

MONTHLY SUMMARY OF MONITORING FOR SURFACE WATER TREATMENT REGULATIONS

System Name: City of Pleasantville

System Number: 123-4567

Plant Name: Pleasantville Water Treatment Plant

Month/Year: July-02

Date	Average Raw Water Turbidity	Average Applied Water Turbidity	Average Recycled Water Turbidity	Average Combined Filtered Water Turbidity	Minimum CT Ratio
1	5.49			0.22	
2	4.83			0.21	
3	4.82			0.21	
4	4.54			0.21	
5	5.21			0.16	
6	5.01			0.19	
7	4.81			0.15	
8	5.11			0.19	
9	4.73			0.16	
10	5.28			0.18	
11	4.95			0.18	
12	5.14			0.19	
13	4.96			0.18	
14	5.08			0.18	
15	5.31			0.20	
16	4.53			0.15	
17	4.88			0.19	
18	5.14			0.21	
19	5.07			0.22	
20	5.14			0.20	
21	5.04			0.17	
22	4.89			0.21	
23	5.08			0.15	
24	5.64			0.22	
25	4.72			0.20	
26	4.98			0.24	
27	5.26			0.21	
28	5.00			0.13	
29	4.93			0.16	
30	5.02			0.26	
31	4.69			0.19	
Monthly	5.01			0.19	

Combined Filtered Effluent:	
Total Number of Samples:	186
No. of Readings \leq 0.3 NTU:	186
Percent Readings \leq 0.3 NTU:	100.0%
Meets Standard (i.e. More than 95% of Readings \leq 0.3 NTU, Y/N)?	Y
Average Percent Reduction During the Month:	
$\frac{\text{Average Raw NTU} - \text{Average Effluent NTU}}{\text{Average Raw NTU}} \times 100 =$	96.2%
Meets Standard (i.e. Reduction is greater than 80%, Y/N)?	Y
Percentile Results (based on 15-minute samples):	
xth Percentile NTU Value of all turbidity readings:	50 th = 0.21
(x% of all turbidity readings are less than these values)	90 th = 0.24
	95 th = 0.25
	98 th = 0.25
	99 th = 0.25

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Month/Year: July-02

Date	Average Raw Water Turbidity	Average Applied Water Turbidity	Average Recycled Water Turbidity	Treated Water Turbidities, Every Four Hours (NTU)*						Average Combined Filtered Water Turbidity	Minimum CT Ratio
				00:00-04:00	04:00-08:00	08:00-12:00	12:00-16:00	16:00-20:00	20:00-00:00		
1	5.49			0.25	0.16	0.10	0.28	0.28	0.23	0.22	
2	4.83			0.21	0.29	0.12	0.16	0.13	0.22	0.19	
3	4.82			0.26	0.19	0.27	0.19	0.17	0.20	0.21	
4	4.54			0.21	0.27	0.11	0.27	0.11	0.29	0.21	
5	5.21			0.11	0.16	0.26	0.12	0.12	0.16	0.16	
6	5.01			0.20	0.10	0.24	0.23	0.22	0.15	0.19	
7	4.81			0.20	0.11	0.20	0.10	0.14	0.14	0.15	
8	5.11			0.11	0.21	0.20	0.18	0.28	0.13	0.19	
9	4.73			0.14	0.16	0.17	0.19	0.17	0.11	0.16	
10	5.28			0.11	0.27	0.21	0.12	0.17	0.21	0.18	
11	4.95			0.19	0.11	0.13	0.16	0.27	0.20	0.18	
12	5.14			0.12	0.11	0.21	0.25	0.18	0.26	0.19	
13	4.96			0.14	0.18	0.17	0.22	0.22	0.13	0.18	
14	5.08			0.24	0.16	0.18	0.18	0.13	0.19	0.18	
15	5.31			0.26	0.23	0.11	0.24	0.26	0.11	0.20	
16	4.53			0.20	0.16	0.14	0.13	0.16	0.11	0.15	
17	4.88			0.23	0.25	0.26	0.16	0.11	0.15	0.19	
18	5.14			0.11	0.24	0.26	0.21	0.18	0.23	0.21	
19	5.07			0.27	0.22	0.26	0.15	0.19	0.21	0.22	
20	5.14			0.14	0.18	0.29	0.18	0.27	0.15	0.20	
21	5.04			0.11	0.28	0.13	0.19	0.12	0.21	0.17	
22	4.89			0.13	0.22	0.20	0.26	0.21	0.24	0.21	
23	5.08			0.10	0.10	0.20	0.11	0.18	0.22	0.15	
24	5.64			0.25	0.24	0.21	0.28	0.20	0.12	0.22	
25	4.72			0.15	0.27	0.10	0.25	0.28	0.16	0.20	
26	4.98			0.18	0.26	0.22	0.29	0.24	0.27	0.24	
27	5.26			0.10	0.27	0.27	0.17	0.21	0.22	0.21	
28	5.00			0.20	0.11	0.12	0.15	0.10	0.10	0.13	
29	4.93			0.10	0.19	0.14	0.18	0.21	0.13	0.16	
30	5.02			0.26	0.28	0.26	0.24	0.27	0.27	0.26	
31	4.69			0.19	0.21	0.18	0.14	0.17	0.27	0.19	
Ave.	5.01									0.19	

*If a continuous monitoring turbidimeter is used, then determine the discrete turbidity value for the same time during each four hour period.

Combined Filtered Effluent:	
Total Number of Samples:	<u>186</u>
Number of Readings ≤ 0.3 NTU:	<u>186</u>
Percent of Readings ≤ 0.3 NTU:	<u>100.0%</u>
Meets Standard (i.e. more than 95% of readings ≤ 0.3 NTU, Y/N)?	<u>Y</u>
Average Percent Reduction During the Month:	
$\frac{\text{Average Raw NTU} - \text{Average Effluent NTU}}{\text{Average Raw NTU}} \times 100 =$	
	96.2%
Meets Standard (i.e. reduction is greater than 80%, Y/N)?	<u>Y</u>
95th Percentile Value of All Turbidity Readings (i.e., 95% of all turbidity readings are less than this value):	0.28