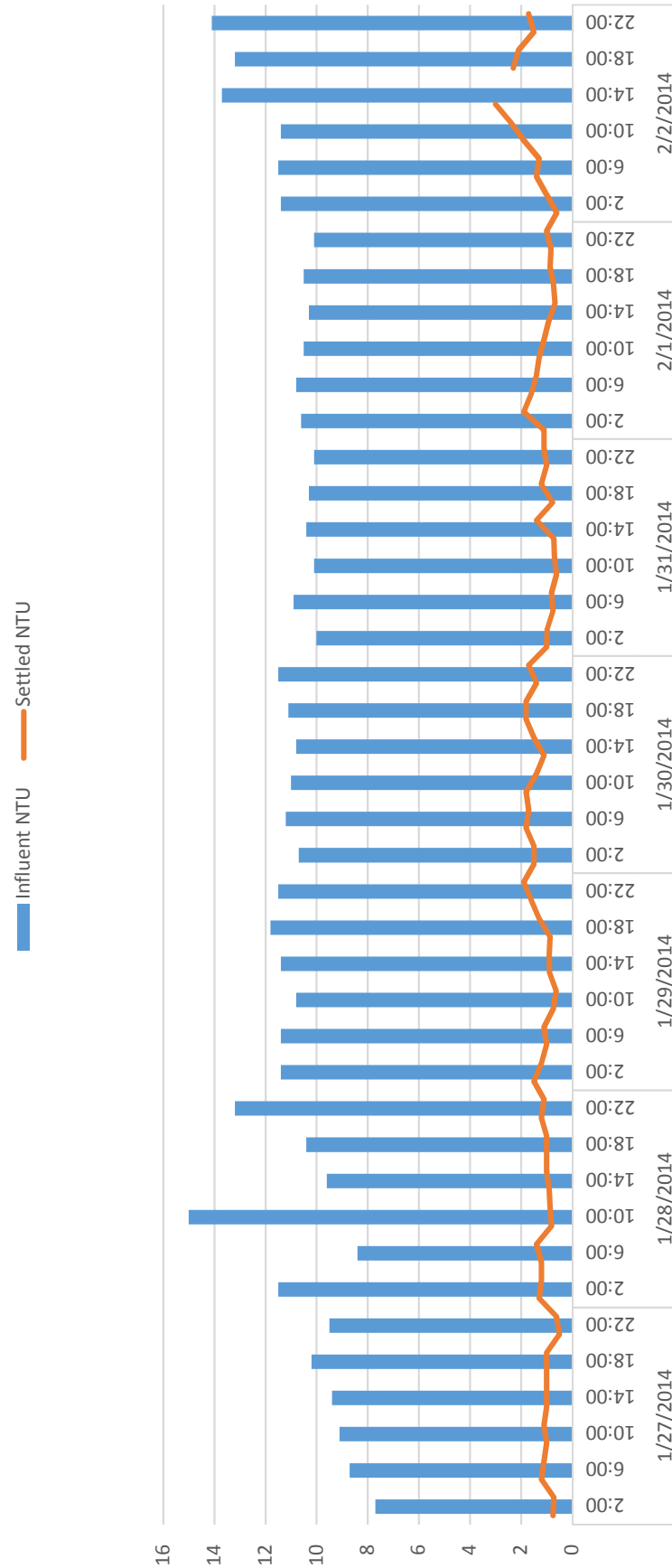
Conclusions:

The TCEQ established a Maximum Surface Overflow Rate (SOR) for the 2010 SWTP Clarifier of 1.0 gpm/ft². The 2010 SWTP Clarifier demonstrated a maximum SOR of 0.65 gpm/ft², under the maximum limit.

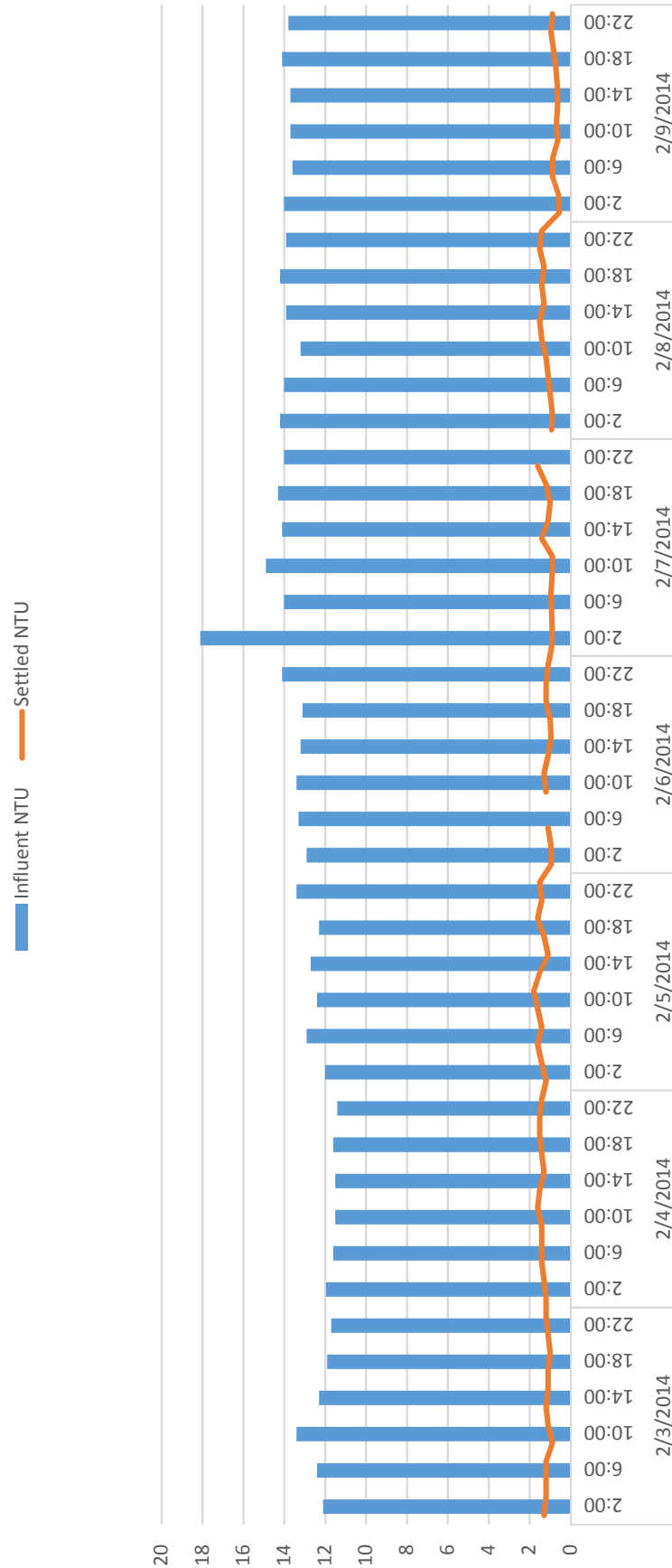
The Settled Water Turbidity was significantly reduced from the Turbidity coming from the RRWWTP. In the majority of cases, the turbidity was reduced by more than 50%.

The Total Organic Carbon and Dissolved Organic Carbon were not significantly reduced through Clarification with Ferric Sulfate. Reductions for both constituents were typically less than 10%.

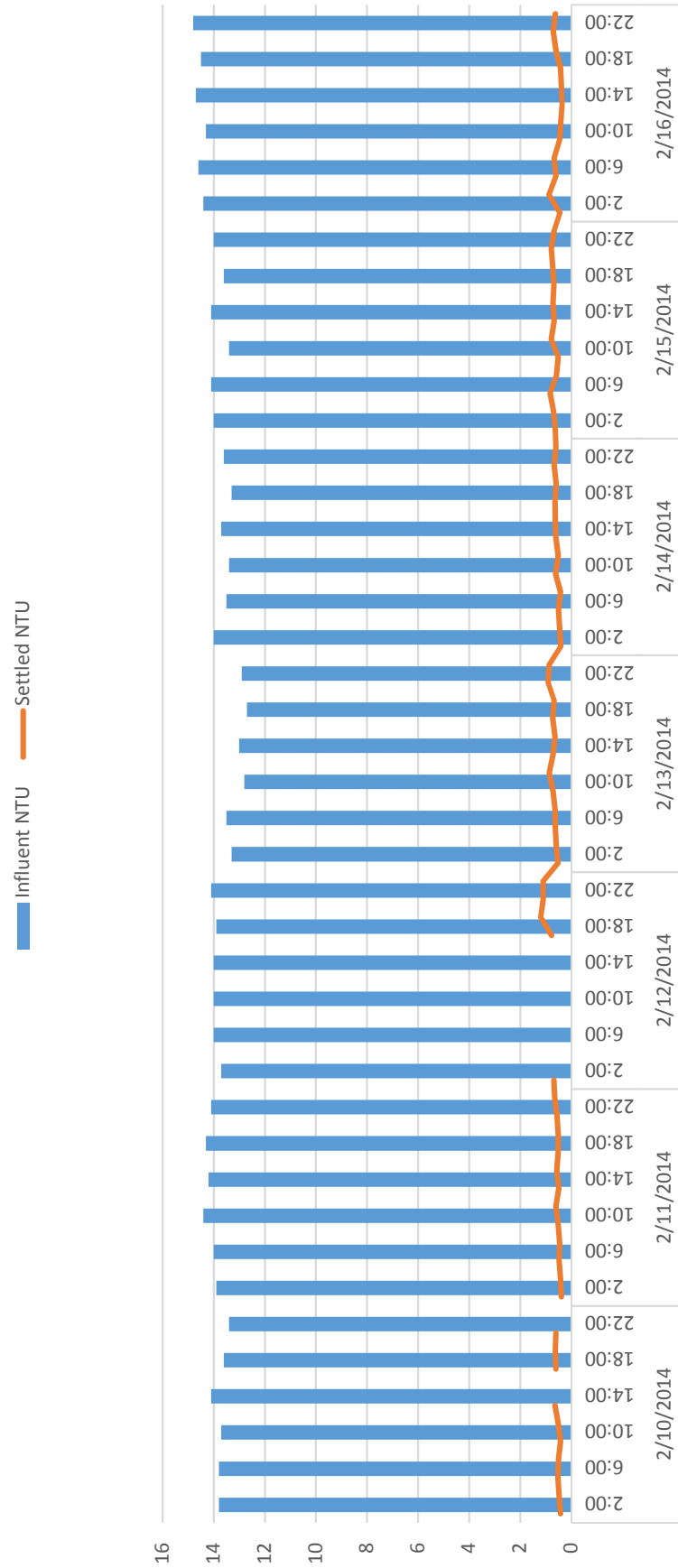
TCEQ-32J 2010 Clarifier Influent VS Effluent NTU



TCEQ-32J 2010 Clarifier Influent VS Effluent NTU

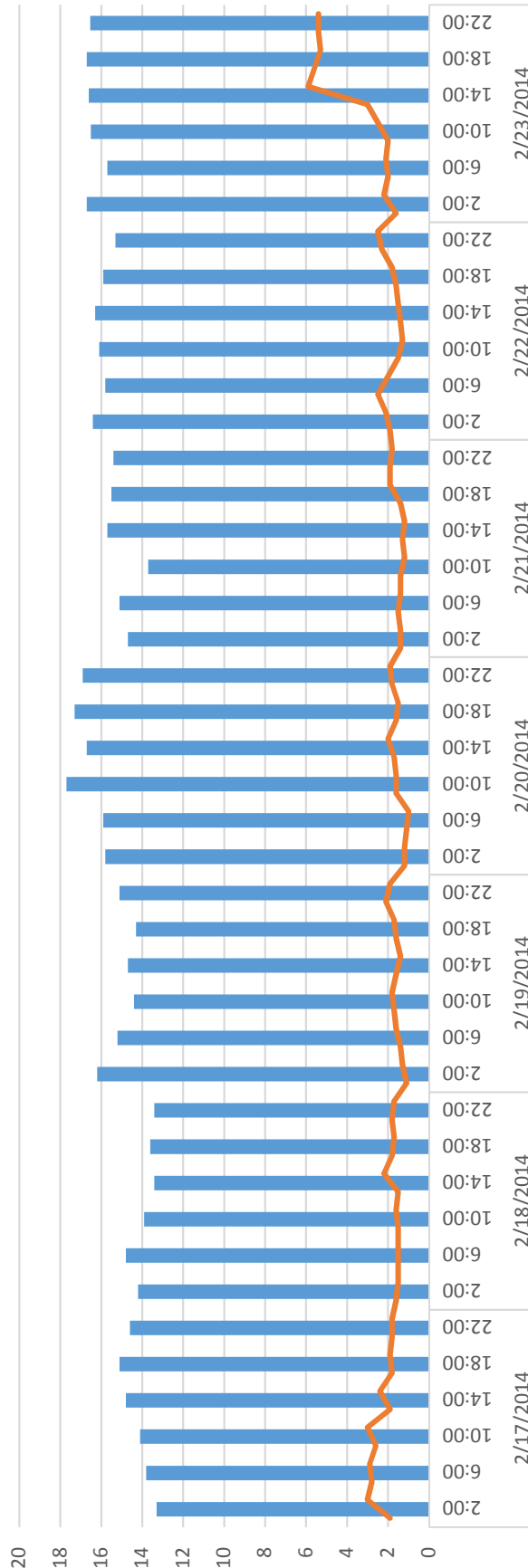


TCEQ-32J 2010 Clarifier Influent VS Effluent NTU

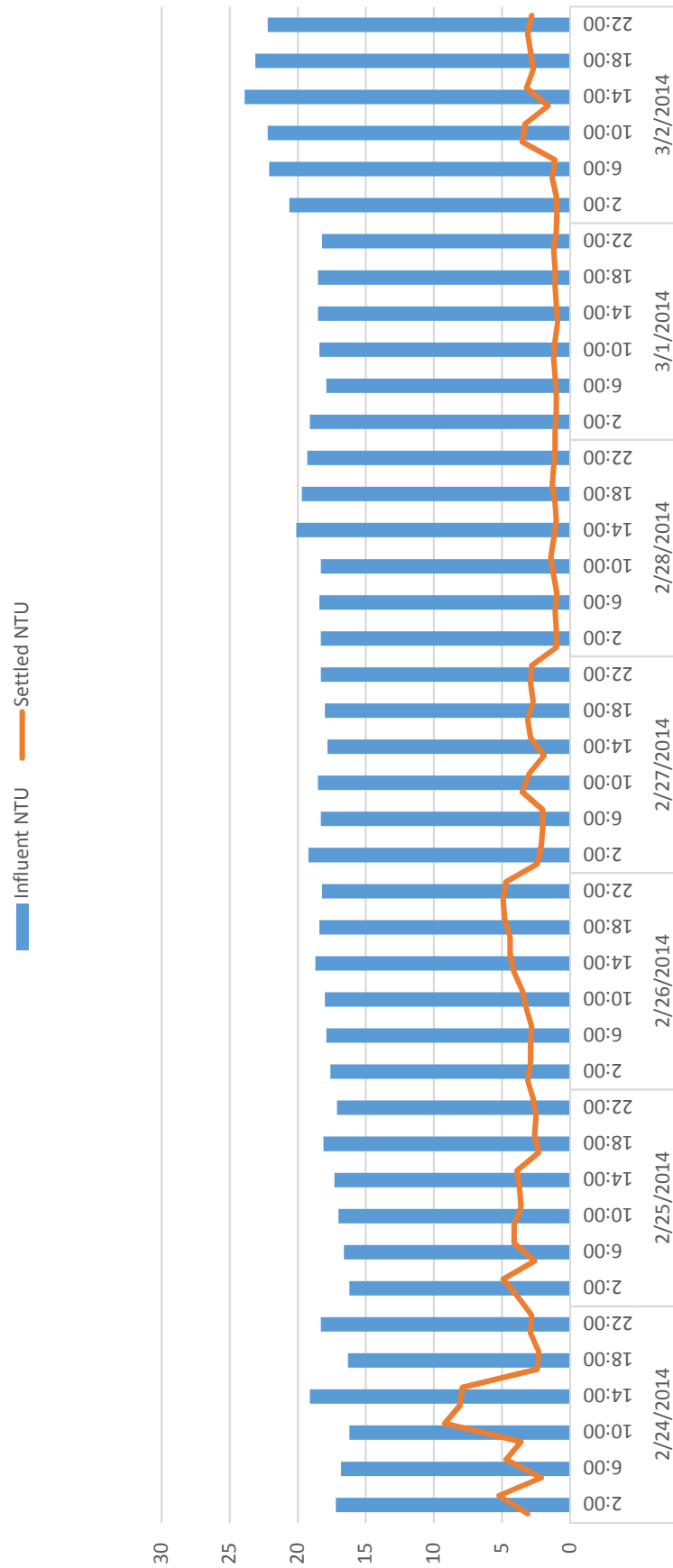


TCEQ-32J 2010 Clarifier Influent VS Effluent NTU

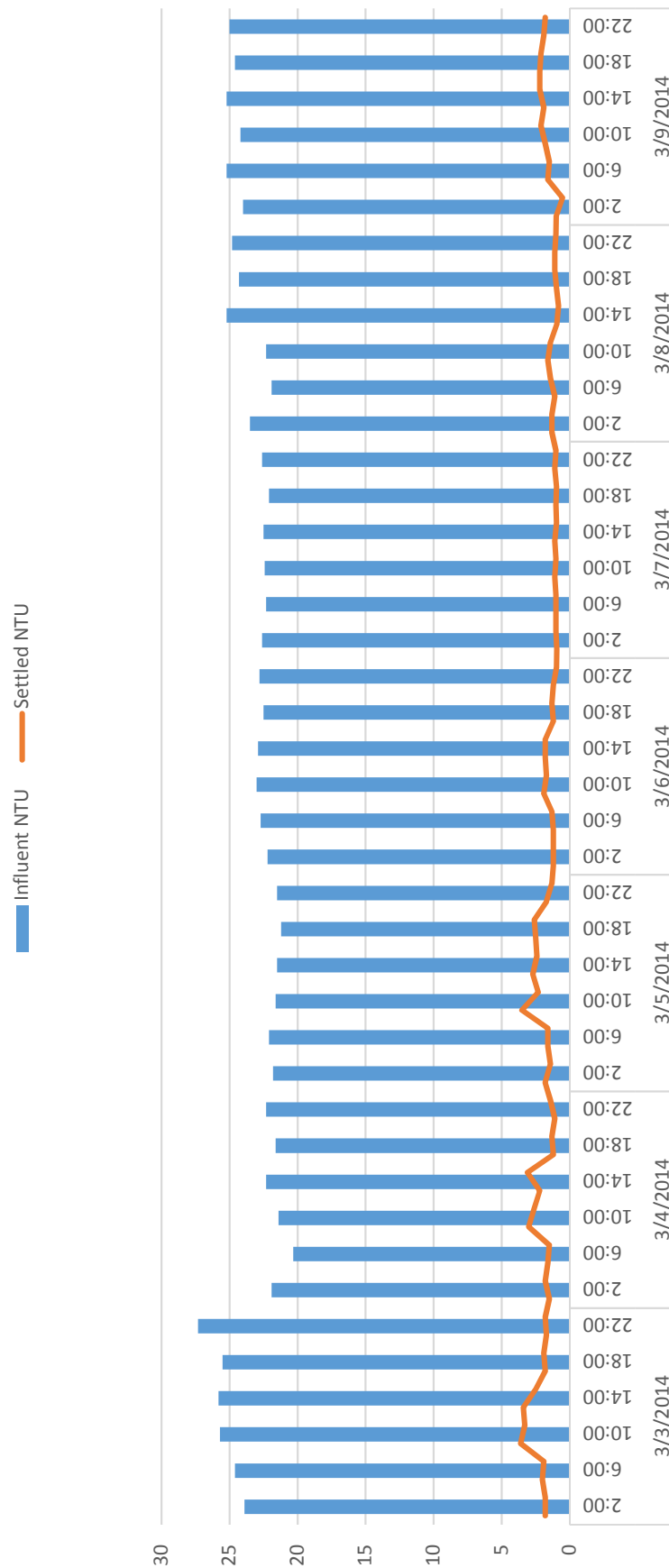
Influent NTU Settled NTU

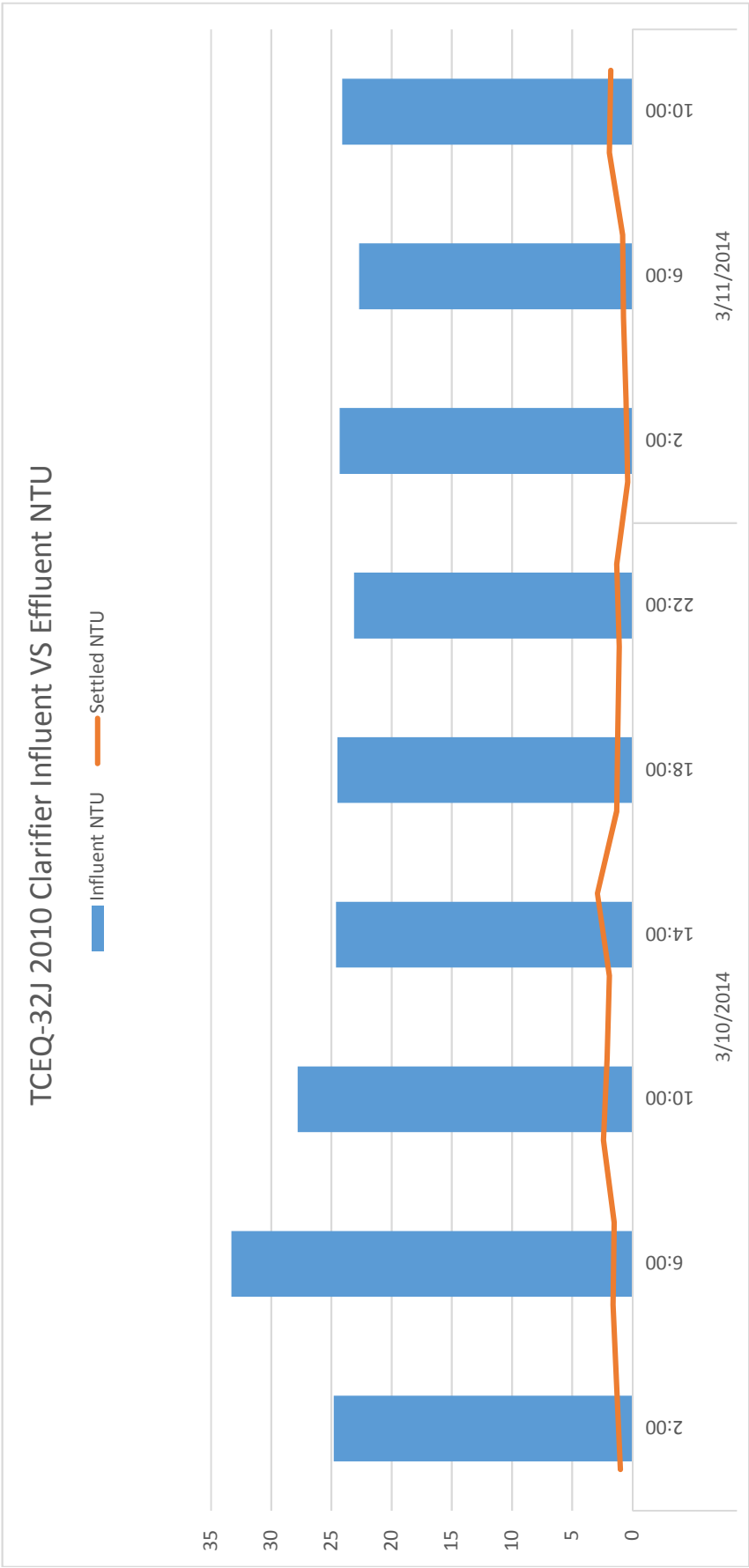


TCEQ-32J 2010 Clarifier Influent VS Effluent NTU



TCEQ-32J 2010 Clarifier Influent VS Effluent NTU





TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

		TCEQ-32J
Date	Time	Flow (gpm)
1/27/2014	0:00	2817.64
	0:15	2692.72
	0:30	2914.8
	0:45	2769.06
	1:00	2651.08
	1:15	2796.82
	1:30	2738.524
	1:45	2683.004
	2:00	2785.022
	2:15	2746.852
	2:30	2524.772
	2:45	2739.218
	3:00	2694.108
	3:15	2737.83
	3:30	2728.808
	3:45	2691.332
	4:00	2578.904
	4:15	2753.098
	4:30	2662.878
	4:45	2716.316
	5:00	2730.196
	5:15	2732.278
	5:30	2741.3
	5:45	2532.406
	6:00	2820.416
	6:15	2707.294
	6:30	2674.676
	6:45	2753.792
	7:00	2719.786
	7:15	2733.666
	7:30	2762.12
	7:45	2764.202
	8:00	2740.606
	8:15	2719.092
	8:30	2751.71
	8:45	2732.278
	9:00	2728.114
	9:15	2810.006
	9:30	2658.02
	9:45	2695.496

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	10:00	2738.524
	10:15	2671.9
	10:30	2669.124
	10:45	2669.124
	11:00	2593.478
	11:15	2624.708
	11:30	2671.206
	11:45	2658.02
	12:00	2649.692
	12:15	2656.632
	12:30	2700.354
	12:45	2700.354
	13:00	2678.84
	13:15	2695.496
	13:30	2762.12
	13:45	2678.84
	14:00	2673.982
	14:15	2668.43
	14:30	2668.43
	14:45	2676.064
	15:00	2676.064
	15:15	2676.758
	15:30	2748.24
	15:45	2689.25
	16:00	2695.496
	16:15	2676.064
	16:30	2685.086
	16:45	2697.578
	17:00	2732.972
	17:15	2692.026
	17:30	2694.802
	17:45	2673.982
	18:00	2671.206
	18:15	2695.496
	18:30	2701.048
	18:45	2703.13
	19:00	2849.564
	19:15	2716.316
	19:30	2673.982
	19:45	2503.258
	20:00	2642.058
	20:15	2668.43
	20:30	2638.588
	20:45	2655.244
	21:00	2669.124

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	21:15	2479.662
	21:30	2636.506
	21:45	2620.544
	22:00	2679.534
	22:15	2655.244
	22:30	2705.906
	22:45	2577.516
	23:00	2652.468
	23:15	2705.906
	23:30	2918.964
	23:45	2676.064
1/28/2014	0:00	2685.086
	0:15	2692.72
	0:30	2687.168
	0:45	2647.61
	1:00	2670.512
	1:15	2681.616
	1:30	2687.168
	1:45	2596.254
	2:00	2639.282
	2:15	2649.692
	2:30	2683.698
	2:45	2639.282
	3:00	2687.168
	3:15	2682.31
	3:30	2908.554
	3:45	2681.616
	4:00	2695.496
	4:15	2745.464
	4:30	2689.944
	4:45	2671.206
	5:00	2649.692
	5:15	2660.102
	5:30	2937.008
	5:45	2682.31
	6:00	2620.544
	6:15	2714.234
	6:30	2668.43
	6:45	2663.572
	7:00	2663.572
	7:15	2641.364
	7:30	2673.288
	7:45	2655.244
	8:00	2667.736
	8:15	2658.02

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	8:30	2687.862
	8:45	2690.638
	9:00	2653.162
	9:15	2666.348
	9:30	2651.08
	9:45	2691.332
	10:00	2610.828
	10:15	2693.414
	10:30	2621.932
	10:45	2573.352
	11:00	2586.538
	11:15	2661.49
	11:30	2732.972
	11:45	2642.752
	12:00	2637.2
	12:15	2618.462
	12:30	2707.294
	12:45	2608.052
	13:00	2648.304
	13:15	2748.934
	13:30	2721.868
	13:45	2684.392
	14:00	2667.042
	14:15	2669.124
	14:30	2615.686
	14:45	2642.058
	15:00	2658.02
	15:15	2626.096
	15:30	2796.82
	15:45	2498.4
	16:00	2690.638
	16:15	2661.49
	16:30	2679.534
	16:45	2766.978
	17:00	2730.196
	17:15	2723.95
	17:30	2748.24
	17:45	2721.868
	18:00	2703.13
	18:15	2652.468
	18:30	2743.382
	18:45	2684.392
	19:00	2675.37
	19:15	2684.392
	19:30	2719.092

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	19:45	2716.316
	20:00	2664.96
	20:15	2721.868
	20:30	2716.316
	20:45	2825.274
	21:00	2766.284
	21:15	2785.022
	21:30	2769.06
	21:45	2966.156
	22:00	2950.194
	22:15	2748.24
	22:30	2753.792
	22:45	2707.988
	23:00	2603.888
	23:15	2687.168
	23:30	2716.316
	23:45	2682.31
1/29/2014	0:00	2696.884
	0:15	2686.474
	0:30	2732.278
	0:45	2682.31
	1:00	2771.836
	1:15	2707.988
	1:30	2659.408
	1:45	2577.516
	2:00	2730.196
	2:15	2684.392
	2:30	2673.288
	2:45	2710.764
	3:00	2637.894
	3:15	2721.174
	3:30	2567.106
	3:45	2692.026
	4:00	2680.922
	4:15	2676.064
	4:30	2694.108
	4:45	2910.636
	5:00	2705.212
	5:15	2694.108
	5:30	2716.316
	5:45	2732.278
	6:00	2649.692
	6:15	2667.736
	6:30	2633.036
	6:45	2567.106

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	7:00	2612.216
	7:15	2630.26
	7:30	2639.282
	7:45	2633.036
	8:00	2636.506
	8:15	2508.116
	8:30	2644.14
	8:45	2626.096
	9:00	2410.262
	9:15	2628.872
	9:30	2753.792
	9:45	2737.83
	10:00	2636.506
	10:15	2506.034
	10:30	2666.348
	10:45	2604.582
	11:00	3862.804
	11:15	2723.95
	11:30	2652.468
	11:45	2617.768
	12:00	2655.244
	12:15	2622.626
	12:30	2620.544
	12:45	2540.734
	13:00	3928.734
	13:15	2634.424
	13:30	2761.426
	13:45	2647.61
	14:00	2661.49
	14:15	2644.14
	14:30	2679.534
	14:45	2678.84
	15:00	2683.698
	15:15	2734.36
	15:30	2651.774
	15:45	2684.392
	16:00	2452.596
	16:15	2665.654
	16:30	2654.55
	16:45	2654.55
	17:00	2651.774
	17:15	2633.036
	17:30	2614.298
	17:45	2603.888
	18:00	2673.288

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	18:15	2598.336
	18:30	2622.626
	18:45	2598.336
	19:00	2636.506
	19:15	2644.14
	19:30	2625.402
	19:45	2612.216
	20:00	2673.288
	20:15	2599.03
	20:30	2655.244
	20:45	2567.106
	21:00	2633.73
	21:15	2582.374
	21:30	2623.32
	21:45	2617.768
	22:00	2607.358
	22:15	2614.298
	22:30	2625.402
	22:45	2729.502
	23:00	2628.178
	23:15	2636.506
	23:30	2658.02
	23:45	2630.954
1/30/2014	0:00	2444.82
	0:15	2596.112
	0:30	2622.484
	0:45	2601.664
	1:00	2634.282
	1:15	2641.916
	1:30	2609.298
	1:45	2607.216
	2:00	2590.56
	2:15	2650.244
	2:30	2589.172
	2:45	2535.734
	3:00	2593.336
	3:15	2594.03
	3:30	2625.954
	3:45	2596.806
	4:00	2602.358
	4:15	2604.44
	4:30	2631.506
	4:45	2564.882
	5:00	2671.064
	5:15	2607.216

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	5:30	2601.664
	5:45	2641.916
	6:00	2634.282
	6:15	2601.664
	6:30	2586.396
	6:45	2650.244
	7:00	2589.172
	7:15	2582.926
	7:30	2572.516
	7:45	2564.188
	8:00	2484.378
	8:15	2569.74
	8:30	2572.516
	8:45	2650.244
	9:00	2593.336
	9:15	2572.516
	9:30	2598.888
	9:45	2570.434
	10:00	2767.53
	10:15	2566.964
	10:30	2503.116
	10:45	2569.74
	11:00	2564.882
	11:15	2519.078
	11:30	2508.668
	11:45	2551.002
	12:00	2604.44
	12:15	2540.592
	12:30	2512.832
	12:45	2657.878
	13:00	2564.188
	13:15	2572.516
	13:30	2550.308
	13:45	2551.696
	14:00	2529.488
	14:15	2550.308
	14:30	2553.778
	14:45	2568.352
	15:00	2526.018
	15:15	2532.264
	15:30	2552.39
	15:45	2535.04
	16:00	2462.17
	16:15	2547.532
	16:30	2574.598

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	16:45	2588.478
	17:00	2537.122
	17:15	2656.49
	17:30	2549.614
	17:45	2555.86
	18:00	2580.844
	18:15	2451.066
	18:30	2598.194
	18:45	2555.86
	19:00	2564.188
	19:15	2583.62
	19:30	2577.374
	19:45	2584.314
	20:00	2675.922
	20:15	2514.22
	20:30	2582.926
	20:45	2582.926
	21:00	2559.33
	21:15	2577.374
	21:30	2526.712
	21:45	2548.226
	22:00	2478.132
	22:15	2641.916
	22:30	2493.4
	22:45	2631.506
	23:00	2580.15
	23:15	2582.232
	23:30	2536.428
	23:45	2587.784
1/31/2014	0:00	2591.536
	0:15	2588.76
	0:30	2624.848
	0:45	2607.498
	1:00	2582.514
	1:15	2575.574
	1:30	2515.196
	1:45	2576.962
	2:00	2592.23
	2:15	2633.176
	2:30	2530.464
	2:45	2567.246
	3:00	2570.716
	3:15	2597.088
	3:30	2585.29
	3:45	2620.684

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	4:00	2564.47
	4:15	2639.422
	4:30	2570.716
	4:45	2575.574
	5:00	2570.022
	5:15	2546.426
	5:30	2589.454
	5:45	2446.49
	6:00	2596.394
	6:15	2615.826
	6:30	2572.798
	6:45	2586.678
	7:00	2588.066
	7:15	2554.06
	7:30	2546.426
	7:45	2521.442
	8:00	2546.426
	8:15	2490.212
	8:30	2551.284
	8:45	2604.028
	9:00	2625.542
	9:15	2565.858
	9:30	2540.874
	9:45	2279.236
	10:00	2565.858
	10:15	2572.104
	10:30	2546.426
	10:45	2567.246
	11:00	2565.164
	11:15	2543.65
	11:30	2540.874
	11:45	2524.218
	12:00	2514.502
	12:15	2529.77
	12:30	2516.584
	12:45	2520.054
	13:00	2572.798
	13:15	2558.918
	13:30	2460.37
	13:45	2511.726
	14:00	2457.594
	14:15	2575.574
	14:30	2481.884
	14:45	2449.266
	15:00	2538.098

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	15:15	2479.108
	15:30	2500.622
	15:45	2481.884
	16:00	2500.622
	16:15	2481.884
	16:30	2487.436
	16:45	2460.37
	17:00	2445.102
	17:15	2471.474
	17:30	2591.536
	17:45	2447.184
	18:00	2449.96
	18:15	2498.54
	18:30	2472.168
	18:45	2474.25
	19:00	2492.988
	19:15	2445.102
	19:30	2456.206
	19:45	2471.474
	20:00	2554.06
	20:15	2547.12
	20:30	2622.072
	20:45	2466.616
	21:00	2488.13
	21:15	2474.25
	21:30	2466.616
	21:45	2455.512
	22:00	2453.43
	22:15	2482.578
	22:30	2453.43
	22:45	2443.02
	23:00	2511.726
	23:15	2442.326
	23:30	2477.026
	23:45	2386.112
2/1/2014	0:00	2317.96
	0:15	2438.022
	0:30	2446.35
	0:45	2445.656
	1:00	2472.028
	1:15	2456.066
	1:30	2419.284
	1:45	2456.066
	2:00	2469.252
	2:15	2446.35

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	2:30	2467.864
	2:45	2445.656
	3:00	2422.06
	3:15	2460.924
	3:30	2453.984
	3:45	2456.066
	4:00	2599.724
	4:15	2575.434
	4:30	2543.51
	4:45	2490.766
	5:00	2533.794
	5:15	2602.5
	5:30	2582.374
	5:45	2417.896
	6:00	2566.412
	6:15	2576.128
	6:30	2578.904
	6:45	2579.598
	7:00	2552.532
	7:15	2581.68
	7:30	2597.642
	7:45	2578.904
	8:00	2565.718
	8:15	2632.342
	8:30	2619.156
	8:45	2608.746
	9:00	2635.118
	9:15	2653.856
	9:30	2641.364
	9:45	2450.514
	10:00	2631.648
	10:15	2603.194
	10:30	2632.342
	10:45	2659.408
	11:00	2597.642
	11:15	2664.266
	11:30	2601.112
	11:45	2560.86
	12:00	2566.412
	12:15	2635.118
	12:30	2648.304
	12:45	2608.052
	13:00	2703.824
	13:15	2546.98
	13:30	2481.05

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	13:45	2616.38
	14:00	2643.446
	14:15	2608.746
	14:30	2771.836
	14:45	2686.474
	15:00	2587.232
	15:15	2614.298
	15:30	2653.856
	15:45	2558.084
	16:00	2791.962
	16:15	2562.942
	16:30	2651.08
	16:45	2687.862
	17:00	2645.528
	17:15	2602.5
	17:30	2664.266
	17:45	2653.856
	18:00	2702.436
	18:15	2624.708
	18:30	2691.332
	18:45	2608.746
	19:00	2674.676
	19:15	2635.118
	19:30	2677.452
	19:45	2656.632
	20:00	2610.828
	20:15	2589.314
	20:30	2673.288
	20:45	2637.894
	21:00	2539.346
	21:15	2675.37
	21:30	2630.26
	21:45	2574.74
	22:00	2605.276
	22:15	2608.052
	22:30	2654.55
	22:45	2614.298
	23:00	2590.702
	23:15	2610.828
	23:30	2644.14
	23:45	2611.522
2/2/2014	0:00	2592.23
	0:15	2621.378
	0:30	2758.79
	0:45	2608.192

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	1:00	2588.066
	1:15	2592.924
	1:30	2608.192
	1:45	2615.132
	2:00	2622.766
	2:15	2681.062
	2:30	2697.024
	2:45	2518.666
	3:00	2525.606
	3:15	2579.738
	3:30	2617.908
	3:45	2590.842
	4:00	2598.476
	4:15	2583.902
	4:30	2591.536
	4:45	2728.948
	5:00	2637.34
	5:15	2608.886
	5:30	2576.962
	5:45	2638.034
	6:00	2638.034
	6:15	2579.738
	6:30	2406.932
	6:45	2604.028
	7:00	2604.028
	7:15	2419.424
	7:30	2593.618
	7:45	2614.438
	8:00	2606.11
	8:15	2529.076
	8:30	2587.372
	8:45	2574.88
	9:00	2701.188
	9:15	2606.11
	9:30	2611.662
	9:45	2611.662
	10:00	2545.038
	10:15	2638.728
	10:30	2563.776
	10:45	2553.366
	11:00	2558.224
	11:15	2550.59
	11:30	2553.366
	11:45	2561
	12:00	2526.994

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	12:15	2566.552
	12:30	2523.524
	12:45	2611.662
	13:00	2614.438
	13:15	2669.958
	13:30	2608.886
	13:45	2615.132
	14:00	2617.214
	14:15	2615.132
	14:30	2553.366
	14:45	2582.514
	15:00	2579.738
	15:15	2611.662
	15:30	2633.176
	15:45	2644.28
	16:00	2601.252
	16:15	2608.886
	16:30	2649.138
	16:45	2619.99
	17:00	2643.586
	17:15	2608.886
	17:30	2570.022
	17:45	2638.728
	18:00	2581.126
	18:15	2614.438
	18:30	2569.328
	18:45	2647.056
	19:00	2624.154
	19:15	2598.476
	19:30	2587.372
	19:45	2736.582
	20:00	2601.252
	20:15	2608.886
	20:30	2601.946
	20:45	2611.662
	21:00	2630.4
	21:15	2676.204
	21:30	2596.394
	21:45	2595.7
	22:00	2592.924
	22:15	2617.908
	22:30	2574.88
	22:45	2542.956
	23:00	2627.624
	23:15	2651.22

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	23:30	2608.886
	23:45	2558.224
2/3/2014	0:00	2489.93
	0:15	2623.178
	0:30	2674.534
	0:45	2618.32
	1:00	2615.544
	1:15	2621.096
	1:30	2636.364
	1:45	2572.516
	2:00	2641.222
	2:15	2551.696
	2:30	2594.03
	2:45	2541.286
	3:00	2458.006
	3:15	2445.514
	3:30	2705.764
	3:45	2551.696
	4:00	2620.402
	4:15	2653.02
	4:30	2605.134
	4:45	2609.992
	5:00	2596.806
	5:15	2628.73
	5:30	2594.724
	5:45	2596.806
	6:00	2596.806
	6:15	2623.178
	6:30	2609.992
	6:45	2618.32
	7:00	2426.082
	7:15	2585.702
	7:30	2594.03
	7:45	2535.734
	8:00	2582.926
	8:15	2657.184
	8:30	2574.598
	8:45	2580.15
	9:00	2559.33
	9:15	2527.406
	9:30	2530.182
	9:45	2545.45
	10:00	2570.434
	10:15	2607.216
	10:30	2562.106

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	10:45	2556.554
	11:00	2551.696
	11:15	2532.958
	11:30	2535.734
	11:45	2537.816
	12:00	2514.22
	12:15	2527.406
	12:30	2732.83
	12:45	2567.658
	13:00	2538.51
	13:15	2508.668
	13:30	2481.602
	13:45	2489.93
	14:00	2535.734
	14:15	2564.188
	14:30	2537.816
	14:45	2560.024
	15:00	2529.488
	15:15	2553.778
	15:30	2556.554
	15:45	2756.426
	16:00	2532.958
	16:15	2564.882
	16:30	2530.182
	16:45	2548.92
	17:00	2555.86
	17:15	2537.816
	17:30	2569.74
	17:45	2564.188
	18:00	2609.992
	18:15	2594.03
	18:30	2508.668
	18:45	2530.182
	19:00	2601.664
	19:15	2564.882
	19:30	2577.374
	19:45	2519.772
	20:00	2535.04
	20:15	2586.396
	20:30	2588.478
	20:45	2516.302
	21:00	2575.292
	21:15	2572.516
	21:30	2764.06
	21:45	2649.55

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	22:00	2548.92
	22:15	2604.44
	22:30	2540.592
	22:45	2548.92
	23:00	2575.292
	23:15	2561.412
	23:30	2642.61
	23:45	2575.292
2/4/2014	0:00	2585.702
	0:15	2590.56
	0:30	2556.554
	0:45	2596.806
	1:00	2461.476
	1:15	2612.768
	1:30	2572.516
	1:45	2564.882
	2:00	2580.844
	2:15	2567.658
	2:30	2829.296
	2:45	2623.178
	3:00	2556.554
	3:15	2652.326
	3:30	2442.044
	3:45	2458.006
	4:00	2567.658
	4:15	2609.298
	4:30	2612.074
	4:45	2618.32
	5:00	2609.298
	5:15	2609.298
	5:30	2594.03
	5:45	2580.844
	6:00	2604.44
	6:15	2649.55
	6:30	2602.358
	6:45	2553.778
	7:00	2617.626
	7:15	2548.92
	7:30	2458.006
	7:45	2574.598
	8:00	2575.292
	8:15	2591.254
	8:30	2769.612
	8:45	2578.068
	9:00	2591.254

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	9:15	2513.526
	9:30	2556.554
	9:45	2588.478
	10:00	2609.992
	10:15	2569.74
	10:30	2770.306
	10:45	2620.402
	11:00	2764.754
	11:15	2535.04
	11:30	2574.598
	11:45	2636.364
	12:00	2668.288
	12:15	2628.73
	12:30	2601.664
	12:45	2580.15
	13:00	2483.684
	13:15	2564.188
	13:30	2562.106
	13:45	2612.768
	14:00	2689.108
	14:15	2644.692
	14:30	2607.216
	14:45	2594.03
	15:00	2594.03
	15:15	2596.806
	15:30	2634.282
	15:45	2606.522
	16:00	2604.44
	16:15	2630.812
	16:30	2591.254
	16:45	2625.26
	17:00	2612.768
	17:15	2585.008
	17:30	2630.812
	17:45	2602.358
	18:00	2585.702
	18:15	2609.992
	18:30	2625.954
	18:45	2586.396
	19:00	2588.478
	19:15	2617.626
	19:30	2609.298
	19:45	2532.264
	20:00	2559.33
	20:15	2545.45

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	20:30	2628.73
	20:45	2596.806
	21:00	2638.446
	21:15	2575.292
	21:30	2495.482
	21:45	2580.15
	22:00	2591.254
	22:15	2572.516
	22:30	2588.478
	22:45	2594.03
	23:00	2553.778
	23:15	2587.784
	23:30	2604.44
	23:45	2702.988
2/5/2014	0:00	2607.77
	0:15	2557.108
	0:30	2712.564
	0:45	2583.48
	1:00	2575.846
	1:15	2546.698
	1:30	2573.07
	1:45	2570.988
	2:00	2584.174
	2:15	2546.698
	2:30	2567.518
	2:45	2573.07
	3:00	2748.652
	3:15	2487.708
	3:30	2584.174
	3:45	2695.908
	4:00	2584.174
	4:15	2559.884
	4:30	2568.212
	4:45	2533.512
	5:00	2514.774
	5:15	2533.512
	5:30	2525.184
	5:45	2391.936
	6:00	2532.818
	6:15	2488.402
	6:30	2546.698
	6:45	2561.966
	7:00	2434.27
	7:15	2543.922
	7:30	2525.184

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	7:45	2546.698
	8:00	2570.294
	8:15	2559.884
	8:30	2704.236
	8:45	2520.326
	9:00	2523.102
	9:15	2480.768
	9:30	2635.53
	9:45	2544.616
	10:00	2568.212
	10:15	2496.73
	10:30	2515.468
	10:45	2496.73
	11:00	2430.8
	11:15	2505.058
	11:30	2646.634
	11:45	2422.472
	12:00	2505.058
	12:15	2523.796
	12:30	2555.026
	12:45	2483.544
	13:00	2507.14
	13:15	2513.386
	13:30	2563.354
	13:45	2443.292
	14:00	2530.042
	14:15	2498.812
	14:30	2532.124
	14:45	2512.692
	15:00	2394.712
	15:15	2558.496
	15:30	2464.806
	15:45	2536.982
	16:00	2582.092
	16:15	2534.206
	16:30	2531.43
	16:45	2550.168
	17:00	2552.25
	17:15	2532.818
	17:30	2584.174
	17:45	2453.702
	18:00	2498.812
	18:15	2534.206
	18:30	2613.322
	18:45	2548.78

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	19:00	2562.66
	19:15	2529.348
	19:30	2567.518
	19:45	2546.698
	20:00	2537.676
	20:15	2573.764
	20:30	2581.398
	20:45	2498.118
	21:00	2494.648
	21:15	2463.418
	21:30	2610.546
	21:45	2639.694
	22:00	2553.638
	22:15	2534.9
	22:30	2585.562
	22:45	2557.802
	23:00	2583.48
	23:15	2561.966
	23:30	2588.338
	23:45	2534.9
2/6/2014	0:00	2517.278
	0:15	2653.996
	0:30	2563.082
	0:45	2552.672
	1:00	2520.054
	1:15	2542.262
	1:30	2544.344
	1:45	2592.23
	2:00	2463.84
	2:15	2569.328
	2:30	2621.378
	2:45	2567.94
	3:00	2540.874
	3:15	2586.678
	3:30	2713.68
	3:45	2599.864
	4:00	2599.864
	4:15	2562.388
	4:30	2434.692
	4:45	2559.612
	5:00	2540.874
	5:15	2586.678
	5:30	2570.716
	5:45	2561.694
	6:00	2744.91

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	6:15	2583.208
	6:30	2660.936
	6:45	2531.158
	7:00	2563.082
	7:15	2592.23
	7:30	2411.79
	7:45	2602.64
	8:00	2581.126
	8:15	2579.044
	8:30	2581.126
	8:45	2602.64
	9:00	2551.284
	9:15	2520.054
	9:30	2565.164
	9:45	2547.12
	10:00	2536.71
	10:15	2525.606
	10:30	2410.402
	10:45	2551.978
	11:00	2592.924
	11:15	2469.392
	11:30	2510.338
	11:45	2691.472
	12:00	2525.606
	12:15	2474.944
	12:30	2560.306
	12:45	2546.426
	13:00	2540.874
	13:15	2590.148
	13:30	2690.778
	13:45	2336.144
	14:00	2530.464
	14:15	2515.196
	14:30	2520.748
	14:45	2544.344
	15:00	2540.874
	15:15	2792.102
	15:30	2528.382
	15:45	2547.12
	16:00	2571.41
	16:15	2581.82
	16:30	2573.492
	16:45	2602.64
	17:00	2477.72
	17:15	2538.792

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	17:30	2609.58
	17:45	2560.306
	18:00	2602.64
	18:15	2501.316
	18:30	2576.268
	18:45	2583.902
	19:00	2533.24
	19:15	2584.596
	19:30	2589.454
	19:45	2597.782
	20:00	2562.388
	20:15	2587.372
	20:30	2581.126
	20:45	2528.382
	21:00	2503.398
	21:15	2573.492
	21:30	2595.006
	21:45	2506.174
	22:00	2709.516
	22:15	2597.782
	22:30	2509.644
	22:45	2588.76
	23:00	2589.454
	23:15	2629.012
	23:30	2616.52
	23:45	2674.816
2/7/2014	0:00	2597.088
	0:15	2613.744
	0:30	2563.082
	0:45	2621.378
	1:00	2615.826
	1:15	2666.488
	1:30	2586.678
	1:45	2733.806
	2:00	2613.05
	2:15	2610.968
	2:30	2676.898
	2:45	2692.86
	3:00	2633.87
	3:15	2594.312
	3:30	2480.496
	3:45	2613.05
	4:00	2610.968
	4:15	2495.764
	4:30	2690.778

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	4:45	2601.946
	5:00	2615.826
	5:15	2736.582
	5:30	2402.768
	5:45	2589.454
	6:00	2617.908
	6:15	2666.488
	6:30	2767.812
	6:45	2588.066
	7:00	2528.382
	7:15	2573.492
	7:30	2618.602
	7:45	2749.768
	8:00	2758.096
	8:15	2715.068
	8:30	2701.188
	8:45	2690.778
	9:00	2688.002
	9:15	2723.396
	9:30	2710.21
	9:45	2735.194
	10:00	2712.986
	10:15	2721.314
	10:30	2681.062
	10:45	2691.472
	11:00	2714.374
	11:15	2653.996
	11:30	2715.762
	11:45	2681.062
	12:00	2740.052
	12:15	2688.696
	12:30	2712.292
	12:45	2689.39
	13:00	2692.166
	13:15	2704.658
	13:30	2688.696
	13:45	2551.284
	14:00	2676.204
	14:15	2504.786
	14:30	2720.62
	14:45	2661.63
	15:00	2692.166
	15:15	2703.27
	15:30	2699.106
	15:45	2683.838

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	16:00	2753.238
	16:15	2666.488
	16:30	2697.024
	16:45	2651.914
	17:00	2683.838
	17:15	2686.614
	17:30	2665.1
	17:45	2692.166
	18:00	2832.354
	18:15	2699.8
	18:30	2728.948
	18:45	2707.434
	19:00	2859.42
	19:15	2598.476
	19:30	2667.182
	19:45	2667.876
	20:00	2651.22
	20:15	2692.166
	20:30	2753.238
	20:45	2692.166
	21:00	2731.724
	21:15	2713.68
	21:30	2728.948
	21:45	2888.568
	22:00	2508.256
	22:15	2715.762
	22:30	2694.248
	22:45	2964.214
	23:00	2561
	23:15	2702.576
	23:30	2731.724
	23:45	2731.724
2/8/2014	0:00	2792.102
	0:15	2643.586
	0:30	2694.248
	0:45	2731.724
	1:00	2830.272
	1:15	2681.062
	1:30	2715.762
	1:45	2699.8
	2:00	2801.124
	2:15	2689.39
	2:30	2688.696
	2:45	2707.434
	3:00	2708.128

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	3:15	2673.428
	3:30	2712.986
	3:45	2683.838
	4:00	2731.724
	4:15	2694.248
	4:30	2705.352
	4:45	2662.324
	5:00	2726.172
	5:15	2667.876
	5:30	2750.462
	5:45	2692.166
	6:00	2721.314
	6:15	2699.8
	6:30	2776.834
	6:45	2723.396
	7:00	2731.724
	7:15	2710.904
	7:30	2756.014
	7:45	2806.676
	8:00	2715.762
	8:15	2765.73
	8:30	2726.172
	8:45	2869.83
	9:00	2707.434
	9:15	2731.724
	9:30	2712.986
	9:45	2837.906
	10:00	2756.014
	10:15	2582.514
	10:30	2681.756
	10:45	2724.09
	11:00	2676.204
	11:15	2710.904
	11:30	2700.494
	11:45	2742.828
	12:00	2731.724
	12:15	2736.582
	12:30	2702.576
	12:45	2723.396
	13:00	2678.98
	13:15	2635.952
	13:30	2728.948
	13:45	2723.396
	14:00	2768.506
	14:15	2843.458

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	14:30	2747.686
	14:45	2681.062
	15:00	2731.03
	15:15	2736.582
	15:30	2704.658
	15:45	2749.768
	16:00	2731.724
	16:15	2782.386
	16:30	2776.14
	16:45	2733.806
	17:00	2934.372
	17:15	2819.168
	17:30	2784.468
	17:45	2826.802
	18:00	2712.292
	18:15	2779.61
	18:30	2795.572
	18:45	2784.468
	19:00	2790.02
	19:15	2760.872
	19:30	2763.648
	19:45	2784.468
	20:00	2688.696
	20:15	2583.208
	20:30	2787.244
	20:45	2787.938
	21:00	2792.796
	21:15	2867.748
	21:30	2715.068
	21:45	2742.134
	22:00	2803.206
	22:15	2746.992
	22:30	2723.396
	22:45	2710.904
	23:00	2733.806
	23:15	2758.096
	23:30	2592.924
	23:45	2753.238
2/9/2014	0:00	2741.57
	0:15	2757.532
	0:30	2831.79
	0:45	2742.264
	1:00	2781.822
	1:15	2771.412
	1:30	2850.528

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	1:45	2795.702
	2:00	2762.39
	2:15	2767.942
	2:30	2717.974
	2:45	2757.532
	3:00	2754.756
	3:15	2765.166
	3:30	2765.86
	3:45	2728.384
	4:00	2769.33
	4:15	2784.598
	4:30	2835.26
	4:45	2797.784
	5:00	2757.532
	5:15	2785.292
	5:30	2776.27
	5:45	2795.008
	6:00	2712.422
	6:15	2770.718
	6:30	2770.718
	6:45	2803.336
	7:00	2765.166
	7:15	2770.024
	7:30	2765.166
	7:45	2686.05
	8:00	2751.98
	8:15	2874.818
	8:30	2797.784
	8:45	2752.674
	9:00	2835.26
	9:15	2776.27
	9:30	2629.142
	9:45	2781.822
	10:00	2749.898
	10:15	2731.16
	10:30	2773.494
	10:45	2770.718
	11:00	2829.014
	11:15	2799.866
	11:30	2805.418
	11:45	2808.194
	12:00	2699.93
	12:15	2795.702
	12:30	2760.308
	12:45	2770.718

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	13:00	2755.45
	13:15	2755.45
	13:30	2776.27
	13:45	2749.898
	14:00	2775.576
	14:15	2758.226
	14:30	2773.494
	14:45	2784.598
	15:00	2786.68
	15:15	2770.718
	15:30	2773.494
	15:45	2794.314
	16:00	2803.336
	16:15	2779.046
	16:30	2847.752
	16:45	2787.374
	17:00	2773.494
	17:15	2784.598
	17:30	2789.456
	17:45	2744.346
	18:00	2776.964
	18:15	2775.576
	18:30	2773.494
	18:45	2751.98
	19:00	2746.428
	19:15	2784.598
	19:30	2741.57
	19:45	2783.904
	20:00	2758.226
	20:15	2760.308
	20:30	2767.942
	20:45	2744.346
	21:00	2774.188
	21:15	2746.428
	21:30	2749.898
	21:45	2887.31
	22:00	2781.822
	22:15	2720.056
	22:30	2784.598
	22:45	2765.166
	23:00	2842.894
	23:15	2765.166
	23:30	2749.898
	23:45	2725.608
2/10/2014	0:00	2781.692

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	0:15	2849.01
	0:30	2835.824
	0:45	2782.386
	1:00	2802.512
	1:15	2912.164
	1:30	2800.43
	1:45	2737.276
	2:00	2747.686
	2:15	2796.266
	2:30	2702.576
	2:45	2787.244
	3:00	2766.424
	3:15	2731.03
	3:30	2669.958
	3:45	2734.5
	4:00	2792.796
	4:15	2747.686
	4:30	2731.724
	4:45	2756.014
	5:00	2740.052
	5:15	2744.91
	5:30	2745.604
	5:45	2734.5
	6:00	2729.642
	6:15	2737.276
	6:30	2715.762
	6:45	2617.214
	7:00	2740.052
	7:15	2819.168
	7:30	2742.134
	7:45	2760.872
	8:00	2724.09
	8:15	2675.51
	8:30	2699.8
	8:45	2744.91
	9:00	2653.996
	9:15	2742.134
	9:30	2724.09
	9:45	2702.576
	10:00	2697.024
	10:15	2710.21
	10:30	2726.866
	10:45	2681.062
	11:00	2697.024
	11:15	2593.618

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	11:30	2672.734
	11:45	2819.168
	12:00	2720.62
	12:15	2692.166
	12:30	2683.838
	12:45	2697.024
	13:00	2756.014
	13:15	2718.538
	13:30	2715.762
	13:45	2683.838
	14:00	2749.768
	14:15	2606.11
	14:30	2708.128
	14:45	2699.8
	15:00	2731.724
	15:15	2699.8
	15:30	2699.8
	15:45	2731.724
	16:00	2713.68
	16:15	2747.686
	16:30	2631.094
	16:45	2701.882
	17:00	2699.8
	17:15	2747.686
	17:30	2795.572
	17:45	2773.364
	18:00	2646.362
	18:15	2651.914
	18:30	2712.986
	18:45	2737.276
	19:00	2726.172
	19:15	2710.904
	19:30	2779.61
	19:45	2737.276
	20:00	2583.208
	20:15	2681.062
	20:30	2660.242
	20:45	2565.164
	21:00	2694.248
	21:15	2694.248
	21:30	2699.106
	21:45	2700.494
	22:00	2663.018
	22:15	2694.248
	22:30	2711.598

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	22:45	2689.39
	23:00	2766.424
	23:15	2665.1
	23:30	2715.762
	23:45	2705.352
2/11/2014	0:00	2728.526
	0:15	2708.4
	0:30	2709.788
	0:45	2700.766
	1:00	2692.438
	1:15	2530.042
	1:30	2741.712
	1:45	2722.28
	2:00	2612.628
	2:15	2691.05
	2:30	2705.624
	2:45	2680.64
	3:00	2718.81
	3:15	2709.788
	3:30	2809.724
	3:45	2700.072
	4:00	2720.198
	4:15	2687.58
	4:30	2676.476
	4:45	2684.804
	5:00	2671.618
	5:15	2705.624
	5:30	2684.11
	5:45	2697.99
	6:00	2670.924
	6:15	2638.306
	6:30	2668.842
	6:45	2681.334
	7:00	2702.848
	7:15	2668.148
	7:30	2673.7
	7:45	2708.4
	8:00	2595.972
	8:15	2678.558
	8:30	2682.028
	8:45	2692.438
	9:00	2778.494
	9:15	2687.58
	9:30	2516.162
	9:45	2649.41

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	10:00	2646.634
	10:15	2687.58
	10:30	2678.558
	10:45	2804.866
	11:00	2633.448
	11:15	2673.7
	11:30	2713.952
	11:45	2700.072
	12:00	2648.022
	12:15	2695.214
	12:30	2652.88
	12:45	2655.656
	13:00	2668.842
	13:15	2668.148
	13:30	2687.58
	13:45	2636.918
	14:00	2649.41
	14:15	2687.58
	14:30	2774.33
	14:45	2695.214
	15:00	2662.596
	15:15	2634.142
	15:30	2777.106
	15:45	2689.662
	16:00	2700.766
	16:15	2684.804
	16:30	2903.414
	16:45	2684.11
	17:00	2710.482
	17:15	2682.028
	17:30	2713.952
	17:45	2679.946
	18:00	2724.362
	18:15	2695.214
	18:30	2743.1
	18:45	2691.744
	19:00	2876.348
	19:15	2724.362
	19:30	2666.066
	19:45	2737.548
	20:00	2703.542
	20:15	2841.648
	20:30	2695.214
	20:45	2729.22
	21:00	2747.264

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	21:15	2722.28
	21:30	2761.838
	21:45	2720.892
	22:00	2899.944
	22:15	2652.186
	22:30	2737.548
	22:45	2713.952
	23:00	2737.548
	23:15	2691.744
	23:30	2770.166
	23:45	2731.302
2/12/2014	0:00	2768.918
	0:15	2741.852
	0:30	2721.032
	0:45	2808.476
	1:00	2773.776
	1:15	2731.442
	1:30	2721.032
	1:45	2680.78
	2:00	2723.114
	2:15	2736.3
	2:30	2727.972
	2:45	2493.4
	3:00	2675.228
	3:15	2734.218
	3:30	2696.742
	3:45	2904.248
	4:00	2661.348
	4:15	2712.704
	4:30	2688.414
	4:45	2729.36
	5:00	2727.278
	5:15	2696.048
	5:30	2870.242
	5:45	2726.584
	6:00	2659.266
	6:15	2710.622
	6:30	2691.884
	6:45	2712.704
	7:00	2693.272
	7:15	2718.256
	7:30	2680.78
	7:45	2545.45
	8:00	2715.48
	8:15	2777.94

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	8:30	2729.36
	8:45	2721.726
	9:00	2724.502
	9:15	2702.294
	9:30	2743.24
	9:45	2736.994
	10:00	2728.666
	10:15	2855.668
	10:30	2680.78
	10:45	2705.07
	11:00	2667.594
	11:15	2811.946
	11:30	2741.852
	11:45	2829.296
	12:00	2687.026
	12:15	2659.96
	12:30	2691.884
	12:45	2707.846
	13:00	2739.076
	13:15	2780.022
	13:30	2733.524
	13:45	2632.894
	14:00	2676.616
	14:15	2755.038
	14:30	2720.338
	14:45	2678.698
	15:00	2736.994
	15:15	2736.994
	15:30	2721.032
	15:45	2739.076
	16:00	2727.972
	16:15	2881.346
	16:30	2774.47
	16:45	2896.614
	17:00	2752.956
	17:15	2749.486
	17:30	2789.044
	17:45	2763.366
	18:00	2748.098
	18:15	2736.3
	18:30	2718.256
	18:45	2752.956
	19:00	2750.18
	19:15	2779.328
	19:30	2551.002

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	19:45	2827.908
	20:00	2765.448
	20:15	2755.038
	20:30	2762.672
	20:45	2665.512
	21:00	2613.462
	21:15	2739.076
	21:30	2715.48
	21:45	2726.584
	22:00	2755.038
	22:15	2740.464
	22:30	2739.076
	22:45	2634.282
	23:00	2715.48
	23:15	2723.114
	23:30	2707.152
	23:45	2571.128
2/13/2014	0:00	2706.176
	0:15	2744.346
	0:30	2541.004
	0:45	2697.848
	1:00	2724.22
	1:15	2718.668
	1:30	2708.258
	1:45	2706.176
	2:00	2791.538
	2:15	2713.81
	2:30	2696.46
	2:45	2699.93
	3:00	2758.226
	3:15	2644.41
	3:30	2628.448
	3:45	2890.78
	4:00	2767.248
	4:15	2694.378
	4:30	2724.914
	4:45	2661.76
	5:00	2720.75
	5:15	2732.548
	5:30	2667.312
	5:45	2742.264
	6:00	2712.422
	6:15	2766.554
	6:30	2722.832
	6:45	2711.034

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	7:00	2746.428
	7:15	2722.832
	7:30	2735.324
	7:45	2754.756
	8:00	2679.11
	8:15	2792.926
	8:30	2917.846
	8:45	2675.64
	9:00	2742.264
	9:15	2749.898
	9:30	2757.532
	9:45	2772.8
	10:00	2755.45
	10:15	2776.27
	10:30	2701.318
	10:45	2722.832
	11:00	2690.908
	11:15	2709.646
	11:30	2739.488
	11:45	2781.128
	12:00	2733.242
	12:15	2690.214
	12:30	2685.356
	12:45	2687.438
	13:00	2721.444
	13:15	2823.462
	13:30	2764.472
	13:45	2783.904
	14:00	2775.576
	14:15	2791.538
	14:30	2772.106
	14:45	2545.168
	15:00	2770.024
	15:15	2695.072
	15:30	2767.248
	15:45	2769.33
	16:00	2762.39
	16:15	2799.172
	16:30	2790.844
	16:45	2911.6
	17:00	2877.594
	17:15	2780.434
	17:30	2783.21
	17:45	2636.776
	18:00	2719.362

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	18:15	2713.81
	18:30	2761.696
	18:45	2765.166
	19:00	2743.652
	19:15	2794.314
	19:30	2797.09
	19:45	2860.938
	20:00	2836.648
	20:15	2834.566
	20:30	2847.752
	20:45	2810.276
	21:00	2858.856
	21:15	2864.408
	21:30	2869.266
	21:45	2845.67
	22:00	2882.452
	22:15	2829.014
	22:30	2858.856
	22:45	2816.522
	23:00	2770.718
	23:15	2842.894
	23:30	2890.78
	23:45	2779.046
2/14/2014	0:00	2817.64
	0:15	2905.778
	0:30	2812.088
	0:45	2834.296
	1:00	2769.754
	1:15	2857.892
	1:30	2851.646
	1:45	2993.916
	2:00	2878.712
	2:15	2812.088
	2:30	2857.198
	2:45	2830.132
	3:00	2912.718
	3:15	2844.012
	3:30	2868.302
	3:45	2853.034
	4:00	2822.498
	4:15	2825.274
	4:30	2854.422
	4:45	2761.426
	5:00	2800.984
	5:15	2854.422

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	5:30	2803.76
	5:45	2776.694
	6:00	2812.782
	6:15	2810.006
	6:30	3011.96
	6:45	2838.46
	7:00	2800.984
	7:15	2811.394
	7:30	2816.946
	7:45	2816.946
	8:00	2819.722
	8:15	2812.088
	8:30	2815.558
	8:45	2795.432
	9:00	2785.022
	9:15	2785.022
	9:30	2811.394
	9:45	2888.428
	10:00	2800.984
	10:15	2825.274
	10:30	2816.946
	10:45	2696.884
	11:00	2862.75
	11:15	2731.584
	11:30	2755.18
	11:45	2751.016
	12:00	2723.95
	12:15	2739.218
	12:30	2776.694
	12:45	2715.622
	13:00	2752.404
	13:15	2787.798
	13:30	2782.246
	13:45	2814.864
	14:00	2817.64
	14:15	2808.618
	14:30	2810.7
	14:45	2803.76
	15:00	2792.656
	15:15	2792.656
	15:30	2859.28
	15:45	2811.394
	16:00	2848.87
	16:15	2846.094
	16:30	2814.17

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	16:45	2853.728
	17:00	2845.4
	17:15	2837.766
	17:30	2870.384
	17:45	3035.556
	18:00	2875.936
	18:15	2846.094
	18:30	2873.16
	18:45	2968.932
	19:00	2681.616
	19:15	2891.898
	19:30	2867.608
	19:45	2832.908
	20:00	2937.008
	20:15	2875.936
	20:30	2881.488
	20:45	2757.956
	21:00	3105.65
	21:15	2865.526
	21:30	2948.112
	21:45	2915.494
	22:00	2897.45
	22:15	2721.868
	22:30	2913.412
	22:45	2867.608
	23:00	2846.788
	23:15	2851.646
	23:30	2884.264
	23:45	2860.668
2/15/2014	0:00	2809.452
	0:15	2856.644
	0:30	2851.092
	0:45	2798.348
	1:00	2819.168
	1:15	2849.01
	1:30	2819.168
	1:45	2875.382
	2:00	2848.316
	2:15	2837.906
	2:30	2917.716
	2:45	2843.458
	3:00	2843.458
	3:15	2830.272
	3:30	2849.01
	3:45	2779.61

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	4:00	2825.414
	4:15	2838.6
	4:30	2778.916
	4:45	2824.72
	5:00	2867.748
	5:15	2870.524
	5:30	2864.278
	5:45	2710.21
	6:00	2835.824
	6:15	2843.458
	6:30	2814.31
	6:45	2843.458
	7:00	2830.272
	7:15	2766.424
	7:30	2699.8
	7:45	2810.84
	8:00	2969.072
	8:15	2828.19
	8:30	2723.396
	8:45	2846.234
	9:00	2849.01
	9:15	2859.42
	9:30	2851.092
	9:45	2808.064
	10:00	2859.42
	10:15	2896.202
	10:30	2779.61
	10:45	2842.764
	11:00	2917.716
	11:15	2803.9
	11:30	2717.844
	11:45	2799.736
	12:00	2878.158
	12:15	2816.392
	12:30	2819.168
	12:45	2651.914
	13:00	2891.344
	13:15	2839.988
	13:30	2861.502
	13:45	2851.092
	14:00	2835.13
	14:15	2770.588
	14:30	2845.54
	14:45	2810.84
	15:00	2842.764

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	15:15	2842.07
	15:30	2808.064
	15:45	2807.37
	16:00	2821.944
	16:15	2835.13
	16:30	2853.174
	16:45	2610.968
	17:00	2866.36
	17:15	2850.398
	17:30	2927.432
	17:45	2964.908
	18:00	2957.274
	18:15	2925.35
	18:30	2855.95
	18:45	2855.95
	19:00	3035.002
	19:15	2898.978
	19:30	2888.568
	19:45	3088.44
	20:00	2912.164
	20:15	2869.83
	20:30	2857.338
	20:45	2888.568
	21:00	2936.454
	21:15	2936.454
	21:30	2960.05
	21:45	2905.224
	22:00	2902.448
	22:15	2933.678
	22:30	2906.612
	22:45	2912.858
	23:00	2942.006
	23:15	2928.126
	23:30	2923.962
	23:45	2971.154
2/16/2014	0:00	2938.536
	0:15	2899.672
	0:30	2896.202
	0:45	2862.196
	1:00	2947.558
	1:15	2928.126
	1:30	2872.606
	1:45	2995.444
	2:00	2934.372
	2:15	2960.744

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	2:30	2899.672
	2:45	2928.82
	3:00	2917.716
	3:15	3096.768
	3:30	2910.776
	3:45	2957.968
	4:00	2947.558
	4:15	2920.492
	4:30	2886.486
	4:45	2918.41
	5:00	2936.454
	5:15	3016.958
	5:30	2910.776
	5:45	2806.676
	6:00	2984.34
	6:15	2886.486
	6:30	2939.23
	6:45	2953.11
	7:00	2928.82
	7:15	3011.406
	7:30	2934.372
	7:45	2902.448
	8:00	2971.848
	8:15	2853.868
	8:30	2907.306
	8:45	2894.12
	9:00	2886.486
	9:15	2915.634
	9:30	2795.572
	9:45	2890.65
	10:00	2904.53
	10:15	2787.244
	10:30	2853.174
	10:45	2805.288
	11:00	2795.572
	11:15	2796.96
	11:30	2741.44
	11:45	2749.074
	12:00	2775.446
	12:15	2743.522
	12:30	2753.932
	12:45	2786.55
	13:00	2836.518
	13:15	2861.502
	13:30	2794.184

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	13:45	2796.96
	14:00	2858.032
	14:15	2627.624
	14:30	2839.988
	14:45	2837.212
	15:00	2801.818
	15:15	2858.032
	15:30	2846.928
	15:45	2761.566
	16:00	2852.48
	16:15	2887.18
	16:30	2895.508
	16:45	2852.48
	17:00	2846.928
	17:15	2881.628
	17:30	2830.966
	17:45	2921.88
	18:00	2841.376
	18:15	2886.486
	18:30	2849.704
	18:45	2839.988
	19:00	2891.344
	19:15	2858.032
	19:30	2823.332
	19:45	2869.136
	20:00	2917.022
	20:15	2896.202
	20:30	2848.316
	20:45	2818.474
	21:00	2808.064
	21:15	2808.064
	21:30	2826.802
	21:45	2803.206
	22:00	2757.402
	22:15	2812.922
	22:30	2816.392
	22:45	2810.84
	23:00	2821.25
	23:15	2831.66
	23:30	2821.25
	23:45	2887.874
2/17/2014	0:00	2846.094
	0:15	2782.246
	0:30	2787.104
	0:45	2848.87

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	1:00	2819.722
	1:15	2835.684
	1:30	2866.914
	1:45	2875.936
	2:00	2837.766
	2:15	2864.138
	2:30	2807.924
	2:45	2814.17
	3:00	2827.356
	3:15	2830.132
	3:30	2815.558
	3:45	2830.132
	4:00	2835.684
	4:15	2880.794
	4:30	2835.684
	4:45	2806.536
	5:00	2669.124
	5:15	2947.418
	5:30	2878.712
	5:45	2859.28
	6:00	2809.312
	6:15	2798.208
	6:30	2821.804
	6:45	2790.574
	7:00	2826.662
	7:15	2814.17
	7:30	2827.356
	7:45	2824.58
	8:00	2832.908
	8:15	2830.132
	8:30	2838.46
	8:45	2814.17
	9:00	2808.618
	9:15	2824.58
	9:30	2763.508
	9:45	2760.732
	10:00	2923.128
	10:15	2869.69
	10:30	2861.362
	10:45	2837.766
	11:00	2803.066
	11:15	2861.362
	11:30	2837.072
	11:45	2827.356
	12:00	2807.924

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	12:15	2788.492
	12:30	2795.432
	12:45	2776.694
	13:00	2842.624
	13:15	2837.766
	13:30	2875.242
	13:45	2778.776
	14:00	2973.79
	14:15	2845.4
	14:30	2950.194
	14:45	2827.356
	15:00	2808.618
	15:15	2814.17
	15:30	2757.956
	15:45	2850.952
	16:00	2864.138
	16:15	2816.946
	16:30	2821.11
	16:45	2853.728
	17:00	2832.908
	17:15	2856.504
	17:30	2877.324
	17:45	2808.618
	18:00	2831.52
	18:15	2787.798
	18:30	2816.252
	18:45	2827.356
	19:00	2834.99
	19:15	2841.236
	19:30	2850.952
	19:45	2857.198
	20:00	2859.974
	20:15	2846.094
	20:30	2902.308
	20:45	3032.78
	21:00	2963.38
	21:15	2862.056
	21:30	2848.87
	21:45	2854.422
	22:00	2921.046
	22:15	2859.28
	22:30	2875.936
	22:45	2867.608
	23:00	2916.188
	23:15	2851.646

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	23:30	2867.608
	23:45	2841.236
2/18/2014	0:00	2817.64
	0:15	2859.974
	0:30	2846.788
	0:45	2873.16
	1:00	2891.898
	1:15	2852.34
	1:30	2838.46
	1:45	2887.04
	2:00	2835.684
	2:15	2816.946
	2:30	2873.16
	2:45	2830.132
	3:00	2868.302
	3:15	2849.564
	3:30	2910.636
	3:45	2855.116
	4:00	2849.564
	4:15	2816.946
	4:30	2805.842
	4:45	2848.176
	5:00	2841.236
	5:15	2779.47
	5:30	2825.968
	5:45	2838.46
	6:00	2744.076
	6:15	2769.754
	6:30	2698.966
	6:45	2668.43
	7:00	2697.578
	7:15	2697.578
	7:30	2682.31
	7:45	2658.714
	8:00	2692.026
	8:15	2707.294
	8:30	2648.304
	8:45	2723.256
	9:00	2735.054
	9:15	2787.798
	9:30	2683.004
	9:45	2714.234
	10:00	2702.436
	10:15	2666.348
	10:30	2762.12

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	10:45	2552.532
	11:00	2703.824
	11:15	2702.436
	11:30	2741.3
	11:45	2493.542
	12:00	2669.818
	12:15	2626.096
	12:30	2619.85
	12:45	2645.528
	13:00	2543.51
	13:15	2683.698
	13:30	2662.878
	13:45	2435.94
	14:00	2663.572
	14:15	2722.562
	14:30	2718.398
	14:45	2676.064
	15:00	2638.588
	15:15	2680.228
	15:30	2733.666
	15:45	2768.366
	16:00	2672.594
	16:15	2702.436
	16:30	2688.556
	16:45	2679.534
	17:00	2667.736
	17:15	2660.102
	17:30	2625.402
	17:45	2473.416
	18:00	2678.84
	18:15	2601.806
	18:30	2618.462
	18:45	2587.926
	19:00	2600.418
	19:15	2689.944
	19:30	2697.578
	19:45	2685.78
	20:00	2885.652
	20:15	2705.906
	20:30	2687.168
	20:45	2697.578
	21:00	2709.376
	21:15	2663.572
	21:30	2593.478
	21:45	2689.944

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	22:00	2689.944
	22:15	2655.938
	22:30	2615.686
	22:45	2687.168
	23:00	2676.064
	23:15	2669.124
	23:30	2740.606
	23:45	2698.966
2/19/2014	0:00	2692.024
	0:15	2711.456
	0:30	2705.904
	0:45	2825.966
	1:00	2703.822
	1:15	2693.412
	1:30	2697.576
	1:45	2709.374
	2:00	2722.56
	2:15	2714.232
	2:30	2726.724
	2:45	2694.8
	3:00	2719.784
	3:15	2719.784
	3:30	2737.828
	3:45	2794.042
	4:00	2692.024
	4:15	2639.28
	4:30	2727.418
	4:45	2704.516
	5:00	2554.612
	5:15	2746.156
	5:30	2626.094
	5:45	2735.746
	6:00	2752.402
	6:15	2700.352
	6:30	2685.084
	6:45	2573.35
	7:00	2735.746
	7:15	2685.084
	7:30	2884.956
	7:45	2742.686
	8:00	2731.582
	8:15	2748.238
	8:30	2684.39
	8:45	2713.538
	9:00	2692.718

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	9:15	2727.418
	9:30	2677.45
	9:45	2697.576
	10:00	2762.118
	10:15	2711.456
	10:30	2791.266
	10:45	2700.352
	11:00	2687.166
	11:15	2700.352
	11:30	2633.728
	11:45	2689.942
	12:00	2656.63
	12:15	2662.876
	12:30	2655.242
	12:45	2700.352
	13:00	2689.248
	13:15	2454.676
	13:30	2678.838
	13:45	2732.276
	14:00	2744.768
	14:15	2723.254
	14:30	2734.358
	14:45	2723.948
	15:00	2796.124
	15:15	2510.89
	15:30	2755.872
	15:45	2736.44
	16:00	2749.626
	16:15	2732.276
	16:30	2749.626
	16:45	2633.034
	17:00	2769.058
	17:15	2593.476
	17:30	2774.61
	17:45	2542.814
	18:00	2761.424
	18:15	2747.544
	18:30	2702.434
	18:45	2798.206
	19:00	2787.796
	19:15	2791.266
	19:30	2764.894
	19:45	2705.904
	20:00	2787.796
	20:15	2788.49

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	20:30	2572.656
	20:45	2785.714
	21:00	2761.424
	21:15	2782.938
	21:30	2692.718
	21:45	2777.386
	22:00	2759.342
	22:15	2801.676
	22:30	2830.824
	22:45	2681.614
	23:00	2809.31
	23:15	2841.928
	23:30	2871.076
	23:45	2798.9
2/20/2014	0:00	2778.634
	0:15	2781.41
	0:30	2741.852
	0:45	2831.378
	1:00	2807.782
	1:15	2850.116
	1:30	2765.448
	1:45	2783.492
	2:00	2757.12
	2:15	2938.254
	2:30	2821.662
	2:45	2791.82
	3:00	2841.788
	3:15	2761.978
	3:30	2771
	3:45	2752.262
	4:00	2723.114
	4:15	2775.858
	4:30	2761.978
	4:45	2793.902
	5:00	2671.064
	5:15	2714.786
	5:30	2727.278
	5:45	2676.616
	6:00	2932.702
	6:15	2788.35
	6:30	2743.24
	6:45	2708.54
	7:00	2704.376
	7:15	2707.152
	7:30	2656.49

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	7:45	2735.606
	8:00	2761.978
	8:15	2711.316
	8:30	2660.654
	8:45	2660.654
	9:00	2716.868
	9:15	2691.19
	9:30	2713.398
	9:45	2601.664
	10:00	2689.108
	10:15	2634.976
	10:30	2627.342
	10:45	2628.73
	11:00	2621.79
	11:15	2579.456
	11:30	2565.576
	11:45	2389.3
	12:00	2599.582
	12:15	2603.052
	12:30	2602.358
	12:45	2549.614
	13:00	2623.872
	13:15	2506.586
	13:30	2626.648
	13:45	2615.544
	14:00	2626.648
	14:15	2506.586
	14:30	2634.282
	14:45	2597.5
	15:00	2618.32
	15:15	2623.872
	15:30	2605.134
	15:45	2661.348
	16:00	2657.184
	16:15	2704.376
	16:30	2646.08
	16:45	2648.162
	17:00	2642.61
	17:15	2693.272
	17:30	2734.912
	17:45	2655.796
	18:00	2668.288
	18:15	2661.348
	18:30	2607.91
	18:45	2621.79

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	19:00	2643.304
	19:15	2638.446
	19:30	2639.834
	19:45	2634.282
	20:00	2614.85
	20:15	2623.872
	20:30	2591.254
	20:45	2609.992
	21:00	2630.118
	21:15	2637.752
	21:30	2613.462
	21:45	2615.544
	22:00	2614.156
	22:15	2638.446
	22:30	2652.326
	22:45	2377.502
	23:00	2578.068
	23:15	2521.854
	23:30	2629.424
	23:45	2668.288
2/21/2014	0:00	2518.526
	0:15	2673.288
	0:30	2653.856
	0:45	2644.834
	1:00	2662.184
	1:15	2633.73
	1:30	2681.616
	1:45	2649.692
	2:00	2654.55
	2:15	2660.102
	2:30	2652.468
	2:45	2606.664
	3:00	2612.91
	3:15	2630.954
	3:30	2633.73
	3:45	2712.846
	4:00	2650.386
	4:15	2648.998
	4:30	2630.26
	4:45	2646.916
	5:00	2631.648
	5:15	2623.32
	5:30	2612.216
	5:45	2670.512
	6:00	2666.348

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	6:15	2588.62
	6:30	2612.216
	6:45	2647.61
	7:00	2638.588
	7:15	2590.702
	7:30	2710.764
	7:45	2628.178
	8:00	2634.424
	8:15	2625.402
	8:30	2649.692
	8:45	2655.244
	9:00	2652.468
	9:15	2492.154
	9:30	2697.578
	9:45	2556.696
	10:00	2646.916
	10:15	2659.408
	10:30	2686.474
	10:45	2638.588
	11:00	2710.07
	11:15	2641.364
	11:30	2721.174
	11:45	2390.83
	12:00	2593.478
	12:15	2593.478
	12:30	2622.626
	12:45	2651.774
	13:00	2603.194
	13:15	2689.25
	13:30	2603.888
	13:45	2776.694
	14:00	2627.484
	14:15	2676.064
	14:30	2622.626
	14:45	2798.208
	15:00	2509.504
	15:15	2622.626
	15:30	2678.146
	15:45	2609.44
	16:00	2712.846
	16:15	2667.736
	16:30	2632.342
	16:45	2658.714
	17:00	2648.304
	17:15	2646.222

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	17:30	2659.408
	17:45	2646.222
	18:00	2641.364
	18:15	2667.736
	18:30	2645.528
	18:45	2635.812
	19:00	2657.326
	19:15	2659.408
	19:30	2675.37
	19:45	2689.25
	20:00	2710.07
	20:15	2630.26
	20:30	2686.474
	20:45	2662.184
	21:00	2521.302
	21:15	2399.158
	21:30	2751.016
	21:45	2662.878
	22:00	2671.206
	22:15	2748.24
	22:30	2697.578
	22:45	2646.916
	23:00	2683.698
	23:15	2721.174
	23:30	2694.108
	23:45	2705.906
2/22/2014	0:00	2698.272
	0:15	2716.316
	0:30	2709.376
	0:45	2743.382
	1:00	2724.644
	1:15	2713.54
	1:30	2697.578
	1:45	2707.988
	2:00	2703.13
	2:15	2712.846
	2:30	2743.382
	2:45	2705.212
	3:00	2729.502
	3:15	2873.16
	3:30	2737.83
	3:45	2719.092
	4:00	2761.426
	4:15	2655.244
	4:30	2588.62

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	4:45	2686.474
	5:00	2718.398
	5:15	2710.764
	5:30	2691.332
	5:45	2719.092
	6:00	2732.278
	6:15	2719.092
	6:30	2721.868
	6:45	2676.758
	7:00	2719.092
	7:15	2857.198
	7:30	2638.588
	7:45	2732.278
	8:00	2727.42
	8:15	2795.432
	8:30	2700.354
	8:45	2719.092
	9:00	2782.94
	9:15	2715.622
	9:30	2713.54
	9:45	2657.326
	10:00	2672.594
	10:15	2656.632
	10:30	2648.998
	10:45	2673.288
	11:00	2653.856
	11:15	2506.728
	11:30	2594.866
	11:45	2565.024
	12:00	2571.27
	12:15	2576.128
	12:30	2612.91
	12:45	2671.9
	13:00	2655.938
	13:15	2688.556
	13:30	2608.052
	13:45	2922.434
	14:00	2597.642
	14:15	2695.496
	14:30	2628.872
	14:45	2612.91
	15:00	2565.718
	15:15	2618.462
	15:30	2663.572
	15:45	2721.868

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	16:00	2634.424
	16:15	2680.228
	16:30	2680.228
	16:45	2671.9
	17:00	2687.862
	17:15	2712.152
	17:30	2687.168
	17:45	2701.742
	18:00	2730.196
	18:15	2678.146
	18:30	2669.818
	18:45	2445.656
	19:00	2677.452
	19:15	2763.508
	19:30	2749.628
	19:45	2702.436
	20:00	2698.966
	20:15	2696.19
	20:30	2746.852
	20:45	2763.508
	21:00	2646.222
	21:15	2755.874
	21:30	2746.852
	21:45	2789.88
	22:00	2771.142
	22:15	2731.584
	22:30	2832.908
	22:45	2757.956
	23:00	2796.126
	23:15	2774.612
	23:30	2769.06
	23:45	2942.56
2/23/2014	0:00	2756.568
	0:15	2846.094
	0:30	2766.284
	0:45	2622.626
	1:00	2742.688
	1:15	2741.994
	1:30	2796.126
	1:45	2758.65
	2:00	2761.426
	2:15	2838.46
	2:30	2787.798
	2:45	2747.546
	3:00	2798.902

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	3:15	2781.552
	3:30	2760.732
	3:45	2776.694
	4:00	2773.918
	4:15	2736.442
	4:30	2723.256
	4:45	2713.54
	5:00	2731.584
	5:15	2699.66
	5:30	2716.316
	5:45	2769.06
	6:00	2806.536
	6:15	2721.174
	6:30	2751.016
	6:45	2748.24
	7:00	2705.212
	7:15	2705.212
	7:30	2788.492
	7:45	2707.988
	8:00	2732.278
	8:15	2718.398
	8:30	2719.092
	8:45	2747.546
	9:00	2788.492
	9:15	2630.26
	9:30	2729.502
	9:45	2734.36
	10:00	2689.25
	10:15	2707.988
	10:30	2703.13
	10:45	2729.502
	11:00	2713.54
	11:15	2665.654
	11:30	2475.498
	11:45	2697.578
	12:00	2644.14
	12:15	2614.298
	12:30	2654.55
	12:45	2790.574
	13:00	2705.212
	13:15	2694.108
	13:30	2680.922
	13:45	2716.316
	14:00	2737.83
	14:15	2671.206

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	14:30	2713.54
	14:45	2694.802
	15:00	2617.074
	15:15	2689.25
	15:30	2715.622
	15:45	2686.474
	16:00	2699.66
	16:15	2731.584
	16:30	2726.032
	16:45	2615.686
	17:00	2773.918
	17:15	2750.322
	17:30	2705.212
	17:45	2734.36
	18:00	2909.942
	18:15	2747.546
	18:30	2771.836
	18:45	2805.148
	19:00	2841.236
	19:15	2798.902
	19:30	2755.18
	19:45	2739.912
	20:00	2723.95
	20:15	2742.688
	20:30	2742.688
	20:45	2731.584
	21:00	2745.464
	21:15	2832.908
	21:30	2716.316
	21:45	2755.874
	22:00	2748.24
	22:15	2737.136
	22:30	2713.54
	22:45	2751.016
	23:00	2758.65
	23:15	2646.916
	23:30	2804.454
	23:45	2721.868
2/24/2014	0:00	2584.002
	0:15	2730.436
	0:30	2754.032
	0:45	2550.69
	1:00	2608.292
	1:15	2738.764
	1:30	2715.168

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	1:45	2715.168
	2:00	2720.026
	2:15	2693.654
	2:30	2720.026
	2:45	2727.66
	3:00	2605.516
	3:15	2730.436
	3:30	2691.572
	3:45	2674.916
	4:00	2682.55
	4:15	2693.654
	4:30	2674.916
	4:45	2584.002
	5:00	2688.796
	5:15	2594.412
	5:30	2709.616
	5:45	2749.174
	6:00	2712.392
	6:15	2763.054
	6:30	2678.386
	6:45	2706.84
	7:00	2695.736
	7:15	2706.84
	7:30	2690.878
	7:45	2686.02
	8:00	2658.954
	8:15	2709.616
	8:30	2749.868
	8:45	2687.408
	9:00	2693.654
	9:15	2751.95
	9:30	2841.476
	9:45	2703.37
	10:00	2709.616
	10:15	2722.802
	10:30	2677.692
	10:45	2722.802
	11:00	2696.43
	11:15	2677.692
	11:30	2581.226
	11:45	2709.616
	12:00	2731.13
	12:15	2706.84
	12:30	2688.102
	12:45	2703.37

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	13:00	2701.288
	13:15	2785.956
	13:30	2746.398
	13:45	2744.316
	14:00	2706.84
	14:15	2831.76
	14:30	2701.288
	14:45	2724.884
	15:00	2685.326
	15:15	2706.146
	15:30	2722.802
	15:45	2749.174
	16:00	2661.73
	16:15	2722.108
	16:30	2719.332
	16:45	2781.792
	17:00	2645.074
	17:15	2717.25
	17:30	2703.37
	17:45	2717.25
	18:00	2598.576
	18:15	2746.398
	18:30	2775.546
	18:45	2762.36
	19:00	2725.578
	19:15	2589.554
	19:30	2762.36
	19:45	2743.622
	20:00	2751.95
	20:15	2821.35
	20:30	2735.988
	20:45	2759.584
	21:00	2738.07
	21:15	2749.174
	21:30	2735.988
	21:45	2727.66
	22:00	2744.316
	22:15	2740.846
	22:30	2747.092
	22:45	2690.184
	23:00	2751.95
	23:15	2770.688
	23:30	2714.474
	23:45	2722.802
2/25/2014	0:00	2704.064

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	0:15	2698.512
	0:30	2751.95
	0:45	2724.884
	1:00	2754.726
	1:15	2725.578
	1:30	2760.278
	1:45	2738.764
	2:00	2729.742
	2:15	2596.494
	2:30	2716.556
	2:45	2792.202
	3:00	2704.064
	3:15	2760.278
	3:30	2696.43
	3:45	2725.578
	4:00	2733.212
	4:15	2695.042
	4:30	2722.108
	4:45	2810.246
	5:00	2782.486
	5:15	2736.682
	5:30	2736.682
	5:45	2751.95
	6:00	2749.174
	6:15	2880.34
	6:30	2694.348
	6:45	2766.524
	7:00	2701.982
	7:15	2756.114
	7:30	2739.458
	7:45	2713.78
	8:00	2733.906
	8:15	2666.588
	8:30	2749.174
	8:45	2713.78
	9:00	2746.398
	9:15	2730.436
	9:30	2738.764
	9:45	2697.124
	10:00	2698.512
	10:15	2716.556
	10:30	2865.072
	10:45	2697.818
	11:00	2701.982
	11:15	2693.654

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	11:30	2693.654
	11:45	2650.626
	12:00	2690.184
	12:15	2645.768
	12:30	2867.848
	12:45	2724.19
	13:00	2755.42
	13:15	2724.19
	13:30	2736.682
	13:45	2751.95
	14:00	2746.398
	14:15	2756.114
	14:30	2711.004
	14:45	2724.19
	15:00	2729.048
	15:15	2752.644
	15:30	2586.084
	15:45	2735.294
	16:00	2737.376
	16:15	2598.576
	16:30	2638.828
	16:45	2692.266
	17:00	2628.418
	17:15	2726.966
	17:30	2911.57
	17:45	2708.922
	18:00	2706.146
	18:15	2703.37
	18:30	2722.108
	18:45	2776.934
	19:00	2826.208
	19:15	2705.452
	19:30	2747.786
	19:45	2737.376
	20:00	2730.436
	20:15	2734.6
	20:30	2721.414
	20:45	2804
	21:00	2769.3
	21:15	2823.432
	21:30	2774.158
	21:45	2687.408
	22:00	2751.256
	22:15	2733.212
	22:30	2710.31

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	22:45	2721.414
	23:00	2714.474
	23:15	2726.966
	23:30	2642.298
	23:45	2556.242
2/26/2014	0:00	2693.824
	0:15	2777.104
	0:30	2713.256
	0:45	2691.742
	1:00	2694.518
	1:15	2702.846
	1:30	2718.114
	1:45	2673.698
	2:00	2686.19
	2:15	2737.546
	2:30	2688.966
	2:45	2704.928
	3:00	2670.228
	3:15	2697.294
	3:30	2691.742
	3:45	2502.974
	4:00	2593.194
	4:15	2636.222
	4:30	2850.668
	4:45	2713.95
	5:00	2700.07
	5:15	2675.78
	5:30	2686.19
	5:45	2674.392
	6:00	2652.184
	6:15	2676.474
	6:30	2654.266
	6:45	2654.96
	7:00	2526.57
	7:15	2678.556
	7:30	2662.594
	7:45	2646.632
	8:00	2660.512
	8:15	2660.512
	8:30	2618.178
	8:45	2687.578
	9:00	2679.25
	9:15	2607.768
	9:30	2650.796
	9:45	2637.61

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	10:00	2677.168
	10:15	2613.32
	10:30	2559.188
	10:45	2591.806
	11:00	2638.998
	11:15	2569.598
	11:30	2599.44
	11:45	2541.144
	12:00	2590.418
	12:15	2561.964
	12:30	2564.74
	12:45	2615.402
	13:00	2704.234
	13:15	2645.244
	13:30	2616.096
	13:45	2652.184
	14:00	2814.58
	14:15	2686.19
	14:30	2625.812
	14:45	2634.14
	15:00	2734.77
	15:15	2638.998
	15:30	2681.332
	15:45	2638.304
	16:00	2598.746
	16:15	2700.07
	16:30	2630.67
	16:45	2622.342
	17:00	2606.38
	17:15	2598.746
	17:30	2678.556
	17:45	2633.446
	18:00	2611.238
	18:15	2643.162
	18:30	2623.036
	18:45	2632.752
	19:00	2684.108
	19:15	2667.452
	19:30	2622.342
	19:45	2620.26
	20:00	2558.494
	20:15	2645.938
	20:30	2659.124
	20:45	2677.862
	21:00	2646.632

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	21:15	2622.342
	21:30	2628.588
	21:45	2675.78
	22:00	2673.004
	22:15	2608.462
	22:30	2615.402
	22:45	2600.828
	23:00	2718.114
	23:15	2614.014
	23:30	2601.522
	23:45	2614.708
2/27/2014	0:00	2607.456
	0:15	2420.076
	0:30	2613.008
	0:45	2588.024
	1:00	2497.804
	1:15	2570.674
	1:30	2663.67
	1:45	2606.762
	2:00	2615.09
	2:15	2510.99
	2:30	2562.346
	2:45	2633.828
	3:00	2549.16
	3:15	2569.98
	3:30	2561.652
	3:45	2461.022
	4:00	2583.166
	4:15	2560.958
	4:30	2511.684
	4:45	2356.922
	5:00	2610.232
	5:15	2580.39
	5:30	2561.652
	5:45	2593.576
	6:00	2585.942
	6:15	2588.718
	6:30	2569.98
	6:45	2391.622
	7:00	2591.494
	7:15	2593.576
	7:30	2519.318
	7:45	2682.408
	8:00	2631.746
	8:15	2566.51

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	8:30	2590.8
	8:45	2578.308
	9:00	2612.314
	9:15	2583.86
	9:30	2600.516
	9:45	2490.864
	10:00	2493.64
	10:15	2588.718
	10:30	2604.68
	10:45	2626.194
	11:00	2546.384
	11:15	2434.65
	11:30	2504.05
	11:45	2488.088
	12:00	2520.012
	12:15	2554.712
	12:30	2520.012
	12:45	2543.608
	13:00	2538.75
	13:15	2567.204
	13:30	2720.578
	13:45	2546.384
	14:00	2399.256
	14:15	2573.45
	14:30	2581.084
	14:45	2564.428
	15:00	2621.336
	15:15	2588.718
	15:30	2594.27
	15:45	2608.15
	16:00	2653.26
	16:15	2583.166
	16:30	2656.036
	16:45	2650.484
	17:00	2645.626
	17:15	2629.664
	17:30	2605.374
	17:45	2665.752
	18:00	2637.298
	18:15	2568.592
	18:30	2776.792
	18:45	2583.86
	19:00	2466.574
	19:15	2608.844
	19:30	2624.112

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	19:45	2672.692
	20:00	2576.226
	20:15	2643.544
	20:30	2627.582
	20:45	2616.478
	21:00	2693.512
	21:15	2622.03
	21:30	2637.992
	21:45	2632.44
	22:00	2648.402
	22:15	2643.544
	22:30	2542.22
	22:45	2645.626
	23:00	2671.998
	23:15	2765.688
	23:30	2643.544
	23:45	2632.44
2/28/2014	0:00	2647.468
	0:15	2652.326
	0:30	2582.926
	0:45	2631.506
	1:00	2658.572
	1:15	2609.992
	1:30	2646.774
	1:45	2623.178
	2:00	2625.954
	2:15	2663.43
	2:30	2607.216
	2:45	2636.364
	3:00	2642.61
	3:15	2652.326
	3:30	2650.244
	3:45	2578.068
	4:00	2700.212
	4:15	2490.624
	4:30	2631.506
	4:45	2671.758
	5:00	2805.006
	5:15	2657.878
	5:30	2673.84
	5:45	2666.206
	6:00	2660.654
	6:15	2653.02
	6:30	2612.768
	6:45	2653.02

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	7:00	2625.954
	7:15	2643.998
	7:30	2702.988
	7:45	2642.61
	8:00	2652.326
	8:15	2746.016
	8:30	2684.25
	8:45	2689.802
	9:00	2657.184
	9:15	2691.884
	9:30	2684.25
	9:45	2700.212
	10:00	2715.48
	10:15	2638.446
	10:30	2635.67
	10:45	2629.424
	11:00	2603.052
	11:15	2530.876
	11:30	2578.762
	11:45	2448.29
	12:00	2560.024
	12:15	2504.504
	12:30	2562.106
	12:45	2546.838
	13:00	2650.244
	13:15	2739.076
	13:30	2496.176
	13:45	2547.532
	14:00	2578.762
	14:15	2581.538
	14:30	2567.658
	14:45	2557.248
	15:00	2538.51
	15:15	2586.396
	15:30	2578.068
	15:45	2610.686
	16:00	2605.134
	16:15	2575.292
	16:30	2619.014
	16:45	2482.296
	17:00	2591.254
	17:15	2637.752
	17:30	2592.642
	17:45	2629.424
	18:00	2626.648

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	18:15	2634.976
	18:30	2653.714
	18:45	2730.748
	19:00	2643.304
	19:15	2600.276
	19:30	2672.452
	19:45	2585.008
	20:00	2635.67
	20:15	2598.194
	20:30	2696.742
	20:45	2592.642
	21:00	2603.746
	21:15	2787.656
	21:30	2606.522
	21:45	2636.364
	22:00	2651.632
	22:15	2485.766
	22:30	2652.326
	22:45	2612.074
	23:00	2752.956
	23:15	2622.484
	23:30	2622.484
	23:45	2643.998
3/1/2014	0:00	2676.616
	0:15	2620.402
	0:30	2612.074
	0:45	2628.73
	1:00	2617.626
	1:15	2623.178
	1:30	2659.96
	1:45	2666.206
	2:00	2609.298
	2:15	2657.184
	2:30	2646.774
	2:45	2636.364
	3:00	2633.588
	3:15	2729.36
	3:30	2641.916
	3:45	2803.618
	4:00	2687.026
	4:15	2677.31
	4:30	2675.922
	4:45	2655.102
	5:00	2646.774
	5:15	2665.512

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	5:30	2649.55
	5:45	2679.392
	6:00	2647.468
	6:15	2678.698
	6:30	2659.96
	6:45	2644.692
	7:00	2662.736
	7:15	2657.878
	7:30	2662.736
	7:45	2646.08
	8:00	2780.022
	8:15	2743.24
	8:30	2689.108
	8:45	2630.118
	9:00	2659.96
	9:15	2684.25
	9:30	2644.692
	9:45	2691.884
	10:00	2676.616
	10:15	2646.08
	10:30	2684.25
	10:45	2684.25
	11:00	2709.928
	11:15	2697.436
	11:30	2662.736
	11:45	2625.954
	12:00	2702.988
	12:15	2492.012
	12:30	2671.064
	12:45	2638.446
	13:00	2641.222
	13:15	2638.446
	13:30	2662.736
	13:45	2448.984
	14:00	2606.522
	14:15	2651.632
	14:30	2734.218
	14:45	2696.742
	15:00	2634.976
	15:15	2614.156
	15:30	2625.26
	15:45	2630.118
	16:00	2619.708
	16:15	2678.004
	16:30	2505.892

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	16:45	2686.332
	17:00	2681.474
	17:15	2689.108
	17:30	2646.08
	17:45	2648.856
	18:00	2694.66
	18:15	2736.3
	18:30	2697.436
	18:45	2691.884
	19:00	2714.092
	19:15	2748.792
	19:30	2694.66
	19:45	2697.436
	20:00	2702.988
	20:15	2718.95
	20:30	2705.764
	20:45	2689.802
	21:00	2673.84
	21:15	2732.136
	21:30	2687.72
	21:45	2700.906
	22:00	2700.212
	22:15	2689.802
	22:30	2692.578
	22:45	2659.96
	23:00	2764.754
	23:15	2841.788
	23:30	2668.288
	23:45	2677.31
3/2/2014	0:00	2645.074
	0:15	2828.984
	0:30	2677.692
	0:45	2651.32
	1:00	2751.95
	1:15	2658.954
	1:30	2642.992
	1:45	2709.616
	2:00	2677.692
	2:15	2744.316
	2:30	2706.84
	2:45	2686.02
	3:00	2675.61
	3:15	2686.02
	3:30	2661.73
	3:45	2701.288

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	4:00	2653.402
	4:15	2691.572
	4:30	2677.692
	4:45	2820.656
	5:00	2648.544
	5:15	2666.588
	5:30	2645.074
	5:45	2715.168
	6:00	2575.674
	6:15	2485.454
	6:30	2686.02
	6:45	2679.774
	7:00	2674.916
	7:15	2701.288
	7:30	2645.768
	7:45	2637.44
	8:00	2618.702
	8:15	2627.03
	8:30	2658.954
	8:45	2637.44
	9:00	2634.664
	9:15	2621.478
	9:30	2565.264
	9:45	2645.074
	10:00	2642.992
	10:15	2454.224
	10:30	2653.402
	10:45	2605.516
	11:00	2675.61
	11:15	2647.85
	11:30	2738.07
	11:45	2370.944
	12:00	2458.388
	12:15	2849.804
	12:30	2562.488
	12:45	2631.888
	13:00	2615.926
	13:15	2632.582
	13:30	2545.832
	13:45	2642.298
	14:00	2512.52
	14:15	2599.964
	14:30	2570.816
	14:45	2640.216
	15:00	2656.178

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	15:15	2695.736
	15:30	2669.364
	15:45	2645.768
	16:00	2536.81
	16:15	2672.14
	16:30	2669.364
	16:45	2637.44
	17:00	2741.54
	17:15	2740.846
	17:30	2586.778
	17:45	2661.73
	18:00	2732.518
	18:15	2650.626
	18:30	2599.964
	18:45	2620.784
	19:00	2642.298
	19:15	2618.008
	19:30	2694.348
	19:45	2663.812
	20:00	2650.626
	20:15	2674.222
	20:30	2639.522
	20:45	2615.926
	21:00	2645.074
	21:15	2634.664
	21:30	2656.178
	21:45	2626.336
	22:00	2661.73
	22:15	2618.702
	22:30	2656.178
	22:45	2624.948
	23:00	2623.56
	23:15	2756.808
	23:30	2813.716
	23:45	2720.72
3/3/2014	0:00	2649.55
	0:15	2609.298
	0:30	2793.902
	0:45	2646.774
	1:00	2639.14
	1:15	2774.47
	1:30	2780.022
	1:45	2746.016
	2:00	2787.656
	2:15	2766.836

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	2:30	2788.35
	2:45	2782.798
	3:00	2801.536
	3:15	2780.716
	3:30	2791.126
	3:45	2748.098
	4:00	2786.268
	4:15	2866.078
	4:30	2804.312
	4:45	2761.284
	5:00	2636.364
	5:15	2775.164
	5:30	2766.836
	5:45	2817.498
	6:00	2737.688
	6:15	2782.104
	6:30	2859.832
	6:45	2734.912
	7:00	2788.35
	7:15	2802.924
	7:30	2870.242
	7:45	2777.94
	8:00	2778.634
	8:15	2748.792
	8:30	2936.172
	8:45	2741.158
	9:00	2750.874
	9:15	2764.754
	9:30	2829.99
	9:45	2745.322
	10:00	2750.874
	10:15	2722.42
	10:30	2720.338
	10:45	2755.038
	11:00	2648.162
	11:15	2584.314
	11:30	2491.318
	11:45	2760.59
	12:00	2780.716
	12:15	2705.07
	12:30	2556.554
	12:45	2764.06
	13:00	2743.24
	13:15	2697.436
	13:30	2698.13

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	13:45	2697.436
	14:00	2684.944
	14:15	2730.748
	14:30	2737.688
	14:45	2746.016
	15:00	2716.174
	15:15	2730.054
	15:30	2704.376
	15:45	2750.18
	16:00	2739.77
	16:15	2792.514
	16:30	2702.294
	16:45	2730.054
	17:00	2664.818
	17:15	2769.612
	17:30	2752.956
	17:45	2727.278
	18:00	2748.792
	18:15	2780.022
	18:30	2734.218
	18:45	2758.508
	19:00	2784.88
	19:15	2741.852
	19:30	2732.136
	19:45	2754.344
	20:00	2772.388
	20:15	2744.628
	20:30	2803.618
	20:45	2744.628
	21:00	2734.218
	21:15	2701.6
	21:30	2822.356
	21:45	2747.404
	22:00	2725.196
	22:15	2721.032
	22:30	2760.59
	22:45	2739.076
	23:00	2749.486
	23:15	2702.294
	23:30	2734.218
	23:45	2750.18
3/4/2014	0:00	2754.032
	0:15	2731.13
	0:30	2585.39
	0:45	2756.114

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	1:00	2732.518
	1:15	2734.6
	1:30	2750.562
	1:45	2751.256
	2:00	2726.272
	2:15	2931.696
	2:30	2729.048
	2:45	2618.702
	3:00	2602.046
	3:15	2769.994
	3:30	2763.748
	3:45	2753.338
	4:00	2737.376
	4:15	2745.704
	4:30	2753.338
	4:45	2753.338
	5:00	2761.666
	5:15	2815.104
	5:30	2785.262
	5:45	2681.162
	6:00	2737.376
	6:15	2721.414
	6:30	2751.256
	6:45	2777.628
	7:00	2673.528
	7:15	2721.414
	7:30	2758.89
	7:45	2681.856
	8:00	2824.126
	8:15	2713.78
	8:30	2690.184
	8:45	2754.032
	9:00	2727.66
	9:15	2804
	9:30	2761.666
	9:45	2719.332
	10:00	2697.818
	10:15	2756.808
	10:30	2793.59
	10:45	2788.038
	11:00	2695.736
	11:15	2711.004
	11:30	2892.138
	11:45	2633.97
	12:00	2686.714

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	12:15	2674.916
	12:30	2692.266
	12:45	2588.86
	13:00	2682.55
	13:15	2740.152
	13:30	2662.424
	13:45	2758.196
	14:00	2738.07
	14:15	2742.928
	14:30	2760.972
	14:45	2734.6
	15:00	2750.562
	15:15	2558.324
	15:30	2780.404
	15:45	2785.262
	16:00	2777.628
	16:15	2761.666
	16:30	2777.628
	16:45	2766.524
	17:00	2774.852
	17:15	2787.344
	17:30	2801.224
	17:45	2774.158
	18:00	2629.806
	18:15	2801.224
	18:30	2798.448
	18:45	2839.394
	19:00	2808.858
	19:15	2749.868
	19:30	2827.596
	19:45	2772.77
	20:00	2815.104
	20:15	2761.666
	20:30	2793.59
	20:45	2804
	21:00	2755.42
	21:15	2804
	21:30	2810.246
	21:45	2772.076
	22:00	2745.01
	22:15	2804.694
	22:30	2774.852
	22:45	2766.524
	23:00	2817.186
	23:15	2843.558

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	23:30	2774.852
	23:45	2658.26
3/5/2014	0:00	2790.12
	0:15	2780.404
	0:30	2795.672
	0:45	2831.76
	1:00	2788.038
	1:15	2792.896
	1:30	2819.962
	1:45	2774.852
	2:00	2833.842
	2:15	2780.404
	2:30	2772.076
	2:45	2772.076
	3:00	2770.688
	3:15	2742.928
	3:30	2804
	3:45	2769.994
	4:00	2795.672
	4:15	2747.786
	4:30	2822.738
	4:45	2801.224
	5:00	2788.732
	5:15	2795.672
	5:30	2692.96
	5:45	2835.924
	6:00	2758.196
	6:15	2769.3
	6:30	2809.552
	6:45	2804
	7:00	2758.89
	7:15	2808.858
	7:30	2784.568
	7:45	2769.3
	8:00	2638.828
	8:15	2706.146
	8:30	2792.896
	8:45	2816.492
	9:00	2811.634
	9:15	2817.186
	9:30	2808.858
	9:45	2828.29
	10:00	2826.208
	10:15	2808.858
	10:30	2808.858

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	10:45	2871.318
	11:00	2820.656
	11:15	2804
	11:30	2585.39
	11:45	2752.644
	12:00	2756.114
	12:15	2817.186
	12:30	2755.42
	12:45	2804
	13:00	2800.53
	13:15	2769.3
	13:30	2774.158
	13:45	2792.896
	14:00	2788.038
	14:15	2788.732
	14:30	2824.82
	14:45	2802.612
	15:00	2819.268
	15:15	2785.262
	15:30	2790.12
	15:45	2795.672
	16:00	2790.814
	16:15	2806.082
	16:30	2865.072
	16:45	2841.476
	17:00	2846.334
	17:15	2830.372
	17:30	2851.192
	17:45	2999.014
	18:00	2824.82
	18:15	2840.782
	18:30	2811.634
	18:45	2713.086
	19:00	2847.028
	19:15	2849.11
	19:30	2725.578
	19:45	2835.23
	20:00	2856.05
	20:15	2871.318
	20:30	2969.172
	20:45	2828.984
	21:00	2841.476
	21:15	2633.276
	21:30	2824.82
	21:45	2835.23

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	22:00	2844.946
	22:15	2852.58
	22:30	2810.246
	22:45	2858.826
	23:00	2826.902
	23:15	2810.94
	23:30	2780.404
	23:45	2823.432
3/6/2014	0:00	2865.766
	0:15	2847.722
	0:30	2896.302
	0:45	2709.616
	1:00	2798.448
	1:15	2821.35
	1:30	2869.236
	1:45	2831.066
	2:00	2901.854
	2:15	2853.274
	2:30	2824.126
	2:45	2831.76
	3:00	2824.126
	3:15	2837.312
	3:30	2813.716
	3:45	2823.432
	4:00	2848.416
	4:15	2842.864
	4:30	2903.936
	4:45	2826.208
	5:00	2850.498
	5:15	2872.706
	5:30	2845.64
	5:45	2810.246
	6:00	2856.05
	6:15	2842.864
	6:30	2741.54
	6:45	2831.76
	7:00	2892.832
	7:15	2831.76
	7:30	2831.76
	7:45	2838.006
	8:00	2769.994
	8:15	2834.536
	8:30	2826.902
	8:45	2794.284
	9:00	2806.082

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	9:15	2794.978
	9:30	2779.016
	9:45	2808.858
	10:00	2877.564
	10:15	2800.53
	10:30	2792.202
	10:45	2762.36
	11:00	2767.912
	11:15	2888.668
	11:30	2789.426
	11:45	2720.72
	12:00	2666.588
	12:15	2688.102
	12:30	2706.146
	12:45	2717.25
	13:00	2759.584
	13:15	2746.398
	13:30	2730.436
	13:45	2722.108
	14:00	2708.922
	14:15	2749.174
	14:30	2743.622
	14:45	2727.66
	15:00	2785.956
	15:15	2722.108
	15:30	2797.06
	15:45	2772.77
	16:00	2767.912
	16:15	2781.098
	16:30	2789.426
	16:45	2774.852
	17:00	2831.76
	17:15	2802.612
	17:30	2797.06
	17:45	2826.208
	18:00	2788.732
	18:15	2788.732
	18:30	2844.946
	18:45	2876.87
	19:00	2853.274
	19:15	2733.212
	19:30	2837.312
	19:45	2858.132
	20:00	2853.274
	20:15	2776.24

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	20:30	2831.066
	20:45	2826.902
	21:00	2853.968
	21:15	2826.208
	21:30	2880.34
	21:45	2874.788
	22:00	2869.236
	22:15	2797.754
	22:30	2828.984
	22:45	2867.154
	23:00	2832.454
	23:15	2866.46
	23:30	2663.812
	23:45	2838.006
3/7/2014	0:00	2913.27
	0:15	3034.026
	0:30	2900.778
	0:45	2860.526
	1:00	2801.536
	1:15	2937.56
	1:30	2868.16
	1:45	2753.65
	2:00	2806.394
	2:15	2841.788
	2:30	2867.466
	2:45	2823.05
	3:00	2839.012
	3:15	2863.302
	3:30	2889.674
	3:45	2846.646
	4:00	2817.498
	4:15	2863.302
	4:30	2775.164
	4:45	2865.384
	5:00	2876.488
	5:15	2879.264
	5:30	2865.384
	5:45	2894.532
	6:00	2841.788
	6:15	2865.384
	6:30	2804.312
	6:45	2868.16
	7:00	2863.302
	7:15	2734.912
	7:30	2849.422

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	7:45	2714.092
	8:00	2815.416
	8:15	2862.608
	8:30	2871.63
	8:45	2839.012
	9:00	2886.898
	9:15	2905.636
	9:30	2943.112
	9:45	2961.85
	10:00	2854.974
	10:15	2863.302
	10:30	2993.08
	10:45	2798.76
	11:00	2837.624
	11:15	2734.218
	11:30	2750.18
	11:45	2768.918
	12:00	2736.994
	12:15	2816.804
	12:30	2675.228
	12:45	2816.804
	13:00	2800.842
	13:15	2824.438
	13:30	2803.618
	13:45	2814.028
	14:00	2773.776
	14:15	2792.514
	14:30	2797.372
	14:45	2686.332
	15:00	2902.166
	15:15	2792.514
	15:30	2824.438
	15:45	2696.048
	16:00	2818.886
	16:15	2816.11
	16:30	3050.682
	16:45	2834.848
	17:00	2813.334
	17:15	2850.81
	17:30	2783.492
	17:45	2827.214
	18:00	2550.308
	18:15	2870.242
	18:30	2838.318
	18:45	2826.52

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	19:00	2865.384
	19:15	2816.804
	19:30	2843.87
	19:45	2787.656
	20:00	2833.46
	20:15	2801.536
	20:30	2755.732
	20:45	2667.594
	21:00	2902.166
	21:15	2832.766
	21:30	2873.018
	21:45	2867.466
	22:00	2853.586
	22:15	2843.87
	22:30	2862.608
	22:45	2910.494
	23:00	2782.798
	23:15	2862.608
	23:30	2873.712
	23:45	2857.056
3/8/2014	0:00	2803.618
	0:15	2902.86
	0:30	2849.422
	0:45	2867.466
	1:00	2886.204
	1:15	2892.45
	1:30	2881.346
	1:45	2870.936
	2:00	2868.16
	2:15	2870.936
	2:30	2857.056
	2:45	2870.242
	3:00	2736.994
	3:15	3006.96
	3:30	2878.57
	3:45	2851.504
	4:00	2873.712
	4:15	2846.646
	4:30	2876.488
	4:45	2727.278
	5:00	2796.678
	5:15	2868.854
	5:30	2713.398
	5:45	2846.646
	6:00	2882.04

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	6:15	2854.974
	6:30	2966.708
	6:45	2847.34
	7:00	2866.078
	7:15	2859.832
	7:30	2870.936
	7:45	2868.16
	8:00	2865.384
	8:15	2817.498
	8:30	2876.488
	8:45	2863.302
	9:00	2874.406
	9:15	2878.57
	9:30	2857.75
	9:45	2882.04
	10:00	2852.198
	10:15	2866.078
	10:30	2825.826
	10:45	2956.992
	11:00	2847.34
	11:15	2877.182
	11:30	2754.344
	11:45	2836.236
	12:00	2873.712
	12:15	2874.406
	12:30	2863.302
	12:45	2812.64
	13:00	2884.122
	13:15	2839.012
	13:30	2867.466
	13:45	2873.712
	14:00	2884.122
	14:15	2882.04
	14:30	2814.722
	14:45	2693.272
	15:00	2886.898
	15:15	2849.422
	15:30	2882.04
	15:45	3123.552
	16:00	2805.006
	16:15	2911.188
	16:30	2900.084
	16:45	2895.226
	17:00	2893.144
	17:15	2923.68

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	17:30	2849.422
	17:45	2888.98
	18:00	2870.936
	18:15	2893.144
	18:30	2863.302
	18:45	2859.832
	19:00	2878.57
	19:15	2925.068
	19:30	2829.296
	19:45	2716.868
	20:00	2893.144
	20:15	2892.45
	20:30	2863.302
	20:45	2932.702
	21:00	2870.936
	21:15	2904.942
	21:30	2876.488
	21:45	2902.86
	22:00	2894.532
	22:15	2868.16
	22:30	2828.602
	22:45	2881.346
	23:00	2860.526
	23:15	2913.964
	23:30	2940.336
	23:45	2931.314
3/9/2014	0:00	2922.674
	0:15	2725.578
	0:30	2931.002
	0:45	2911.57
	1:00	2896.302
	1:15	2880.34
	1:30	2899.078
	1:45	2909.488
	2:00	2899.078
	2:15	2877.564
	2:30	2898.384
	2:45	2909.488
	3:00	2901.16
	3:15	2907.406
	3:30	2901.854
	3:45	2899.078
	4:00	2818.574
	4:15	2881.034
	4:30	2938.636

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	4:45	2927.532
	5:00	2893.526
	5:15	2887.974
	5:30	3045.512
	5:45	2909.488
	6:00	2749.868
	6:15	2907.406
	6:30	2899.078
	6:45	3013.588
	7:00	2942.8
	7:15	3003.178
	7:30	2895.608
	7:45	2872.706
	8:00	2917.816
	8:15	2869.236
	8:30	2927.532
	8:45	2880.34
	9:00	2903.936
	9:15	2872.012
	9:30	2885.198
	9:45	2845.64
	10:00	2941.412
	10:15	2901.16
	10:30	2863.684
	10:45	2867.154
	11:00	2907.406
	11:15	2826.902
	11:30	2684.632
	11:45	2797.06
	12:00	2823.432
	12:15	2831.76
	12:30	2842.17
	12:45	2841.476
	13:00	2876.176
	13:15	2831.066
	13:30	2831.066
	13:45	2831.066
	14:00	2831.066
	14:15	2831.066
	14:30	2857.438
	14:45	2849.804
	15:00	2812.328
	15:15	2862.99
	15:30	2876.87
	15:45	2844.946

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	16:00	2849.804
	16:15	2910.876
	16:30	2867.848
	16:45	2899.772
	17:00	2854.662
	17:15	2910.876
	17:30	2903.242
	17:45	2863.684
	18:00	2874.094
	18:15	2841.476
	18:30	2831.066
	18:45	2857.438
	19:00	2868.542
	19:15	2918.51
	19:30	2860.214
	19:45	2900.466
	20:00	2887.28
	20:15	2759.584
	20:30	3004.566
	20:45	2903.242
	21:00	2898.384
	21:15	2879.646
	21:30	2941.412
	21:45	2927.532
	22:00	2892.832
	22:15	2930.308
	22:30	2908.794
	22:45	2890.056
	23:00	2921.98
	23:15	2892.832
	23:30	2892.832
	23:45	2938.636
3/10/2014	0:00	2841.476
	0:15	2914.346
	0:30	2906.712
	0:45	2924.062
	1:00	2957.374
	1:15	2901.16
	1:30	2901.854
	1:45	2906.018
	2:00	2978.888
	2:15	2938.636
	2:30	2892.832
	2:45	2906.712
	3:00	2935.86

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	3:15	2741.54
	3:30	2900.466
	3:45	2895.608
	4:00	2688.102
	4:15	2896.302
	4:30	2887.28
	4:45	2897.69
	5:00	2893.526
	5:15	3018.446
	5:30	2903.936
	5:45	2823.432
	6:00	2842.17
	6:15	2866.46
	6:30	2883.81
	6:45	2985.828
	7:00	2863.684
	7:15	2883.116
	7:30	2931.002
	7:45	2813.716
	8:00	2908.794
	8:15	2853.274
	8:30	2866.46
	8:45	2887.974
	9:00	2852.58
	9:15	2885.198
	9:30	2791.508
	9:45	2897.69
	10:00	2665.894
	10:15	2854.662
	10:30	2956.68
	10:45	2891.444
	11:00	3051.758
	11:15	2899.772
	11:30	2857.438
	11:45	2876.176
	12:00	2832.454
	12:15	2804
	12:30	2792.202
	12:45	2798.448
	13:00	2756.114
	13:15	2811.634
	13:30	2814.41
	13:45	2840.088
	14:00	2827.596
	14:15	2991.38

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	14:30	2838.006
	14:45	2937.248
	15:00	2849.11
	15:15	2824.82
	15:30	2717.944
	15:45	2885.892
	16:00	2814.41
	16:15	2822.044
	16:30	2843.558
	16:45	2899.078
	17:00	2857.438
	17:15	2838.7
	17:30	2827.596
	17:45	2880.34
	18:00	2834.536
	18:15	2798.448
	18:30	2864.378
	18:45	2827.596
	19:00	2980.276
	19:15	2824.82
	19:30	2724.884
	19:45	2883.81
	20:00	2862.296
	20:15	2867.848
	20:30	2804
	20:45	2865.072
	21:00	2865.766
	21:15	2721.414
	21:30	2825.514
	21:45	2831.066
	22:00	2908.794
	22:15	2887.28
	22:30	2812.328
	22:45	2873.4
	23:00	2860.214
	23:15	2833.148
	23:30	2716.556
	23:45	2862.296
3/11/2014	0:00	2870.242
	0:15	2849.422
	0:30	2795.984
	0:45	2875.1
	1:00	2864.69
	1:15	2814.028
	1:30	2842.482

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

15 minute data

	1:45	2827.908
	2:00	2827.214
	2:15	2838.318
	2:30	2835.542
	2:45	2862.608
	3:00	2818.886
	3:15	2846.646
	3:30	2822.356
	3:45	2852.198
	4:00	2861.914
	4:15	2832.766
	4:30	2849.422
	4:45	2793.208
	5:00	2846.646
	5:15	2841.094
	5:30	2830.684
	5:45	2711.316
	6:00	2846.646
	6:15	2857.75
	6:30	2872.324
	6:45	2848.728
	7:00	2858.444
	7:15	2867.466
	7:30	2838.318
	7:45	2859.832
	8:00	2865.384
	8:15	2854.28
	8:30	2851.504
	8:45	2729.36
	9:00	2852.198
	9:15	2848.728
	9:30	2914.658
	9:45	2818.886
	10:00	2808.476
	10:15	2883.428
	10:30	2834.848
	10:45	2816.11
	11:00	2824.438
	11:15	2858.444
	11:30	2834.848
	11:45	2832.072

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	MLSS
1:00	0.75
3:00	0.72
5:00	1.2
7:00	1.1
9:00	1
11:00	1.1
13:00	1
15:00	1
17:00	1
19:00	1
21:00	0.5
23:00	0.62
1:00	1.3
3:00	1.2
5:00	1.2
7:00	1.4
9:00	0.81
11:00	0.87
13:00	0.9
15:00	1
17:00	1
19:00	1
21:00	1.2
23:00	1.1
1:00	1.5
3:00	1.2
5:00	1
7:00	1.1
9:00	0.74
11:00	0.63
13:00	0.89
15:00	0.9
17:00	0.87
19:00	1.3
21:00	1.6
23:00	1.9
1:00	1.5
3:00	1.5
5:00	1.8
7:00	1.7
9:00	1.8

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	MLSS
11:00	1.4
13:00	1.1
15:00	1.5
17:00	1.8
19:00	1.8
21:00	1.4
23:00	1.7
1:00	1
3:00	0.98
5:00	0.75
7:00	0.81
9:00	0.62
11:00	0.69
13:00	0.72
15:00	1.4
17:00	0.76
19:00	1.2
21:00	1
23:00	1.1
1:00	1.1
3:00	1.9
5:00	1.6
7:00	1.4
9:00	1.3
11:00	1.1
13:00	0.92
15:00	0.67
17:00	0.73
19:00	0.87
21:00	0.83
23:00	1
1:00	0.6
3:00	1
5:00	1.4
7:00	1.3
9:00	1.9
11:00	2.4
13:00	3
15:00	
17:00	2.3
19:00	2.1

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	PH
21:00	1.5
23:00	1.7
1:00	1.3
3:00	1.2
5:00	1.2
7:00	1.2
9:00	0.89
11:00	1.1
13:00	1.2
15:00	1.1
17:00	1.1
19:00	1
21:00	1.1
23:00	1.2
1:00	1.2
3:00	1.3
5:00	1.4
7:00	1.4
9:00	1.4
11:00	1.6
13:00	1.5
15:00	1.3
17:00	1.4
19:00	1.5
21:00	1.5
23:00	1.4
1:00	1.2
3:00	1.4
5:00	1.6
7:00	1.4
9:00	1.6
11:00	1.8
13:00	1.5
15:00	1.1
17:00	1.3
19:00	1.6
21:00	1.4
23:00	1.5
1:00	0.94
3:00	0.95
5:00	1.1

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	PH
7:00	
9:00	1.2
11:00	1.3
13:00	1.1
15:00	0.96
17:00	1
19:00	1.2
21:00	1.2
23:00	1.1
1:00	0.92
3:00	0.9
5:00	0.93
7:00	0.96
9:00	0.9
11:00	0.88
13:00	1.4
15:00	1.1
17:00	1
19:00	1.2
21:00	1.6
23:00	
1:00	0.92
3:00	0.9
5:00	1
7:00	1.1
9:00	1.2
11:00	1.4
13:00	1.5
15:00	1.3
17:00	1.4
19:00	1.3
21:00	1.5
23:00	1.4
1:00	0.56
3:00	0.58
5:00	0.89
7:00	0.87
9:00	0.62
11:00	0.68
13:00	0.63
15:00	0.65

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	MLSS
17:00	0.71
19:00	0.83
21:00	0.95
23:00	0.89
1:00	0.42
3:00	0.48
5:00	0.53
7:00	0.5
9:00	0.42
11:00	0.51
13:00	0.64
15:00	
17:00	0.61
19:00	0.63
21:00	0.6
23:00	
1:00	0.39
3:00	0.42
5:00	0.48
7:00	0.46
9:00	0.52
11:00	0.6
13:00	0.49
15:00	0.57
17:00	0.51
19:00	0.52
21:00	0.56
23:00	0.65
1:00	0.68
3:00	
5:00	0.79
7:00	
9:00	0.94
11:00	
13:00	0.6
15:00	
17:00	0.78
19:00	1.2
21:00	1.1
23:00	1.1
1:00	0.53

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	TPZ
3:00	0.59
5:00	0.63
7:00	0.64
9:00	0.72
11:00	0.87
13:00	0.72
15:00	0.64
17:00	0.73
19:00	0.67
21:00	0.91
23:00	0.86
1:00	0.41
3:00	0.46
5:00	0.5
7:00	0.42
9:00	0.62
11:00	0.51
13:00	0.61
15:00	0.63
17:00	0.64
19:00	0.59
21:00	0.67
23:00	0.6
1:00	0.63
3:00	0.7
5:00	0.83
7:00	0.58
9:00	0.52
11:00	0.79
13:00	0.67
15:00	0.72
17:00	0.68
19:00	0.73
21:00	0.79
23:00	0.67
1:00	0.45
3:00	0.88
5:00	0.61
7:00	0.67
9:00	0.46
11:00	0.41

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	MLSS
13:00	0.36
15:00	0.39
17:00	0.42
19:00	0.6
21:00	0.71
23:00	0.63
1:00	1.9
3:00	3
5:00	2.8
7:00	2.9
9:00	2.6
11:00	3
13:00	1.9
15:00	2.4
17:00	1.8
19:00	1.9
21:00	1.8
23:00	1.8
1:00	1.6
3:00	1.5
5:00	1.5
7:00	1.5
9:00	1.5
11:00	1.6
13:00	1.5
15:00	2.2
17:00	1.8
19:00	1.7
21:00	1.8
23:00	1.7
1:00	1.1
3:00	1.3
5:00	1.4
7:00	1.6
9:00	1.7
11:00	1.8
13:00	1.6
15:00	1.4
17:00	1.6
19:00	1.7
21:00	2.1

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	MLSS
23:00	1.9
1:00	1.2
3:00	1.2
5:00	1.1
7:00	1
9:00	1.6
11:00	1.6
13:00	1.7
15:00	2
17:00	1.6
19:00	1.5
21:00	1.8
23:00	1.9
1:00	1.4
3:00	1.4
5:00	1.5
7:00	1.4
9:00	1.4
11:00	1.2
13:00	1.3
15:00	1.2
17:00	1.4
19:00	1.9
21:00	1.9
23:00	1.8
1:00	1.9
3:00	2.1
5:00	2.5
7:00	2
9:00	1.5
11:00	1.3
13:00	1.4
15:00	1.5
17:00	1.6
19:00	1.8
21:00	2.3
23:00	2.5
1:00	1.6
3:00	2.2
5:00	2
7:00	2.1

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

2 hour data

	TCEQ-32J
Time	TPZ
9:00	2
11:00	2.5
13:00	3
15:00	5.9
17:00	5.6
19:00	5.3
21:00	5.4
23:00	5.4
1:00	3.1
3:00	5.2
5:00	2.1
7:00	4.7
9:00	3.6
11:00	9.2
13:00	8.1
15:00	7.9
17:00	2.4
19:00	2.3
21:00	2.9
23:00	2.8
1:00	3.8
3:00	4.9
5:00	2.6
7:00	4.1
9:00	4.1
11:00	3.6
13:00	3.7
15:00	3.9
17:00	2.3
19:00	2.6
21:00	2.5
23:00	2.7
1:00	3.1
3:00	2.9
5:00	2.9
7:00	2.8
9:00	3.2
11:00	3.5
13:00	4.1
15:00	4.4
17:00	4.4

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

Daily data

Date	TCEQ-32J					
	GPD Cationic Polymer	PPD Lime	Daily Max Flow Rate (gpm)	Calc. hydraulic det. Time (min.)	Calc. surface overflow rate (gpm/sf)	Max Settled NTU
1/27/2014	16	3884	2919	338	0.49	1.2
1/28/2014	16	3229	2966	315	0.49	3
1/29/2014	16	3552	3929	236	0.65	1.9
1/30/2014	16	3431	2768	335	0.46	1.8
1/31/2014	16	3555	2639	351	0.44	1.4
2/1/2014	16	3569	2792	332	0.46	1.9
2/2/2014	16	3234	2759	336	0.46	3
2/3/2014	16	3548	2764	335	0.46	1.3
2/4/2014	16	3247	2829	328	0.47	1.6
2/5/2014	16	3553	2749	337	0.46	1.8
2/6/2014	16	3229	2792	332	0.46	1.3
2/7/2014	16	3393	2964	313	0.49	1.6
2/8/2014	16	3197	2934	316	0.49	1.5
2/9/2014	16	3552	2887	321	0.48	0.95
2/10/2014	16	3232	2912	318	0.48	0.64
2/11/2014	16	3681	2903	319	0.48	0.65
2/12/2014	16	4523	2904	319	0.48	1.2
2/13/2014	16	3554	2918	318	0.48	0.91
2/14/2014	16	3060	3106	298	0.52	0.67
2/15/2014	16	3554	3088	300	0.51	0.83
2/16/2014	16	3223	3097	299	0.51	0.88
2/17/2014	16	3555	3033	305	0.51	3
2/18/2014	16	3552	2911	318	0.48	2.2
2/19/2014	16	3229	2885	321	0.48	2.1
2/20/2014	16	3228	2938	315	0.49	2
2/21/2014	16	3212	2798	331	0.47	1.9
2/22/2014	16	3236	2943	315	0.49	2.5
2/23/2014	16	2905	2910	318	0.48	5.9
2/24/2014	16	3240	2841	326	0.47	9.2
2/25/2014	16	2905	2912	318	0.48	4.9
2/26/2014	16	3113	2851	325	0.47	4.9
2/27/2014	16	3232	2777	334	0.46	3.5

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

Daily data

	TCEQ-32J					
Date	GPD Cationic Polymer	PPD Lime	Daily Max Flow Rate (gpm)	Calc. hydraulic det. Time (min.)	Calc. surface overflow rate (gpm/sf)	Max Settled NTU
2/28/2014	16	2907	2805	330	0.47	1.4
3/1/2014	16	3218	2842	326	0.47	1.2
3/2/2014	16	2913	2850	325	0.47	3.5
3/3/2014	16	4198	2936	316	0.49	3.6
3/4/2014	16	2885	2932	316	0.49	3.1
3/5/2014	16	3231	2999	309	0.5	3.5
3/6/2014	16	2910	2904	319	0.48	1.9
3/7/2014	16	3159	3051	304	0.51	1.1
3/8/2014	16	3234	3124	297	0.52	1.6
3/9/2014	16	2903	3046	304	0.51	2.2
3/10/2014	16	4199	3052	304	0.51	2.9
3/11/2014	8	1939	2915	318	0.48	1.9

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

Weekly data

	Date	TCEQ-32J		
		TOC	DOC on-site	DOC off-site
Week 1	1/27/2014			
	1/28/2014			
	1/29/2014	3.34	3.73	3.27
	1/30/2014			
	1/31/2014			
	2/1/2014			
	2/2/2014			
Week 2	2/3/2014	3.51	3.06	3.32
	2/4/2014			
	2/5/2014			
	2/6/2014			
	2/7/2014			
	2/8/2014			
	2/9/2014			
Week 3	2/10/2014	4.07	2.85	3.78
	2/11/2014			
	2/12/2014			
	2/13/2014			
	2/14/2014			
	2/15/2014			
	2/16/2014			
Week 4	2/17/2014	3.99	3.68	3.45
	2/18/2014			
	2/19/2014			
	2/20/2014			
	2/21/2014			
	2/22/2014			
	2/23/2014			
Week 5	2/24/2014	4.09	3.71	3.8
	2/25/2014			
	2/26/2014	4.17	3.58	
	2/27/2014			
	2/28/2014			
	3/1/2014			
	3/2/2014			
Week 6	3/3/2014			4.32
	3/4/2014			
	3/5/2014			
	3/6/2014			

TCEQ-32J: Conventional 2010 SWTP Flocculation and Clarification

(Accelerator solids-contact flocculation and clarification)

Weekly data

		TCEQ-32J		
		Date	TOC	DOC on-site DOC off-site
		3/7/2014	4.36	4.06
		3/8/2014		
		3/9/2014		
Week 7		3/10/2014	4.96	4.54 4.73
		3/11/2014	4.64	4.42

TCEQ 32J Offsite Laboratory Data Summary

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 19J-RO Reject

PWS ID: TX2430001

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7429-90-5	Aluminum	200.8	50 ^	2.0	12	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-36-0	Antimony	200.8	6 *	1.0	2.7	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-38-2	Arsenic	200.8	10 *	1.0	9.0	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-39-3	Barium	200.8	2000 *	2.0	88	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-47-3	Chromium	200.8	100 *	0.9	1.8	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-50-8	Copper	200.8	1300 !	1.0	13	ug/L	02/07/14 14:30	02/11/14 12:24	2967450
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7439-96-5	Manganese	200.8	50 ^	2.0	220	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-02-0	Nickel	200.8	---	1.0	22	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7782-49-2	Selenium	200.8	50 *	2.0	16	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	02/07/14 14:30	02/11/14 12:24	2967450
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7440-66-6	Zinc	200.8	5000 ^	5.0	100	ug/L	02/07/14 14:30	02/10/14 16:49	2967450
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	02/07/14 09:05	02/07/14 14:00	2967450

Sampling Point: TCEQ 22J-Lagoon 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	< 0.500	mg/L	02/05/14 17:15	02/06/14 22:42	2967451

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

Sampling Point: TCEQ 32J-2010 Clarifier Eff.

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	3.32	mg/L	02/05/14 17:15	02/06/14 22:52	2967452

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

Client Name: City of Wichita Falls

Report #: 311351

Sampling Point: 19J-RO Reject

PWS ID: TX2430001

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7429-90-5	Aluminum	200.8	50 ^	2.0	12	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-36-0	Antimony	200.8	6 *	1.0	2.6	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-38-2	Arsenic	200.8	10 *	1.0	5.6	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-39-3	Barium	200.8	2000 *	2.0	82	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-47-3	Chromium	200.8	100 *	0.9	2.0	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-50-8	Copper	200.8	1300 !	1.0	17	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7439-96-5	Manganese	200.8	50 ^	2.0	300	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-02-0	Nickel	200.8	---	1.0	21	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7782-49-2	Selenium	200.8	50 *	2.0	8.6	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7440-66-6	Zinc	200.8	5000 ^	5.0	80	ug/L	02/13/14 12:30	02/14/14 14:57	2970388
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	02/13/14 09:40	02/13/14 14:37	2970388

Sampling Point: 22J-Lagoon 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	< 0.500	mg/L	02/11/14 16:30	02/13/14 14:27	2970389

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

Sampling Point: 32J-2010 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	3.78	mg/L	02/11/14 16:30	02/13/14 13:39	2970390

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

Client Name: City of Wichita Falls

Report #: 311986

Sampling Point: TCEQ 19J-RO Reject

PWS ID: TX2430001

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7429-90-5	Aluminum	200.8	50 ^	2.0	12	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-36-0	Antimony	200.8	6 *	1.0	3.0	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-38-2	Arsenic	200.8	10 *	1.0	6.3	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-39-3	Barium	200.8	2000 *	2.0	99	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-47-3	Chromium	200.8	100 *	0.9	1.6	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-50-8	Copper	200.8	1300 !	1.0	13	ug/L	02/24/14 16:00	02/25/14 20:14	2975615
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7439-96-5	Manganese	200.8	50 ^	2.0	310	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-02-0	Nickel	200.8	---	1.0	23	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7782-49-2	Selenium	200.8	50 *	2.0	8.1	ug/L	02/24/14 16:00	02/25/14 20:14	2975615
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7440-66-6	Zinc	200.8	5000 ^	5.0	100	ug/L	02/24/14 16:00	02/25/14 16:49	2975615
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	02/24/14 11:48	02/24/14 16:30	2975615

Sampling Point: TCEQ 22J-Lagoon 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	< 0.500	mg/L	02/18/14 16:30	02/26/14 15:24	2975616

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

Sampling Point: TCEQ 32J-2010ClarifierEffluent

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	3.45	mg/L	02/18/14 16:30	02/26/14 15:34	2975617

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

Client Name: City of Wichita Falls

Report #: 312458

Sampling Point: TCEQ 19J-RO Reject

PWS ID: TX2430001

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7429-90-5	Aluminum	200.8	50 ^	2.0	13	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-36-0	Antimony	200.8	6 *	1.0	3.2	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-38-2	Arsenic	200.8	10 *	1.0	6.9	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-39-3	Barium	200.8	2000 *	2.0	94	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-47-3	Chromium	200.8	100 *	0.9	2.6	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-50-8	Copper	200.8	1300 !	1.0	13	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7439-96-5	Manganese	200.8	50 ^	2.0	300	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-02-0	Nickel	200.8	---	1.0	26	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7782-49-2	Selenium	200.8	50 *	2.0	18	ug/L	03/03/14 10:15	03/04/14 19:52	2979779
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7440-66-6	Zinc	200.8	5000 ^	5.0	97	ug/L	03/03/14 10:15	03/04/14 13:45	2979779
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	03/03/14 10:12	03/03/14 15:29	2979779

Sampling Point: TCEQ 22J-Lagoon 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	< 0.500	mg/L	02/25/14 17:00	03/05/14 19:28	2979780

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

Sampling Point: TCEQ 32J-2010ClarifierEffluent

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	3.80	mg/L	02/25/14 17:00	03/05/14 19:08	2979781

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

Client Name: City of Wichita Falls

Report #: 312921

Sampling Point: TCEQ 19J-RO Reject

PWS ID: TX2430001

Metals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
7429-90-5	Aluminum	200.8	50 ^	2.0	22	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-36-0	Antimony	200.8	6 *	1.0	3.5	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-38-2	Arsenic	200.8	10 *	1.0	7.3	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-39-3	Barium	200.8	2000 *	2.0	70	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-41-7	Beryllium	200.8	4 *	0.3	< 0.3	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-43-9	Cadmium	200.8	5 *	1.0	< 1.0	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-47-3	Chromium	200.8	100 *	0.9	3.2	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-50-8	Copper	200.8	1300 !	1.0	26	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7439-92-1	Lead	200.8	15 !	1.0	< 1.0	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7439-96-5	Manganese	200.8	50 ^	2.0	300	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-02-0	Nickel	200.8	---	1.0	30	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7782-49-2	Selenium	200.8	50 *	2.0	6.7	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-22-4	Silver	200.8	100 ^	2.0	< 2.0	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-28-0	Thallium	200.8	2 *	0.3	< 0.3	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7440-66-6	Zinc	200.8	5000 ^	5.0	120	ug/L	03/09/14 14:00	03/10/14 16:02	2984297
7439-97-6	Mercury	245.1	2 *	0.1	< 0.1	ug/L	03/05/14 10:54	03/05/14 15:22	2984297

Sampling Point: TCEQ 22J-Lagoon 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	< 0.500	mg/L	03/04/14 18:00	03/07/14 19:11	2984298

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

Sampling Point: TCEQ 32J-2010ClarifierEffluent

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	4.32	mg/L	03/04/14 18:00	03/07/14 19:22	2984299

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

Client Name: City of Wichita Falls

Report #: 313344

Sampling Point: TCEQ 32J-2010ClarifierEffluent

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	4.73	mg/L	03/11/14 17:30	03/12/14 22:14	2988249

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

Sampling Point: TCEQ 40J-Clearwell Effluent

PWS ID: TX2430001

General Chemistry									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
15541-45-4	Bromate	317.0	10 *	1.0	< 1.0	ug/L	---	03/13/14 21:43	2988252

Disinfection Byproducts									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	UL ID #
75-27-4	Bromodichloromethane	524.2	---	0.5	3.9	ug/L	---	03/12/14 01:01	2988250
75-25-2	Bromoform	524.2	---	0.5	5.6	ug/L	---	03/12/14 01:01	2988250
67-66-3	Chloroform	524.2	---	0.5	1.3	ug/L	---	03/12/14 01:01	2988250
124-48-1	Dibromochloromethane	524.2	---	0.5	5.7	ug/L	---	03/12/14 01:01	2988250
---	Total Trihalomethanes	524.2	80 *	0.5	16.5	ug/L	---	03/12/14 01:01	2988250
631-64-1	Dibromoacetic acid	552.2	---	1.0	7.0	ug/L	03/14/14 08:30	03/14/14 22:46	2988251
79-43-6	Dichloroacetic acid	552.2	---	1.0	3.0	ug/L	03/14/14 08:30	03/14/14 22:46	2988251
79-08-3	Monobromoacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/14/14 22:46	2988251
79-11-8	Monochloroacetic acid	552.2	---	2.0	< 2.0	ug/L	03/14/14 08:30	03/14/14 22:46	2988251
76-03-9	Trichloroacetic acid	552.2	---	1.0	< 1.0	ug/L	03/14/14 08:30	03/14/14 22:46	2988251
---	Total HAA5	552.2	60 *	2.0	10.0	ug/L	03/14/14 08:30	03/14/14 22:46	2988251

† 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:	*	^	!