

**SAM E-001 December 2008**

<b>Date</b>	<b>Plant Infl Flow Min</b>	<b>Plant Infl Flow Max</b>	<b>Plant Inf Flow</b>	<b>Inf Comp BOD</b>	<b>Final Eff Comp BOD</b>	<b>Eff BOD Percent Removal</b>	<b>Inf Comp SS</b>
01-Dec-08	0.170	2.410	1.295				
02-Dec-08	0.260	2.620	1.307				230
03-Dec-08	0.180	2.580	1.297	340	9.5	97.2%	270
04-Dec-08	0.250	2.520	1.258				
05-Dec-08	0.320	2.650	1.330				
06-Dec-08	0.170	3.020	1.382				
07-Dec-08	0.210	3.020	1.420				
08-Dec-08	0.160	3.320	1.312				
09-Dec-08	0.130	3.230	1.271				
10-Dec-08	0.190	2.400	1.241				330
11-Dec-08	0.230	2.560	1.327	350	16.0	95.4%	290
12-Dec-08	0.170	2.420	1.315				
13-Dec-08	0.190	2.820	1.472				
14-Dec-08	0.300	3.380	1.632				
15-Dec-08	0.660	2.570	1.497				
16-Dec-08	0.220	2.480	1.303				
17-Dec-08	0.210	2.480	1.340				
18-Dec-08	0.390	2.540	2.587				280
19-Dec-08	0.200	2.320	1.235	240	25.0	89.6%	100
20-Dec-08	0.180	2.820	1.352				
21-Dec-08	0.180	2.660	1.510				240
22-Dec-08	0.480	2.640	1.492	300	15.0	95.0%	190
23-Dec-08	0.260	2.470	1.378				
24-Dec-08	0.280	2.620	1.442				
25-Dec-08	0.740	3.100	1.860				
26-Dec-08	0.490	3.050	1.499				
27-Dec-08	0.230	2.930	1.391				
28-Dec-08	0.280	2.800	1.376				
29-Dec-08	0.230	2.450	1.390				230
30-Dec-08	0.330	2.880	1.468	310	18.0	94.2%	260
31-Dec-08	0.340	2.740	1.506				
<b>Count</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>5</b>	<b>5</b>		<b>10</b>
<b>Minimum</b>	<b>0.130</b>	<b>2.320</b>	<b>1.235</b>	<b>240</b>	<b>9.5</b>	<b>89.6%</b>	<b>100</b>
<b>Average</b>	<b>0.278</b>	<b>2.726</b>	<b>1.435</b>	<b>308</b>	<b>16.7</b>	<b>94.3%</b>	<b>242</b>
<b>Maximum</b>	<b>0.740</b>	<b>3.380</b>	<b>2.587</b>	<b>350</b>	<b>25.0</b>	<b>97.2%</b>	<b>330</b>
<b>Percent Removal</b>						<b>85</b>	
<b>5 Sample Median</b>							
<b>High</b>							
<b>Low</b>							
<b>Daily Max</b>							
<b>Weekly Average</b>					<b>45</b>		
<b>Monthly Average</b>					<b>30</b>		

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<b>Date</b>	<b>Final Eff Comp SS</b>	<b>Eff SS Percent Removal</b>	<b>Final Eff Grab Sett Matt</b>	<b>Chlorine Violation Magnitude</b>	<b>Chlorine Violation Duration</b>	<b>Final Eff Comp Turbidity</b>
01-Dec-08			0.2	0.00	0.00	
02-Dec-08	7.5	96.7%	0.3	0.00	0.00	5.5
03-Dec-08	8.7	96.8%	0.1	0.00	0.00	6.2
04-Dec-08			< 0.1	0.00	0.00	
05-Dec-08			0.2	0.00	0.00	
06-Dec-08			0.3	0.00	0.00	
07-Dec-08			0.1	0.00	0.00	
08-Dec-08			< 0.1	0.00	0.00	
09-Dec-08			< 0.1	0.00	0.00	
10-Dec-08	3.6	98.9%	< 0.1	0.00	0.00	4.8
11-Dec-08	12.0	95.9%	0.7	0.00	0.00	9.3
12-Dec-08			0.2	0.00	0.00	
13-Dec-08			0.1	0.00	0.00	
14-Dec-08			< 0.1	0.00	0.00	
15-Dec-08			< 0.1	0.00	0.00	
16-Dec-08			< 0.1	0.00	0.00	
17-Dec-08			< 0.1	0.00	0.00	
18-Dec-08	9.5	96.6%	0.1	0.00	0.00	7.1
19-Dec-08	10.0	90.0%	0.1	0.00	0.00	7.9
20-Dec-08			< 0.1	0.00	0.00	
21-Dec-08	8.5	96.5%	0.1	0.00	0.00	7.1
22-Dec-08	7.7	95.9%	0.1	0.00	0.00	7.0
23-Dec-08			< 0.1	0.00	0.00	
24-Dec-08			< 0.1	0.00	0.00	
25-Dec-08			0.1	0.00	0.00	
26-Dec-08			0.1	0.00	0.00	
27-Dec-08			0.1	0.00	0.00	
28-Dec-08			< 0.1	0.00	0.00	
29-Dec-08	9.1	96.0%	0.2	0.00	0.00	6.6
30-Dec-08	6.9	97.3%	0.1	0.00	0.00	6.1
31-Dec-08			< 0.1	0.00	0.00	
<b>Count</b>	<b>10</b>		<b>31</b>	<b>31</b>	<b>31</b>	<b>10</b>
Minimum	3.6	90.0%	< 0.100	0.00	0.00	4.8
Average	8.4	96.1%	< 0.145	0.00	0.00	6.8
Maximum	12.0	98.9%	0.700	0.00	0.00	9.3
<b>Percent Removal</b>		<b>85</b>				
5 Sample Median						
High						
Low						
Daily Max			3.0		7.2	225
Weekly Average	45		1.5			100
Monthly Average	30		1.0			75

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<b>Date</b>	<b>Final Eff Grab pH Low</b>	<b>Final Eff Grab pH High</b>	<b>Final Eff Grab Temp</b>	<b>Final Eff Comp NH3-N</b>	<b>Chlor Cont Grab Enterococcus</b>
01-Dec-08	7.03	7.03	20.9		
02-Dec-08	7.17	7.17	21.1		
03-Dec-08	7.11	7.11	20.2	46.7	< 1
04-Dec-08	7.23	7.23	20.6	41.6	
05-Dec-08	7.12	7.12	20.3	44.0	
06-Dec-08	7.19	7.19	20.4	51.0	
07-Dec-08	7.09	7.09	20.2		
08-Dec-08	7.07	7.07	20.3		
09-Dec-08	7.11	7.11	20.1		
10-Dec-08	7.15	7.15	19.7		
11-Dec-08	7.27	7.27	20.2		< 10
12-Dec-08	7.13	7.13	19.9		
13-Dec-08	7.24	7.24	19.6		
14-Dec-08	7.13	7.13	18.8		
15-Dec-08	7.17	7.17	18.8		
16-Dec-08	7.11	7.11	18.8		
17-Dec-08	7.15	7.15	18.2		
18-Dec-08	6.84	6.84	18.2		< 10
19-Dec-08	6.95	6.95	18.6		
20-Dec-08	7.09	7.09	19.2		
21-Dec-08	7.17	7.17	19.3		
22-Dec-08	7.03	7.03	19.2		< 10
23-Dec-08	7.16	7.16	19.3		
24-Dec-08	7.16	7.16	19.5		
25-Dec-08	7.00	7.00	19.5		
26-Dec-08	7.05	7.05	18.8		
27-Dec-08	7.23	7.23	18.8		
28-Dec-08	7.09	7.09	18.9		
29-Dec-08	7.10	7.10	19.2		
30-Dec-08	7.16	7.16	19.2		3.1
31-Dec-08	7.07	7.07	18.7		
<b>Count</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>4</b>	<b>5</b>
<b>Minimum</b>	<b>6.84</b>	<b>6.84</b>	<b>18.2</b>	<b>41.6</b>	<b>&lt; 1.0</b>
<b>Average</b>	<b>7.12</b>	<b>7.12</b>	<b>19.5</b>	<b>45.8</b>	<b>&lt; 6.8</b>
<b>Maximum</b>	<b>7.27</b>	<b>7.27</b>	<b>21.1</b>	<b>51.0</b>	<b>10.0</b>
<b>Percent Removal</b>					
<b>5 Sample Median</b>					<b>4,200</b>
<b>High</b>		<b>9</b>			
<b>Low</b>	<b>6</b>				
<b>Daily Max</b>					<b>12,500</b>
<b>Weekly Average</b>					
<b>Monthly Average</b>					

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<b>Date</b>	<b>Final Eff Comp Toxicity</b>	<b>Final Eff Grab DO</b>	<b>Final Eff Grab Do Saturation</b>	<b>Dissolved Oxygen #1</b>	<b>Dissolved Oxygen #2</b>	<b>Dissolved Oxygen #3</b>
01-Dec-08		5.95	67.0			
02-Dec-08		6.11	68.5			
03-Dec-08	0.7	5.93	65.7	7.32	8.23	8.00
04-Dec-08		6.50	73.5			
05-Dec-08		6.09	63.7			
06-Dec-08		5.70	63.8			
07-Dec-08		5.78	63.7			
08-Dec-08		5.71	63.1			
09-Dec-08		5.99	65.3			
10-Dec-08		5.81	64.5			
11-Dec-08		5.51	61.8			
12-Dec-08		5.72	62.9			
13-Dec-08		6.16	69.8			
14-Dec-08		6.32	68.4			
15-Dec-08		6.65	71.2			
16-Dec-08		6.74	72.3			
17-Dec-08		6.33	67.3			
18-Dec-08		5.80	60.5			
19-Dec-08		5.75	62.3			
20-Dec-08		6.50	70.3			
21-Dec-08		6.05	66.0			
22-Dec-08		5.67	61.8			
23-Dec-08		5.73	62.6			
24-Dec-08		5.78	61.8			
25-Dec-08		6.21	68.0			
26-Dec-08		6.62	71.4			
27-Dec-08		6.03	65.4			
28-Dec-08		6.02	64.0			
29-Dec-08		6.28	67.7			
30-Dec-08		5.67	61.8			
31-Dec-08		5.91	62.3			
<b>Count</b>	<b>1</b>	<b>31</b>	<b>31</b>	<b>1</b>	<b>1</b>	<b>1</b>
Minimum	0.7	5.51	60.5	7.32	8.23	8.00
Average	0.7	6.03	65.8	7.32	8.23	8.00
Maximum	0.7	6.74	73.5	7.32	8.23	8.00
<b>Percent Removal</b>						
5 Sample Median						
High						
Low						
Daily Max						
Weekly Average						
Monthly Average						

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<b>Date</b>	<b>Dissolved Oxygen #4</b>	<b>Dissolved Oxygen #R</b>	<b>pH #1</b>	<b>pH #2</b>	<b>pH #3</b>	<b>pH #4</b>	<b>pH #R</b>	<b>Temp #1</b>
01-Dec-08								
02-Dec-08								
03-Dec-08	8.06	7.25	8.18	8.23	8.24	8.25	8.23	13.5
04-Dec-08								
05-Dec-08								
06-Dec-08								
07-Dec-08								
08-Dec-08								
09-Dec-08								
10-Dec-08								
11-Dec-08								
12-Dec-08								
13-Dec-08								
14-Dec-08								
15-Dec-08								
16-Dec-08								
17-Dec-08								
18-Dec-08								
19-Dec-08								
20-Dec-08								
21-Dec-08								
22-Dec-08								
23-Dec-08								
24-Dec-08								
25-Dec-08								
26-Dec-08								
27-Dec-08								
28-Dec-08								
29-Dec-08								
30-Dec-08								
31-Dec-08								
<b>Count</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Minimum</b>	<b>8.06</b>	<b>7.25</b>	<b>8.18</b>	<b>8.23</b>	<b>8.24</b>	<b>8.25</b>	<b>8.23</b>	<b>13.5</b>
<b>Average</b>	<b>8.06</b>	<b>7.25</b>	<b>8.18</b>	<b>8.23</b>	<b>8.24</b>	<b>8.25</b>	<b>8.23</b>	<b>13.5</b>
<b>Maximum</b>	<b>8.06</b>	<b>7.25</b>	<b>8.18</b>	<b>8.23</b>	<b>8.24</b>	<b>8.25</b>	<b>8.23</b>	<b>13.5</b>
<b>Percent Removal</b>								
<b>5 Sample Median</b>								
<b>High</b>								
<b>Low</b>								
<b>Daily Max</b>								
<b>Weekly Average</b>								
<b>Monthly Average</b>								



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<b>Date</b>	<b>Salinity #R</b>	<b>Ammonia #1</b>	<b>Ammonia #2</b>	<b>Ammonia #3</b>	<b>Ammonia #4</b>	<b>Ammonia #R</b>
01-Dec-08						
02-Dec-08						
03-Dec-08	32.6	0.2	< 0.2	< 0.2	< 0.2	< 0.2
04-Dec-08						
05-Dec-08						
06-Dec-08						
07-Dec-08						
08-Dec-08						
09-Dec-08						
10-Dec-08						
11-Dec-08						
12-Dec-08						
13-Dec-08						
14-Dec-08						
15-Dec-08						
16-Dec-08						
17-Dec-08						
18-Dec-08						
19-Dec-08						
20-Dec-08						
21-Dec-08						
22-Dec-08						
23-Dec-08						
24-Dec-08						
25-Dec-08						
26-Dec-08						
27-Dec-08						
28-Dec-08						
29-Dec-08						
30-Dec-08						
31-Dec-08						
<b>Count</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>
Minimum	32.6	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Average	32.6	0.2	< 0.2	< 0.2	< 0.2	< 0.2
Maximum	32.6	0.2	< 0.2	< 0.2	< 0.2	< 0.2
<b>Percent Removal</b>						
5 Sample Median						
High						
Low						
Daily Max						
Weekly Average						
Monthly Average						

Date	Unionized Ammonia #1	Unionized Ammonia #2	Unionized Ammonia #3	Unionized Ammonia #4	Unionized Ammonia #R
01-Dec-08					
02-Dec-08					
03-Dec-08	0.007	< 0.008	< 0.009	< 0.008	< 0.008
04-Dec-08					
05-Dec-08					
06-Dec-08					
07-Dec-08					
08-Dec-08					
09-Dec-08					
10-Dec-08					
11-Dec-08					
12-Dec-08					
13-Dec-08					
14-Dec-08					
15-Dec-08					
16-Dec-08					
17-Dec-08					
18-Dec-08					
19-Dec-08					
20-Dec-08					
21-Dec-08					
22-Dec-08					
23-Dec-08					
24-Dec-08					
25-Dec-08					
26-Dec-08					
27-Dec-08					
28-Dec-08					
29-Dec-08					
30-Dec-08					
31-Dec-08					
Count	1	0	1	0	1
Minimum	0.007	< 0.008	< 0.009	< 0.008	< 0.008
Average	0.007	< 0.008	< 0.009	< 0.008	< 0.008
Maximum	0.007	< 0.008	< 0.009	< 0.008	< 0.008
Percent Removal					
5 Sample Median					
High					
Low					
Daily Max					
Weekly Average					
Monthly Average					

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Date	Bacti (MPN) #1	Bacti (MPN) #2	Bacti (MPN) #3	Bacti (MPN) #4	Bacti (MPN) #R
01-Dec-08					
02-Dec-08					
03-Dec-08	< 10	< 10	< 10	< 10	< 10
04-Dec-08					
05-Dec-08					
06-Dec-08					
07-Dec-08					
08-Dec-08					
09-Dec-08					
10-Dec-08					
11-Dec-08					
12-Dec-08					
13-Dec-08					
14-Dec-08					
15-Dec-08					
16-Dec-08					
17-Dec-08					
18-Dec-08					
19-Dec-08					
20-Dec-08					
21-Dec-08					
22-Dec-08					
23-Dec-08					
24-Dec-08					
25-Dec-08					
26-Dec-08					
27-Dec-08					
28-Dec-08					
29-Dec-08					
30-Dec-08					
31-Dec-08					
Count	1	1	0	1	0
Minimum	< 10	< 10	< 10	< 10	< 10
Average	< 10	< 10	< 10	< 10	< 10
Maximum	< 10	< 10	< 10	< 10	< 10
Percent Removal					
5 Sample Median					
High					
Low					
Daily Max					
Weekly Average					
Monthly Average					