

Panorama Village, Texas Run Test Data

Test #	Time/Date	Flow - GPM			Turbidity - NTU			TSS			Air			Notes	
		Influent	Effluent	Reject	Influent	Effluent	Reject	Influent	Effluent	Reject	P-Drop	SCFF	GPM/sqft		Poly ppm
1	1500 7-14	22.03	20.68	1.35	2.78	1.76	4.11				20	25	7.35	n/a	Started up @1445
2	1600 7-14	22.03	20.68	1.35	3.16	1.67	4.2				20	25	7.35	n/a	
3	0800 7-15	16.25	15.38	0.87	2.63	3.22	102				18	25	5.12	n/a	
4	1115 7-15	16.31	10.71	5.6	4.54	1.18	3.4				12	14	5.43	n/a	sand not pumping
5	1230 7-15	11.66	11.11	0.55	3.16	1.78	43				12	19	3.88	n/a	
6	1700 7-15	14.15	12.76	1.39	3.94	1.8	26.5				17	19	4.71	12.90 ppm	started chem feed @ 1630
7	0830 7-16	14.34	13.04	1.3	3.47	0.44	76.7	10	2	53	20	20	4.78	12.90 ppm	chem draw down @ 0845, rpm = 104
8	0930 7-16	14.32	13.04	1.28	3.21	0.34	35.6				21	20	4.77	10.03 ppm	draw down 188mL in 30 min=6.26mL/m
9	1345 7-16	14.18	12.76	1.42	3.47	0.57	31.7				17	14	4.72	10.03 ppm	solution = 1 to 15 or 6.66%
10	1615 7-16	14.69	13.63	1.06	3.4	1.51	97.3				19	22	4.89	10.03 ppm	chemical feed line pinched -- no flow
11	0900 7-17	12.98	10.28	2.7	2.69	0.99	28.9				17	16	4.32	0	chemical feed ran out overnight
12	1030 7-17	13.08	11.36	1.72	2.55	0.23	31.2	20	3	37	17	18	4.36	14.3 ppm	filled poly @ 0930/11:1 water : polymer
13	1140 7-17	12.85	11.16	1.69	2.94	0.21	16.7				17.5	20	4.28	14.55 ppm	
14	1400 7-17	11.73	10.36	1.37	4.53	0.27	37.9				17	20	3.91	15.93 ppm	
15	1430 7-17	15.42	13.06	2.35							22	20	5.14	12.11 ppm	increased flow & weir.25"
16	1500 7-17	16.34	13.91	2.43	4.39	0.36	17.2				22	19	5.44	11.42 ppm	
17	1700 7-17	15.64	13.09	2.55	4.13	0.38	23.2				28	22	5.21	11.93 ppm	
18	1715 7-17	15.56	14.63	0.93	4.15	0.51	44.7				29	25	5.18	11.99 ppm	
19	1800 7-17	15.75	14.64	1.11	4.38	0.51	50.4				29	25	5.25	11.84 ppm	TOF to water = 6" , TOF to weir = 7.5"
20	2000 7-17					4.1					21	42			draw down 120mL in 20 min=6mL/m
21	2030 7-17					2.09					21.5	25			
22	2100 7-17	14.78	14.05	0.74	3.58	1.72	115				21.5	25	4.92	12.61 ppm	
23	2130 7-17	15.19	14.03	1.16	4.15	1.55	103				21	25	5.06	12.26 ppm	
24	0715 7-18	14.4	13.63	0.77	4.24	0.4	81.6	18	1	127	20.5	27	4.8	12.93 ppm	
25	1015 7-18	15.12	12.74	2.38	4.1	0.28	16.9				20	20	5.04	12.31 ppm	
26	1045 7-18	14.8	13.59	1.21	3.51	0.3	65.1				20.5	26	4.93	15.57 ppm	
27	1115 7-18	14.3	13.26	1.04	3.3	0.35	67.9				21.5	26	4.77	13.00 ppm	
28	1300 7-18	14.46	13.09	1.37	3.45	0.31	69.5				20	24	4.82	12.85 ppm	
29	1415 7-18	14.32	12.88	1.44	4.19	0.34	41.5				18	24	4.77	12.97 ppm	
30	1730 7-18	14.15	13.59	0.56	3.73	0.59	87.4				19	30	4.71	13.12 ppm	
31	1800 7-18	14.26	13.33	0.93	4.16	0.61	84.7				18.5	26	4.75	13.01 ppm	
32	1830 7-18	14.23	13.16	1.07	4.25	0.44	62.2				18	25	4.74	13.03 ppm	draw down 62mL in 10 min=6.2mL/m
33	1900 7-18	14.04	13.21	0.83	3.92	0.45	86.2				18.5	26	4.68	13.20 ppm	
34	1930 7-18	14	13.1	0.9	3.91	0.76	74.1				18.5	28	4.66	13.23 ppm	
35	2145 7-18	14.16	13.6	0.56	3.66	1.17	86.5				18	28	4.72	13.08 ppm	
36	2230 7-18	14.14	12.88	1.26	3.79	0.99	51.7				17.5	24	4.71	13.09 ppm	
37	0700 7-19	12.95	12.13	0.82	3.48	0.45	66.2	14	2	102	16.5	26	4.31	14.29 ppm	
38	0930 7-19	13.12	10.2	2.92	2.62	0.32	11.4				14.5	18	4.37	14.10 ppm	
39	1000 7-19	14.59	13.04	1.55	3.37	0.36	26.1				18.5	24	4.86	12.67 ppm	
40	1030 7-19	14.57	12.88	1.69	2.57	0.36	24.2				18.5	24	4.85	12.68 ppm	
41	1245 7-19	14.33	11.67	2.66	2.72	0.21	14.1				19	21	4.77	12.89 ppm	
42	1330 7-19	13.64	12.15	1.49	2.96	0.35	23.4				21	22	4.55	13.54 ppm	complete shutdown and restart
43	1545 7-19	18.24	15.02	3.22	3.5	0.48	15.9				21	18	6.08	10.12 ppm	
44	1615 7-19	17.91	16.09	1.82	3.08	0.44	30.8				22	21	5.97	10.3 ppm	
45	1715 7-19	17.69	16.27	1.42	3.35	0.43	32.7				25.5	23	5.89	10.42 ppm	
46	2045 7-19	17.99	17.49	0.5	3.59	1.06	107				26.5	39	6	10.22 ppm	
47	0730 7-20	17.81	16.66	1.15	3.4	0.32	57.6				25	24	5.93	10.34 ppm	
48	1145 7-20	17.33	15.04	2.29	3.02	0.38	15.2				25	18	5.77	10.62 ppm	shut down chem and started ozone system

49	1800 7-20	17.08	15.47	1.61					22	22	5.69 10.77 ppm restarted chem pump, ozone had no effect
50	2000 7-20	17.99	17.31	0.68	3.41	0.4	33.6		25.5	28	6 10.22 ppm
51	0800 7-21	16.54	15.49	1.05	4.24	0.79	87.5		23.5	28	5.51 0 chem feed line plugged-cleaned & restarted
52	1200 7-21	16.35	14.21	2.14	2.54	0.23	22.5		26	18	5.45 11.24 ppm inserted 1" weir plate to slow reject flow
53	1245 7-21	15.68	14.69	0.99	2.76	0.56	42.4		27	24	5.23 11.72 ppm
54	1415 7-21	15.94	13.55	2.39	3.33	0.26	10.7		25	18	5.31 11.52 ppm
55	1500 7-21	15.38	14.25	1.13	2.62	0.33	34.9		28	24	5.13 11.93 ppm
56	1630 7-21	15.93	15.09	0.84	2.69	0.65	137		26	23	5.31 11.47 ppm
57	1730 7-21	15.68	14.73	0.95	2.99	0.53	142		25	23	5.23 11.65 ppm
58	1830 7-21	15.87	15.14	0.73	2.85	0.57	95.5		24.5	24	5.29 11.51 ppm
59	1900 7-21	16.83	15.99	0.84	3.97	0.56	88.7		27	24	5.61 10.85 ppm
60	2130 7-21	17.63	16.41	1.22	3.46	0.78	79.6		24	21	5.87 10.53 ppm chem feed line plugged-cleaned & restarted
61	0700 7-22	15.17	14.77	0.4	2.86	0.56	92.5		23	24	5.05 12.23 ppm shut down filter - end of test