NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

RECEIVED NOV 12 2013 U.S. EPA REGION 10 OFFICE OF COMPLIANCE AND ENFORCEMENT

PERMITTEE NAME/ADDRESS

NAME:	US Department of Interior Bureau of Reclamation
ADDRESS:	826 E FRONT STREET, SUITE A PORT ANGELES, WA. 98362-3613
FACILITY:	ELWHA WATER TREATMENT PLANT
LOCATION:	Elwha River/ Lat: 48°10'10"N./Long:123°33'7"W
ATTN:	DAVID F ADKINS, USBR CIVIL ENG

WA-0026662	*001 A
PERMIT NUMBER	DISCHARGE NUMBER

Minor (SUBR SW) F-Final
Sliurry Discharge Effluent
Sedimentation Plant
(non-wastewater)

MONITORING PERIOD							
	Year	Mo	Day		Year	Mo	Day
From	2013	10	1	To	2013	10	31

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Water Temperature Effluent 00010 1 0 0	Sample Measurement	******	******		******	8.4	12.0	Deg. C	0	Daily	Grab
	Permit Requirement	******	******		******	Report	Report		******	5/Week	Grab
Water Temperature Influent 00010 7 0 0	Sample Measurement	******	******		******	8.9	13.6	Deg. C	0	Daily	Grab
	Permit Requirement	******	******		******	Report	Report		******	5/Week	Grab
Flow Rate Effluent 00056 1 0 0	Sample Measurement	17.8	20.8		******	******	******		0	Continous	Recording
	Permit Requirement	Report	Report	CFS	******	******	******		******	Continous	Recording
Flow Rate Influent 00056 7 0 0	Sample Measurement	45.0	56.5		******	******	******		0	Continous	Recording
	Permit Requirement	Report	Report	CFS	******	******	******		******	Continous	Recording
Turbidity Influent 00070 7 0 0	Sample Measurement	******	******		******	328.2	1545.0	NTU	0	Continous	Recording
	Permit Requirement	******	******		******	Report	Report		******	Continous	Recording
Total Suspended Solids Daily Average Influent Turbidity > 50 NTU Influent 00150 P 0 0 See Comments Below	Sample Measurement	133,608	602,283	Lb/Day	******	502.0	2155.0	mg/L	0	Daily	24-Hr Composite
	Permit Requirement	Report	See I.B.3 & I.B.4		******	Report	Report		******	Daily	24-Hr Composite
Dissolved Oxygen Influent 00300 7 0 0	Sample Measurement	******	******		******	13.8	14.7	mg/L	0	Daily	Grab
	Permit Requirement	******	******		******	Report	Report		******	1/Month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Tom Hubbard	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.		503	582-9655	2013	11	2
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	Area Code	Number	Year	Mo	Day

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) 0 = Daily Avg. Influent From River Turbidity >50 NTU: P = Daily Avg. From River Turbudity <50

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

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ATTN:	DAVID F ADKINS, USBR CIVIL ENG

MONITORING PERIOD							
	Year	Mo	Day		Year	Mo	Day
From	2013	10	1	To	2013	10	31

Sedimentation Plant
(non-wastewater)

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
BOD, 5-Day Effluent 00310 1 0 0	Sample Measurement	******	******		******	1.0	1.0	mg/L	0	1/ Month	Comp
	Permit Requirement	******	******		******	Report	Report		******	1/ Month	24- Hr Composite
PH Effluent 00400 1 0 0	Sample Measurement	******	******		******	7.5	7.7	SU	0	Daily	Grab
	Permit Requirement	******	******		******	6.5 - 8.5	8.5		******	5/Week	Grab
PH Influent 00400 7 0 0	Sample Measurement	******	******		******	7.5	7.8	SU	0	Daily	Grab
	Permit Requirement	******	******		******	6.5 - 8.5	8.5		******	5/Week	Grab
Total Alkalinity (As CAC03) Effluent 00410 1 0 0	Sample Measurement	******	******		******	44.8	50.0	mg/L as $CaCo_3$	0	Daily	Comp
	Permit Requirement	******	******		******	Report	Report		******	1/Month	24-Hr Comp
Total Solids Suspended Effluent 00530 0 0 0 Daily Average Influent Turbidity > 50 NTU See Comments Below	Sample Measurement	215,233	1,583,035		******	2,194.6	17,240.0	mg/L	0	Daily	24-Hr Comp
	Permit Requirement	489,664	3,719,343	Lb/Day	******	Report	Report		******	Daily	24- Hr Composite
Total Suspended Solids Effluent 00530 P 0 0 Daily Average Influent Turbidity < 50 NTU See Comments Below	Sample Measurement	22	22	#/CFS River	******	473.00	474.00	mg/L	8	See attached data report	Comp
	Permit Requirement	Report	22		******	Report	Report		******	Daily	24- Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Tom Hubbard		503	582-9655	2013	11	2
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	Year	Mo	Day

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Total Suspended Solids Effluent 00530 P 0 0 Daily Average Influent Turbidity < 50 NTU: Decreasing river flows and drop in turbidity resulted in pounds per river CFS more than allowed. Operations staff do not have the ability to control the river flows or the amount of TSS discharged when the river turbidity fluctuates from above 50 NTU to below 50 NTU.

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From	Year	Mo	Day	To	Year	Mo	Day
	2013	10	1		2013	10	31

Sedimentation Plant
(non-wastewater)

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U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Total Suspended Solids Influent 00530 7 0 0 Daily Average Influent Turbidity < 50 NTU See Comments Below	Sample Measurement	21	24	Lb/CFS River	******	70.00	87.20	mg/L	0	Day of Discharge	Comp
	Permit Requirement	Report	Report		******	Report	Report		******	Daily	24-Hr Composite
Settleable Solids Effluent 00545 1 0 0	Sample Measurement	******	******		******	4.6	4.6	ml/L	0	1/Month	Comp
	Permit Requirement	******	******		******	Report	Report		******	1/Month	24-Hr Composite
Settleable Solids Influent 00545 7 0 0	Sample Measurement	******	******		******	<1	<1	ml/L	0	1/Month	Comp
	Permit Requirement	******	******		******	Report	Report		******	1/Month	24-Hr Composite
Aluminum, Total (As AL) Effluent 01105 1 0 0	Sample Measurement	30.1	931.6	lb/Day	******	8.7	8.7	mg/L	0	1/Month	Comp
	Permit Requirement	Report	Report		******	Report	Report		******	1/Month	24-Hr Composite
Aluminum, Total (As AL) Influent 01105 7 0 0	Sample Measurement	24.5	758.0	lb/Day	******	3.3	3.3	mg/L	0	1/Month	Comp
	Permit Requirement	Report	Report		******	Report	Report		******	1/Month	24-Hr Composite
Fecal Coliform Effluent 31625 1 0 0	Sample Measurement	******	******		******	3	3		0	10/ Month	Grab
	Permit Requirement	******	******		******	Report	Report	#/100 ML	******	10/ Month	Grab
Fecal Coliform Influent 31625 7 0 0	Sample Measurement	******	******		******	3.5	5		0	10/ Month	Grab
	Permit Requirement	******	******		******	Report	Report	#/100 ML	******	10/ Month	Grab

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	Year	Mo	Day		Year	Mo	Day
From	2013	10	1	To	2013	10	31

Sedimentation Plant
(non-wastewater)

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average Monthly	Maximum Daily	UNITS	Minimum	Average Monthly	Maximum Daily	UNITS			
Total Dissolved Solids Effluent 70295 1 0 0	Sample Measurement	******	******		******	50.0	50.0	mg/L	0	4/Month	Comp
	Permit Requirement	******	******		******	Report	Report		******	1/Month	24-Hr Composite
Total Dissolved Solids Influent 70295 7 0 0	Sample Measurement	******	******		******	62.0	62.0	mg/L	0	4/Month	Comp
	Permit Requirement	******	******		******	Report	Report		******	1/Month	24-Hr Composite

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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November 2, 2013

US EPA Region 10
Director, Office of Compliance & Enforcement
1200 Sixth Avenue, OCE-133
Seattle, Washington 98101

RE: NPDES # WA-002666-2, MONTHLY REPORT – October, 2013 - ELWHA WATER TREATMENT PLANT

Attn: PCS Data Entry Team

Enclosed is the monthly Discharge Monitoring Report (DMR) for the Elwha Water Treatment Plant (Port Angeles, WA), for the month of October, 2013. The report is being submitted by Veolia Water North America (VWNA) Operating Services on behalf of the US Department of Interior, Bureau of Reclamation. A copy has been submitted to the Washington DOE.

Please contact me if you have any questions or comments regarding the enclosed report.

Sincerely,

Tom Hubbard
Project Manager

CC: Tracy Gilchrist, NPS

Enclosures:

- DMR, October, 2013; EPA Form 3320-1 (4 pages)
- Table of values & mass limits for turbidity over and under 50 NTU

ELWHA NPDES REPORTING - SLURRY DISCHARGE - WA-002666-2

Oct-13

INFLUENT TURBIDITY LESS THAN 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent 3000		flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	TSS Effluent Mass_Calc	TSS Influent CFS River calc	TSS Effluent CFS River calc
	NTU	MGD	CFS	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	Lbs/CFS	Lbs/CFS
10/28/2013	49.9	18.90	29.3	3.20	5.0	564.0	87.20	13,748	474.00	12,650	24	22
10/30/2013	44.8	20.40	31.6	2.90	4.5	527.0	52.80	8,985	472.00	11,416	17	22
DAILY MAX	49.9	20.40	31.6	3.20	5.0	564.0	87.20	13747.90	474.00	12650.11	24	22
AVERAGE	47.4	19.65	30.4	3.05	4.7	545.5	70.00	11366.42	473.00	12032.95	21	22

Note:

ELWHA_October 2013 - WA-002666-2

INFLUENT TURBIDITY ABOVE 50 NTU

Day	Influent Turbidity - 13	Flow, Daily, Influent 3000		flow/daily, at outfall 3078	flow/daily at outfall cal	River Flow, 1	TSS Influent, 8	TSS Influent Mass_Calc	TSS Effluent 5002	TSS Effluent Mass_Calc	Mass NTE Limit_calc
	NTU	MGD	CFS	MGD	CFS	CFS	mg/L	Lbs/Day	mg/L	Lbs/Day	lbs/day
10/1/2013	1545	33.51	51.85	11.01	17.04	3010	2155	602,283	17240	1,583,035	3,719,343
10/2/2013	1428	32.50	50.29	11.31	17.50	2520	1724	467,290	13124	1,237,927	2,524,026
10/3/2013	752	33.61	52.01	11.19	17.31	1940	1136	318,429	6708	626,021	1,306,124
10/4/2013	672	35.69	55.22	12.93	20.01	1590	1036	308,370	4006	431,992	1,011,801
10/5/2013	596	36.53	56.52	13.29	20.56	1470	868	264,416	2384	264,239	794,331
10/6/2013	394	35.38	54.74	12.92	19.99	1490	656	193,565	1876	202,144	605,193
10/7/2013	409	36.06	55.80	13.06	20.21	1710	746	224,359	1750	190,611	777,801
10/8/2013	339	36.03	55.75	13.44	20.80	1490	462	138,834	1420	159,167	428,411
10/9/2013	316	35.58	55.05	13.34	20.64	1210	288	85,451	1468	163,323	223,253
10/10/2013	256	36.17	55.97	13.31	20.60	1100	374	112,832	1062	117,888	267,601
10/11/2013	168	30.08	46.55	13.29	20.56	1030	202	50,677	697	77,255	136,861
10/12/2013	137	29.24	45.24	12.81	19.82	960	138.5	33,773	398	42,520	87,995
10/13/2013	83.5	28.93	44.76	13.45	20.81	901	124	29,918	334	37,466	75,557
10/14/2013	66.5	26.67	41.26	12.37	19.14	855	95	21,127	108	11,142	54,590
10/15/2013	66.4	27.59	42.69	13.18	20.39	819	77.5	17,833	188	20,665	43,600
10/16/2013	58.4	27.95	43.25	13.43	20.78	797	64	14,920	146	16,353	35,391
10/17/2013	52.1	25.35	39.22	12.4	19.19	761	103.75	21,931	249	25,751	54,380
10/18/2013	66.2	27.54	42.62	12.84	19.87	727	551	126,569	1035	110,834	280,900
10/19/2013	957	26.49	40.99	12.84	19.87	701	954	210,748	2392	256,149	472,955
10/20/2013	455	26.61	41.18	12.78	19.77	679	855	189,762	1926	205,283	413,249
10/21/2013	348	27.44	42.46	12.9	19.96	666	383	87,643	997	107,263	182,847
10/22/2013	184	27.48	42.52	12.79	19.79	663	561	128,558	1026	109,442	266,354
10/23/2013	308	28.50	44.09	13.02	20.15	649	332	78,899	834	90,561	155,815
10/24/2013	105	28.89	44.69	13.07	20.22	630	191	46,012	425	46,327	87,768
10/25/2013	90.8	27.17	42.03	12.85	19.88	611	129.5	29,339	297	31,829	57,919
10/26/2013	68.9	28.14	43.55	12.89	19.95	590	109.4	25,677	271	29,133	47,729
10/27/2013	51.9	27.43	42.44	13.03	20.16	585	84.8	19,398	202.3	21,984	36,876
10/29/2013	51.4	21.72	33.60	2.82	4.36	542	60.4	10,940	526.5	12,383	19,233
10/31/2013	53.2	18.51	28.64	2.83	4.38	566	97.6	15,068	554.3	13,083	32,352
DAILY MAX	**1,545.0**	**36.5**	**56.5**	**13.5**	**20.8**	**3,010.0**	**2,155.0**	**602,283.1**	**17,240.0**	**1,583,035.4**	**3,719,343.4**
AVERAGE	**347.5**	**29.8**	**46.0**	**12.1**	**18.7**	**1,078.0**	**502.0**	**133,607.7**	**2,194.6**	**215,233.4**	**489,664.0**