ANNUAL RECEIVING WATER MONITORING REPORT

FOR 2011

ELWHA RIVER WATER TREATMENT FACILITIES

Prepared For:

United States Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, Washington 98101

Prepared by:

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OFFICE OF COMPLIANCE AND ENFORCEMENT

VEOLIA WATER NORTH AMERICA
OPERATING SERVICES

Mike Greene, Project Manager

Date: February 8, 2012

90299

NPDES PERMIT #: WA-0026666-2

INTRODUCTION

The following Receiving Water Monitoring Report has been prepared by Veolia Water North America (VWNA) on behalf of the US Department of Interior (permit holder), Bureau of Reclamation, with a local address of: 826 East Front St., Port Angeles Washington.

This report has been prepared as a requirement of the NPDES Permit (WA-0026666-2, effective August 1, 2009) for the Elwha River Water Treatment Facilities.
The Receiving Water Monitoring report has been submitted as required by Section 1, C, 3 of NPDES Permit #WA-002666-2.

The EWF commenced full operations in June 2011. Prior to June, the plant had been operated on a limited basis in a stand-by ("Mothball") operating mode. After June, the plant was in stand-by with limited operation until October. Since October 1 (2011) the EWF operated continuously (24 hours per day) each day through December 31st.

BACKGROUND

VWNA is currently under contract to the US National Park Service to operated and maintain the Elwha Water Facilities (EWF) located close to Port Angles, Clallam County, Washington. The newly constructed facility is located along the Elwha River and has a physical address of 364 Crown Z Water Road, Port Angeles (Clallam County), Washington 98362.

The EWF is a water reclamation facility constructed to mitigate surface water quality impact which may result from the removal of the two Elwha River Dams upstream of the EWF.

The EWF is a sedimentation plant consisting of physical and chemical coagulation, flocculation and sedimentation processes. There are no biological and/or disinfection processes employed at the facility.

WATER and FLOW DATA

Water quality and flow data is presented in **Attachment A.** The flow and water quality data shown are for those days that discharges occurred. Sample collection days and analyses occurred on the days indicated. Trends comparing influent turbidity and total suspended solids are shown in **Attachment B**.

DISCUSSION

Comparisons of influent and effluent suspended solids and turbidy show that after commencement of full operations in October, 2011 the upstream concentration are greater than those downstream. Although a comprehensive mixing zone study was not performed, it's likely the mixing downstream of the outfall is greater than the plant intake and the solids material is spread over w wider cross section of the river.

ATTACHMENT A

Data Tables, Receiving Water Monitoring

INFLUENT & DOWNSTREAM WATER QUALITY

	DOWNSTREAM OF OUTFALL 001							UPSTREAM	
Month/Day	Ph	TSS	TURBIDITY	SETTLE SOLIDS	TEMP	F-COLIFORM	D.O.	TSS	TURBIDITY
Discharge Days	su 5508	mg/L 5503	NTU 5504	ml/L 5505	deg C 5506	#/100 ml 5502	mg/L 5501	mg/L	NTU
January (No Disch)									
February									
2/8/2011	7.6	7.2	9	<1.0	5.4	<2	13.32	129.0	13.0
2/9/2011		6.4	13	<1.0	5.1		13.36	106.0	22.0
March									
3/8/2011	7.8	10.3	13	<1.0	4.2	2	13.9	1.4	3.0
3/9/2011								3.6	3.0
3/16/2011	7.7	5.1			5.1		13.62	6.4	10.0
April									
4/13/2011	7.99	0.2	4	<1.0	6.8	<1	14.38	2.0	3.1
4/14/2011								1.7	3.2
May									
5/10/2011	8.31	1.6	1.24	<1.0	8.7	<1	11.48	2.4	1.3
5/11/2011								1.8	1.3
5/25/2011								5.3	3.2
June									
6/7/2011	7.73	53.8	47.6	<1.0	9.6	14	11.78	46.7	28.3
6/8/2011								85.9	57.0
6/9/2011								131.7	96.0
6/10/2011								85.7	79.0
6/11/2011								113.6	83.0
6/12/2011								77.5	87.1
6/13/2011								56.2	62.0
6/14/2011	7.59	50.8	40.2	<1.0	9		11.86	39.1	40.0
6/15/2011								41.2	35.9
6/16/2011								37.7	29.3
6/17/2011								24.9	29.9
6/18/2011								19.0	26.7

INFLUENT & DOWNSTREAM WATER QUALITY

	DOWNSTREAM OF OUTFALL 001							UPSTREAM	
Month/Day	Ph	TSS	TURBIDITY	SETTLE SOLIDS	TEMP	F-COLIFORM	D.O.	TSS	TURBIDITY
Discharge Days	su 5508	mg/L 5503	NTU 5504	ml/L 5505	deg C 5506	#/100 ml 5502	mg/L 5501	mg/L	NTU
6/19/2011								21.0	21.8
6/20/2011	7.73	20	21.2	<1.0	9		11.87	28.8	16.9
6/21/2011								23.9	20.5
6/22/2011								25.3	23.6
6/23/2011								27.0	22.8
6/24/2011								28.5	21.6
6/25/2011								27.6	26.9
6/26/2011								25.9	26.9
6/27/2011								25.8	26.8
6/28/2011	7.76	26	23.7	<1.0	9.3		61	21.0	23.0
6/29/2011								17.9	14.5
6/30/2011								17.5	17.0
July									
7/1/2011								17.5	17.0
7/5/2011						2		14.2	11.6
7/6/2011								13.0	10.3
7/12/2011									
7/13/2011	7.41	9.6	11.3	< 1.0	9.7		11.48	9.2	12.5
7/18/2011	7.56	19	35.5	< 1.0	10		11.65	13.8	38.0
7/20/2011								26.5	10.8
August									
8/2/2011	7.68	8.5	11.1	< 1.0	11.9	< 1.0	10.57	6.3	8.5
8/3/2011	7.55		11.1					10.7	8.5
8/4/2011								5.5	7.5
September (No Discharge)									
October									
10/1/2011								36.2	30.0

INFLUENT & DOWNSTREAM WATER QUALITY

	DOWNSTREAM OF OUTFALL 001							UPSTREAM	
Month/Day	Ph	TSS	TURBIDITY	SETTLE SOLIDS	TEMP	F-COLIFORM	D.O.	TSS	TURBIDITY
Discharge Days	su 5508	mg/L 5503	NTU 5504	ml/L 5505	deg C 5506	#/100 ml 5502	mg/L 5501	mg/L	NTU
10/2/2011		31.2						80.6	35.4
10/3/2011								19.0	37.0
10/4/2011						5		36.4	43.0
10/5/2011								43.7	46.9
10/6/2011								46.0	45.2
10/7/2011								33.7	36.5
10/8/2011								26.8	35.1
10/9/2011								27.5	29.5
10/10/2011	8.12	69	36.2	<1.0	10.3		11.36	22.0	22.7
10/11/2011								45.0	25.0
10/12/2011								45.2	56.2
10/13/2011								53.2	59.3
10/14/2011								48.5	35.2
10/15/2011								38.6	41.3
10/16/2011								27.7	36.7
10/17/2011	7.82							24.5	31.3
10/18/2011		25.3	27.4		8			22.2	24.3
10/19/2011								183.3	22.2
10/20/2011								87.6	115.0
10/21/2011								95.0	139.0
10/22/2011								114.6	134.0
10/23/2011								106.7	144.0
10/24/2011								99.7	125.0
10/25/2011		102.4						86.1	116.0
10/26/2011								84.6	121.0
10/27/2011								94.2	106.0
10/28/2011								83.4	88.4
10/29/2011								83.4	90.4
10/30/2011								66.6	72.9
10/31/2011								58.9	64.9

INFLUENT & DOWNSTREAM WATER QUALITY

	DOWNSTREAM OF OUTFALL 001							UPSTREAM	
Month/Day	Ph	TSS	TURBIDITY	SETTLE SOLIDS	TEMP	F-COLIFORM	D.O.	TSS	TURBIDITY
Discharge Days	su 5508	mg/L 5503	NTU 5504	ml/L 5505	deg C 5506	#/100 ml 5502	mg/L 5501	mg/L	NTU
November									
11/1/2011	7.92		81.5		6.6			62.0	56.0
11/2/2011								58.0	60.2
11/3/2011								66.4	58.0
11/4/2011								52.8	56.2
11/5/2011								50.9	48.2
11/6/2011								45.4	43.5
11/7/2011								42.9	45.6
11/8/2011	8.02	41.2	689		5.7		12.88	50.0	41.3
11/9/2011						1		45.6	48.3
11/10/2011								48.2	50.7
11/11/2011								58.9	50.2
11/12/2011								73.3	68.0
11/13/2011								59.6	73.1
11/14/2011								52.4	70.8
11/15/2011	7.55	53.8	57.8	<1.0	5.5		13.28	55.6	54.6
11/16/2011								54.0	60.3
11/17/2011								88.9	60.1
11/18/2011								66.4	98.0
11/19/2011								97.3	96.4
11/20/2011								73.3	108.0
11/21/2011								61.7	76.5
11/22/2011	7.25	70.9		<1.0			13.41	220.0	64.9
11/23/2011								408.5	524.0
11/24/2011								264.1	313.0
11/25/2011								223.7	351.0
11/26/2011								232.1	247.0
11/27/2011								293.0	261.0
11/28/2011								208.6	281.0
11/29/2011		180.6						167.2	206.0
11/30/2011								135.3	195.0

INFLUENT & DOWNSTREAM WATER QUALITY

	DOWNSTREAM OF OUTFALL 001							UPSTREAM	
Month/Day	Ph	TSS	TURBIDITY	SETTLE SOLIDS	TEMP	F-COLIFORM	D.O.	TSS	TURBIDITY
Discharge Days	su 5508	mg/L 5503	NTU 5504	ml/L 5505	deg C 5506	#/100 ml 5502	mg/L 5501	mg/L	NTU
December									
12/1/2011								141.0	143.0
12/2/2011								136.0	149.0
12/3/2011								114.0	125.0
12/4/2011								104.1	121.0
12/5/2011								97.2	106.0
12/6/2011	7.25	97	97		3.9	3	14.02	42.2	94.5
12/7/2011								62.5	64.9
12/8/2011								59.3	64.9
12/9/2011								63.5	56.8
12/10/2011								12.3	62.5
12/11/2011								26.6	49.1
12/12/2011								33.2	37.6
12/13/2011								31.3	36.2
12/14/2011								20.8	35.6
12/15/2011								23.3	30.2
12/16/2011								22.7	30.4
12/17/2011								32.8	31.5
12/18/2011								22.0	34.2
12/19/2011								59.6	24.2
12/20/2011	7.79	91.3	108		4.1		13.71	96.3	115.0
12/21/2011								56.9	47.6
12/22/2011								102.0	63.2
12/23/2011								106.0	77.3
12/24/2011								85.0	91.7
12/25/2011								20.0	84.1
12/26/2011								76.1	92.5
12/27/2011	7.7	90.5	102		3.9			105.2	85.6
12/28/2011								282.6	191.0
12/29/2011				0.3				593.0	240.0
12/30/2011								491.0	460.0
12/31/2011								280.0	296.0

UPSTREAM AND DOWNSTREAM FLOWS ELWHA RIVER WATER FACILITIES

	FLOWS						
Month/Day	RIVER FLOW 1	END USERS		UPSTREAM OF OUTFALL	OUTFALL (001) DISCH - 3078	WDFW Return - Upstream of Outfall	DOWN-STREAM OF OUTFALL
Discharge Days	CFS	GAL PER DAY	CFS	CFS	CFS	CFS	CFS
January (No Disch)							
Februay							
2/8/2011	1640.00	20,966,000	32.44	1607.56	0.42	15.02	1623.00
2/9/2011	1470.00	22,187,000	34.33	1435.67	0.31	17.99	1453.98
Ave	1555.00	21576500	33.39	1521.61	0.37	16.51	1538.49
March							
3/8/2011	805.00	20,295,000	31.40	773.60	0.27	32.00	805.87
3/9/2011	858.00	21,169,000	32.76	825.24	1.10	31.45	857.79
3/16/2011	3670.00	20,315,000	31.43	3638.57	0.61	31.48	3670.65
Ave	5333.00	61,779,000	95.59	5237.41	1.98	94.92	5334.30
April							
4/13/2011	1240.00	15,270,000	23.63	1216.37	2.53	7.10	1226.00
4/14/2011	1260.00	17,587,000	27.21	1232.79	0.51	7.26	1240.56
Ave	1250.00	16,428,500	25.42	1224.58	1.52	7.18	1233.28
May							
5/10/2011	1146.00	25,134,000	38.89	1107.11	0.77	6.81	1114.69
5/11/2011	1338.00	24,296,000	37.59	1300.41	0.49	5.95	1306.85
5/25/2011	1950.00	20,812,000	32.20	1917.80	1.56	6.76	1926.13
Ave	1478.00	23,414,000	36.23	1441.77	0.94	6.51	1449.22

Month/Day	FLOWS						
	RIVER FLOW 1	END USERS		UPSTREAM OF OUTFALL	OUTFALL (001) DISCH - 3078	WDFW Return - Upstream of Outfall	DOWN-STREAM OF OUTFALL
Discharge Days	CFS	GAL PER DAY	CFS	CFS	CFS	CFS	CFS
June							
6/7/2011	4850.00	15,334,000	23.73	4826.27	28.12	6.72	4861.12
6/8/2011	2900.00	18,087,000	27.99	2872.01	1.44	7.72	2881.17
6/9/2011	3150.00	18,907,000	29.26	3120.74	1.69	7.84	3130.28
6/10/2011	3320.00	17,575,000	27.19	3292.81	1.69	7.49	3301.99
6/11/2011	3530.00	18,309,000	28.33	3501.67	1.86	8.01	3511.54
6/12/2011	3150.00	17,634,000	27.29	3122.71	1.58	8.64	3132.94
6/13/2011	2960.00	16,648,000	25.76	2934.24	1.55	6.93	2942.72
6/14/2011	2970.00	18,822,000	29.12	2940.88	1.72	7.27	2949.86
6/15/2011	2860.00	12,262,000	18.97	2841.03	1.53	0.19	2842.74
6/16/2011	2660.00	12,429,000	19.23	2640.77	1.56	0.00	2642.33
6/17/2011	2530.00	12,537,000	19.40	2510.60	1.19	0.00	2511.79
6/18/2011	2550.00	12,555,000	19.43	2530.57	1.01	0.00	2531.58
6/19/2011	2850.00	12,541,000	19.41	2830.59	1.01	0.00	2831.60
6/20/2011	2960.00	12,725,000	19.69	2940.31	1.04	0.00	2941.35
6/21/2011	2960.00	13,024,000	20.15	2939.85	1.04	0.00	2940.88
6/22/2011	3140.00	12,582,000	19.47	3120.53	1.01	0.00	3121.54
6/23/2011	3490.00	14,034,000	21.72	3468.28	1.02	0.00	3469.31
6/24/2011	3250.00	13,473,000	20.85	3229.15	1.05	0.00	3230.20
6/25/2011	2900.00	12,775,000	19.77	2880.23	1.02	0.00	2881.25
6/26/2011	2660.00	13,424,000	20.77	2639.23	1.04	0.00	2640.27
6/27/2011	2600.00	12,652,000	19.58	2580.42	1.01	0.00	2581.43
6/28/2011	2840.00	13,672,000	21.16	2818.84	1.01	0.00	2819.85
6/29/2011	3500.00	11,385,000	17.62	3482.38	0.88	0.00	3483.27
6/30/2011	3440.00	15,220,000	23.55	3416.45	0.74	0.00	3417.19
Average	3084.17	14,525,250	22.48	3061.69	2.37	2.53	3066.59

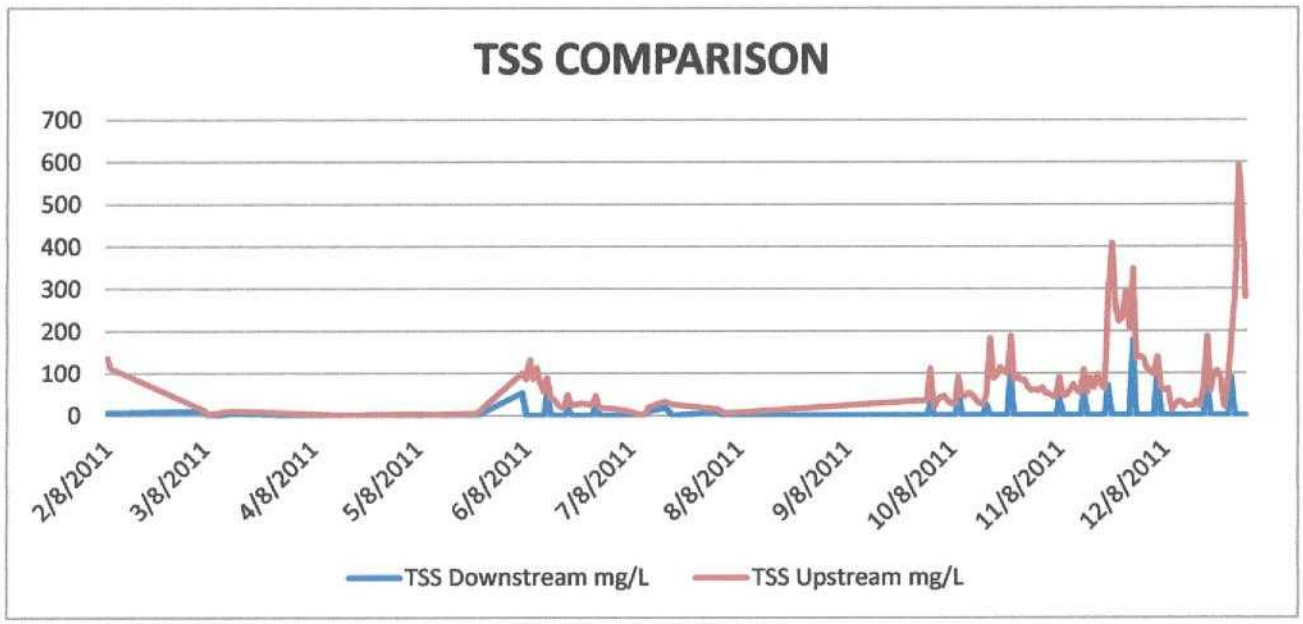
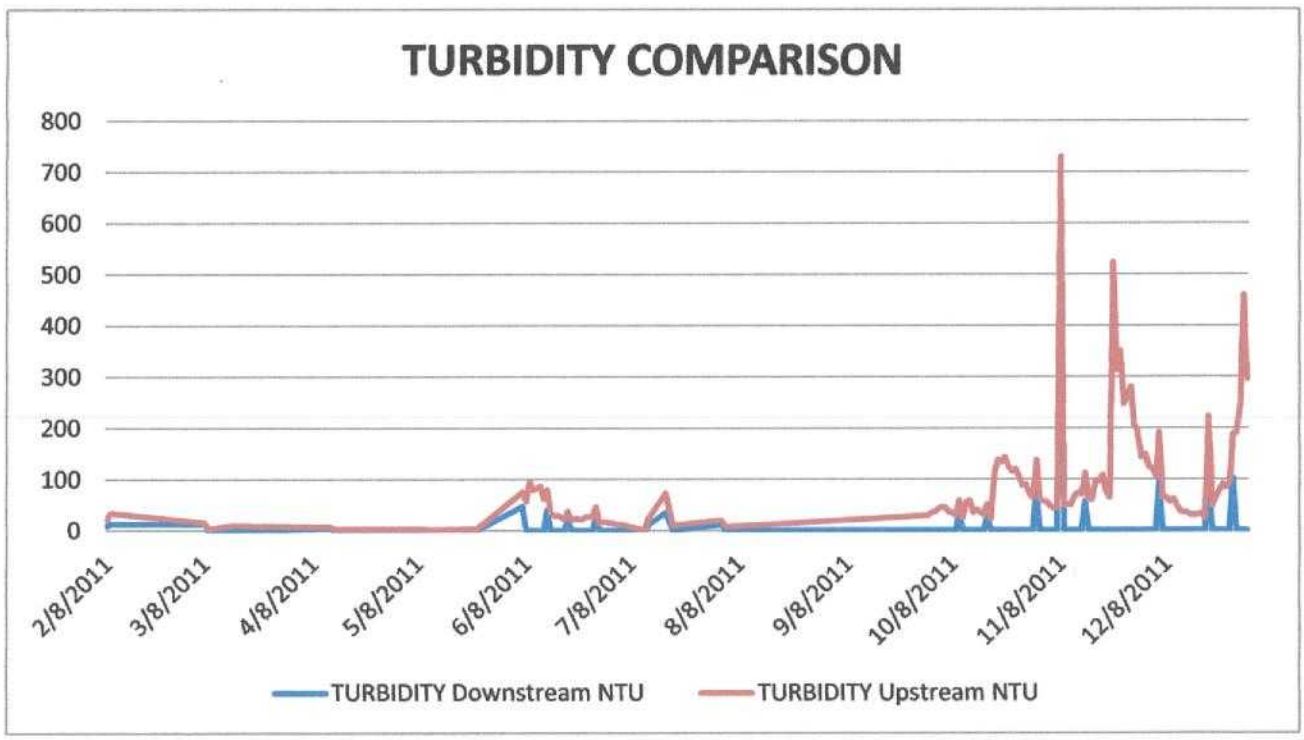
Month/Day	FLOWS						
	RIVER FLOW 1	END USERS		UPSTREAM OF OUTFALL	OUTFALL (001) DISCH - 3078	WDFW Return - Upstream of Outfall	DOWN-STREAM OF OUTFALL
Discharge Days	CFS	GAL PER DAY	CFS	CFS	CFS	CFS	CFS
July							
7/1/2011	3040.00	14,784,250	22.88	3017.12	0.74	0.00	3017.86
7/5/2011	2990.00	15,238,000	23.58	2966.42	0.19	0.00	2966.61
7/6/2011	3100.00	14,464,000	22.38	3077.62	0.11	0.00	3077.73
7/12/2011	2500.00	14,876,000	23.02	2476.98	2.74	0.00	2479.72
7/13/2011	2690.00	16,012,000	24.78	2665.22	1.78	0.00	2667.00
7/18/2011	2480.00	14,910,000	23.07	2456.93	0.20	0.00	2457.13
7/20/2011	2360.00	15,430,000	23.88	2336.12	0.08	0.00	2336.20
Average	2737.14	15,102,036	23.37	2713.77	0.83	0.00	2714.61
August							
8/2/2011	1960.00	15,872,000	24.56	1935.44	0.15	0.00	1935.60
8/3/2011	1910.00	14,911,000	23.07	1886.93	2.00	0.00	1888.93
8/4/2011	1930.00	15,288,000	23.66	1906.34	0.65	0.00	1906.99
Average	1933.33	15,357,000	23.76	1909.57	0.94	0.00	1910.51
September (No Disch)							
October							
10/1/2011	682.00	23,962,000	37.08	644.92	0.97	0.00	645.90
10/2/2011	634.00	25,857,000	40.01	593.99	1.07	0.00	595.06
10/3/2011	634.00	23,811,000	36.84	597.16	0.97	0.00	598.13
10/4/2011	978.00	24,178,000	37.41	940.59	1.08	0.00	941.67
10/5/2011	1100.00	18,818,000	29.12	1070.88	0.90	0.00	1071.78
10/6/2011	1140.00	24,939,000	38.59	1101.41	1.25	0.00	1102.66
10/7/2011	1140.00	18,747,000	29.01	1110.99	0.82	0.00	1111.81
10/8/2011	1140.00	22,169,000	34.30	1105.70	1.04	0.00	1106.73
10/9/2011	731.00	17,505,000	27.09	703.91	0.84	0.00	704.75
10/10/2011	655.00	21,881,000	33.86	621.14	1.01	0.29	622.44
10/11/2011	1110.00	28,450,000	44.02	1065.98	1.04	8.29	1075.30
10/12/2011	2660.00	26,968,000	41.73	2618.27	1.56	9.71	2629.54

Month/Day	FLOWS						
	RIVER FLOW 1	END USERS		UPSTREAM OF OUTFALL	OUTFALL (001) DISCH - 3078	WDFW Return - Upstream of Outfall	DOWN-STREAM OF OUTFALL
Discharge Days	CFS	GAL PER DAY	CFS	CFS	CFS	CFS	CFS
10/13/2011	1630.00	26,012,000	40.25	1589.75	1.51	8.77	1600.03
10/14/2011	1230.00	28,091,000	43.47	1186.53	1.08	10.23	1197.84
10/15/2011	1070.00	25,972,000	40.19	1029.81	1.05	9.93	1040.79
10/16/2011	913.00	24,525,000	37.95	875.05	1.01	9.14	885.20
10/17/2011	843.00	27,356,000	42.33	800.67	1.07	9.90	811.63
10/18/2011	835.00	27,753,000	42.94	792.06	1.02	9.08	802.16
10/19/2011	768.00	27,829,000	43.06	724.94	1.02	9.35	735.31
10/20/2011	724.00	29,585,000	45.78	678.22	1.08	9.49	688.79
10/21/2011	731.00	27,907,000	43.18	687.82	1.04	9.17	698.03
10/22/2011	913.00	27,797,000	43.01	869.99	1.04	8.92	879.95
10/23/2011	1370.00	28,000,000	43.33	1326.67	1.02	9.08	1336.77
10/24/2011	945.00	22,892,000	35.42	909.58	1.02	9.33	919.93
10/25/2011	866.00	15,943,000	24.67	841.33	0.97	9.45	851.76
10/26/2011	783.00	24,178,000	37.41	745.59	1.04	6.19	752.82
10/27/2011	789.00	30,245,000	46.80	742.20	1.04	9.82	753.05
10/28/2011	668.00	28,944,000	44.79	623.21	1.05	9.54	633.81
10/29/2011	1060.00	29,536,000	45.70	1014.30	1.07	10.29	1025.65
10/30/2011	790.00	26,832,000	41.52	748.48	0.99	8.88	758.35
10/31/2011	961.00	26,066,000	40.33	920.67	1.05	8.02	929.74
Average	983.65	25,249,935	39.07	944.58	1.06	6.22	951.85
November							
11/1/2011	812.00	24,585,000	38.04	773.96	0.97	7.48	782.41
11/2/2011	739.00	26,182,000	40.51	698.49	2.21	7.87	708.57
11/3/2011	746.00	24,865,000	38.47	707.53	1.02	8.04	716.59
11/4/2011	696.00	25,981,000	40.20	655.80	1.05	7.92	664.77
11/5/2011	661.00	25,343,000	39.21	621.79	1.13	8.59	631.51
11/6/2011	628.00	23,806,000	36.84	591.16	0.97	6.85	598.99
11/7/2011	601.00	25,837,000	39.98	561.02	1.04	7.47	569.53
11/8/2011	582.00	23,794,000	36.82	545.18	0.99	6.96	553.13

Month/Day	FLOWS						
	RIVER FLOW 1	END USERS		UPSTREAM OF OUTFALL	OUTFALL (001) DISCH - 3078	WDFW Return - Upstream of Outfall	DOWN-STREAM OF OUTFALL
Discharge Days	CFS	GAL PER DAY	CFS	CFS	CFS	CFS	CFS
11/9/2011	575.00	25,800,000	39.92	535.08	1.05	7.25	543.38
11/10/2011	601.00	25,265,000	39.09	561.91	0.99	7.02	569.92
11/11/2011	582.00	25,660,000	39.70	542.30	1.04	6.76	550.09
11/12/2011	882.00	25,882,000	40.05	841.95	1.11	7.03	850.10
11/13/2011	768.00	22,673,000	35.08	732.92	0.96	6.14	740.02
11/14/2011	710.00	22,820,000	35.31	674.69	0.96	5.66	681.31
11/15/2011	655.00	21,471,000	33.22	621.78	0.87	5.59	628.23
11/16/2011	614.00	20,246,000	31.33	582.67	1.02	5.74	589.43
11/17/2011	797.00	18,584,000	28.76	768.24	0.99	6.22	775.46
11/18/2011	1020.00	23,337,000	36.11	983.89	0.97	6.35	991.21
11/19/2011	812.00	26,023,000	40.27	771.73	1.07	6.90	779.70
11/20/2011	710.00	22,152,000	34.28	675.72	0.90	5.60	682.22
11/21/2011	696.00	24,145,000	37.36	658.64	0.90	8.56	668.09
11/22/2011	1650.00	22,168,000	34.30	1615.70	0.93	5.00	1621.62
11/23/2011	9600.00	24,241,000	37.51	9562.49	1.93	8.60	9573.03
11/24/2011	3580.00	26,286,000	40.67	3539.33	2.15	10.84	3552.32
11/25/2011	2590.00	26,919,000	41.65	2548.35	2.34	11.77	2562.45
11/26/2011	1860.00	16,106,000	24.92	1835.08	2.27	3.69	1841.05
11/27/2011	5040.00	18,185,000	28.14	5011.86	2.04	0.00	5013.90
11/28/2011	4780.00	24,002,000	37.14	4742.86	2.03	7.43	4752.32
11/29/2011	3050.00	25,808,000	39.93	3010.07	2.15	9.71	3021.92
11/30/2011	2320.00	29,493,000	45.64	2274.36	2.18	9.71	2286.26
Average	1645.23	23921966.67	37.02	1608.22	1.34	7.09	1616.65
December							
12/1/2011	2020.00	31,651,000	48.97	1971.03	1.30	8.94	1981.26
12/2/2011	1800.00	20,402,000	31.57	1768.43	2.14	0.00	1770.57
12/3/2011	1600.00	28,050,000	43.40	1556.60	2.46	11.10	1570.16
12/4/2011	1390.00	24,254,000	37.53	1352.47	2.13	9.66	1364.26
12/5/2011	1290.00	25,094,000	38.83	1251.17	2.13	9.69	1262.99

Month/Day	FLOWS						
	RIVER FLOW 1	END USERS		UPSTREAM OF OUTFALL	OUTFALL (001) DISCH - 3078	WDFW Return - Upstream of Outfall	DOWN-STREAM OF OUTFALL
Discharge Days	CFS	GAL PER DAY	CFS	CFS	CFS	CFS	CFS
12/6/2011	1200.00	26,757,000	41.40	1158.60	2.01	9.35	1169.96
12/7/2011	1550.00	26,510,000	41.02	1508.98	2.17	9.75	1520.90
12/8/2011	1050.00	22,409,000	34.67	1015.33	2.13	9.64	1027.10
12/9/2011	1010.00	23,012,000	35.61	974.39	1.48	10.80	986.67
12/10/2011	970.00	23,635,000	36.57	933.43	1.05	9.90	944.38
12/11/2011	929.00	21,114,000	32.67	896.33	0.93	8.77	906.03
12/12/2011	889.00	23,311,000	36.07	852.93	1.04	9.83	863.81
12/13/2011	843.00	23,580,000	36.49	806.51	1.04	9.68	817.23
12/14/2011	820.00	17,288,000	26.75	793.25	1.04	9.76	804.05
12/15/2011	790.00	22,347,000	34.58	755.42	1.01	9.51	765.94
12/16/2011	760.00	28,197,000	43.63	716.37	1.18	11.06	728.61
12/17/2011	731.00	24,475,000	37.87	693.13	1.00	9.47	703.60
12/18/2011	760.00	24,722,300	38.25	721.75	1.01	9.45	732.20
12/19/2011	731.00	24,086,000	37.27	693.73	0.72	9.17	703.62
12/20/2011	703.00	25,672,000	39.72	663.28	1.04	9.86	674.18
12/21/2011	696.00	25,517,000	39.48	656.52	1.03	9.66	667.21
12/22/2011	655.00	25,707,000	39.78	615.22	1.96	9.78	626.97
12/23/2011	641.00	24,598,000	38.06	602.94	1.16	9.52	613.62
12/24/2011	628.00	25,546,000	39.53	588.47	1.12	9.45	599.04
12/25/2011	668.00	21,262,000	32.90	635.10	0.88	9.45	645.43
12/26/2011	724.00	25,837,000	39.98	684.02	0.23	9.45	693.71
12/27/2011	682.00	23,585,000	36.49	645.51	1.02	9.66	656.19
12/28/2011	3040.00	18,270,000	28.27	3011.73	1.04	10.88	3023.65
12/29/2011	4750.00	25,866,000	40.02	4709.98	1.08	11.42	4722.48
12/30/2011	3350.00	25,520,000	39.49	3310.51	1.00	10.65	3322.16
12/31/2011	2360.00	25,170,000	38.95	2321.05	1.02	10.77	2332.84
Average	1291.29	24304654.84	37.61	1253.68	1.31	9.55	1264.54

Attachment B

Comparisons of Influent and Downstream Suspended Solids and Turbidity

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