

MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska

May 2016

DAY	DATE	FLOWS				Influent											Effluent									
		SBR	SBR	SBR	SBR	TEMP	pH	D.O.	S.S.	S.S.	B.O.D.	B.O.D.	IPS	IPS	IPS	IPS	TEMP	pH	D.O.	S.S.	G.S.	B.O.D.	B.O.D.	Turbidity	FECAL	
		MGD	precip	MGD	MGD	°C		mg/L	mg/L	LBS	mg/L	LBS	mg/L	LBS	mg/L	LBS	°C		mg/L	mg/l	LBS	mg/L	LBS	on FC	COLIFORM	
SUN	1	2.03	0.88	1.92	0.0828																					
MON	2	2.83	1.00	2.62	0.0890	12.3	7.3	8.3	187	4414	250	5901	4200	99129	470	11093	13.3	7.0	4.1	16	350	15	328	6.2	1	
TUE	3	2.38	0.00	2.38	0.0914	12.1	7.3	7.6	167	3315	280	5558	1450	28781	360	7146	13.7	6.9	3.2	18	357	13	258	4.7	11	
WED	4	2.24	0.15	2.19	0.1261	14.1	7.4	6.3	260	4857	420	7846	1470	27462	680	12703	13.9	6.9	2.9	17	310	15	274			
THU	5	2.61	0.59	2.39	0.1145	13.5	7.3	7.1	220	4789	360	7836	405	8816	350	7619	14.0	6.9	3.1	18	359	18	359			
FRI	6	3.42	M	3.18	0.1311	12.1	7.4	7.6	165	4706	290	8272	450	12835	300	8557	13.4	6.8	3.5	17	451	21	557			
SAT	7	3.22	0.36	3.11	0.1181																					
SUN	8	2.69	T	2.59	0.0765																					
MON	9	2.69	0.04	2.46	0.0767	11.9	7.5	7.1	140	3141	190	4263	447	10028	460	10320	13.1	6.9	4.8	19	390	13	267	9.9	8	
TUE	10	2.56	0.02	2.39	0.0960	12.0	7.3	7.8	192	4099	310	6619	270	5765	320	6832	13.5	6.9	3.4	14	279	14	279	6.6	44	
WED	11	2.54	0.00	2.42	0.0940	13.1	7.1	0.04	336	7118	350	7414	590	12498	590	12498	13.0	6.9	3.2	15	303	15	303	7.7	46	
THU	12	2.50	0.00	2.33	0.1177	13.7	7.4	7.4	240	5004	370	7715	540	11259	440	9174	13.9	6.8	3.3	17	330	19	369			
FRI	13	2.26	0.00	1.90	0.0729	14.3	7.4	7.3	160	3016	260	4901					14.7	6.8	2.8	18	285	19	301			
SAT	14	2.23	0.00	1.93	0.1313																					
SUN	15	2.09	0.01	1.76	0.0973																					
MON	16	2.31	0.23	2.03	0.1086	13.4	7.5	6.5	160	3082	300	5780	560	10789	900	17339	14.3	6.8	3.2	23	389	16	271	4.7	2	
TUE	17	2.20	0.23	1.88	0.0891	13.1	7.6	6.5	167	3064	320	5871	327	6000	410	7523	14.7	6.9	2.5	12	188	13	204	4.9	18	
WED	18	2.17	0.05	1.89	0.0953	14.4	7.4	6.3	240	4343	400	7239	470	8506	740	13392	14.6	6.9	2.8	15	236	15	236			
THU	19	2.08	0.00	1.82	0.0985	15.0	7.2	5.3	273	4736	530	9194	480	8327	665	11536	13.7	6.9	3.0	19	288	16	243			
FRI	20	2.11	0.00	1.79	0.1083	14.0	7.3	6.5	247	4347	470	8271	430	7567	650	11438	15.1	6.9	3.4	18	269	18	269			
SAT	21	2.01	0.00	1.73	0.1179																					
SUN	22	1.94	0.00	1.65	0.0925																					
MON	23	2.13	T	1.79	0.1229	13.3	7.6	6.3	200	3553	320	5685	405	7195	730	12968	14.9	6.8	2.9	17	254	17	254	7.5	5	
TUE	24	2.00	T	1.69	0.1234	13.5	7.2	6.7	225	3753	380	6338	335	5588	460	7673	15.0	6.9	2.8	17	240	27	381	8.0	8	
WED	25	2.15	0.04	1.76	0.1507	15.4	7.3	6.2	280	5021	480	8607	470	8428	620	11117	15.0	6.8	2.8	23	338	19	279			
THU	26	2.09	0.01	1.65	0.1723	14.3	7.1	5.8	300	5229	440	7669	440	7669	450	7844	15.3	6.8	2.9	1	14	20	275			
FRI	27	2.00	0.00	1.67	0.1609	15.6	7.2	5.3	315	5254	480	8006	475	7923	530	8840	15.4	6.8	2.8	20	279	21	292			
SAT	28	1.95	0.00	1.56	0.1170																					
SUN	29	1.92	0.02	1.49	0.1023																					
MON	30	2.15	0.18	1.68	0.1236	14.1	7.3	3.9	405	7262	370	6634	395	7083	540	9683	15.3	6.8	2.9	14	196	19	266	7.3	3	
TUE	31	2.03	T	1.64	0.1096	14.1	7.6	6.3	260	4402	310	5248	815	13795	490	8296	15.9	6.8	2.9	15	205	17	233	5.3	2	
TOTAL		71.53	3.81	63.29	3.408																					
MAXIMUM		3.42	1.00	3.18	0.17	15.6	7.6	8.3	405	7262	530	9194	4200	99129	900	17339	15.9	7.0	4.8	23	451	27	557	9.9	46	
MINIMUM		1.92	0.00	1.49	0.07	11.9	7.1	0.04	140	3016	190	4263	270	5588	300	6832	13.0	6.8	2.5	1	14	13	204	4.7	1	
AVERAGE *		2.31	0.15	2.04	0.11	13.6		6.3	234	4477	358	6858	734	15021	531	10171	14.4		3.1	17	287	17	295	6.6	7	
Number of Analyses		31	26	31	31	22	22	22	22	22	22	22	21	21	21	21	22	22	22	22	22	22	22	11	11	

Grey Areas not included in wkly averages!

5/13/2016 No IPS SX

Hrd. mg/l	ND
Hrd. mg/l	
Alk. mg/l	
Tox. TUc	NA

2016	2016 Metals		5/11/2016	% REMOVAL	
	ug/L (ppm)	LBS		B.O.D.	S.S.
Copper	ND	ND	5/11/2016	95	
Copper	ND	ND	5/11/2017	93	
Lead	ND	ND	5/11/2018		Floating Solids
Silver	ND	ND	5/11/2019		Waste, or Foam
Zinc	3.2	0.05	5/11/2020		Pass/Fail
NH3 mg/L	13.0	262	5/11/2021		P

WEEK	WEEKLY AVERAGE				WEEKLY
	BOD		TSS		COLIFORM
	mg/l	lbs	mg/l	lbs	Geo. Mean
1	16	355	17	365	3
2	16	304	17	317	25
3	16	245	17	274	6
4	21	296	16	225	6
MAX	21	355	17	365	25

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Samantha Stoughtenger
 MAILING ADDRESS: 2009 Radcliffe Rd.
 Juneau, AK 99801

FACILITY: MENDENHALL WW TREATMENT FACILITY
 LOCATION: 2009 RADCLIFFE RD
 Juneau, AK 99801

PERMIT NUMBER: AK0022951

MONITORING PERIOD: 5/1/2016


TO 5/31/2016

OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

NO DISCHARGE:

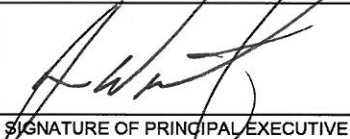
Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Temperature (C) 1 - Final Effluent 00010	Sample meas.	*****	*****		*****	14.4	15.9		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		2.5	*****	4.8		0		
	Permit reqmt.	*****	*****		Report daily minimum	*****	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	295	557		*****	17	27		0		
	Permit reqmt.	1226 monthly average	2452 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) G - Influent 00310	Sample meas.	*****	*****		*****	358	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	355	*****		*****	21	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER



 TYPED OR PRINTED

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.


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE
907. 586. 0393	16/6/15
AREA NUMBER	Y M D

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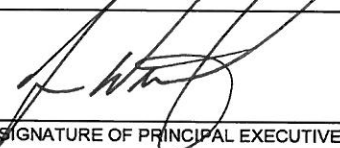
OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
pH 1 - Final Effluent 00400	Sample meas.	*****	*****		6.8	*****	7.0		0		
	Permit reqmt.	*****	*****		6.5 instantaneous minimum	*****	8.5 instantaneous maximum	S.U.		5X Weekly	Grab
Total Suspended Solids 1 - Final Effluent 00530	Sample meas.	287	451		*****	17	23		0		
	Permit reqmt.	1226 monthly average	2452 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids G - Influent 00530	Sample meas.	*****	*****		*****	234	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	365	*****		*****	17	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite
Ammonia Nitrogen (as N) 1 - Final Effluent 00610	Sample meas.	*****	*****		*****	13	13		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Monthly	24-Hr Composite

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MONITORING PERIOD: 5/1/2016

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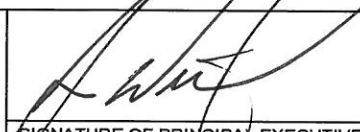
OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

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Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Hardness, Total (as CaCO3) 1 - Final Effluent 00900	Sample meas.	*****	*****		*****	ND	ND		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Monthly	24-Hr Composite
Silver Total Recoverable 1 - Final Effluent 01079	Sample meas.	*****	*****		*****	ND	ND		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		See Permit Requirements	24-Hr Composite
Zinc Total Recoverable 1 - Final Effluent 01094	Sample meas.	*****	*****		*****	3.2	3.2		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		See Permit Requirements	24-Hr Composite
Lead Total Recoverable 1 - Final Effluent 01114	Sample meas.	*****	*****		*****	ND	ND		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		See Permit Requirements	24-Hr Composite
Copper Total Recoverable 1 - Final Effluent 01119	Sample meas.	ND	ND		*****	ND	ND		0		
	Permit reqmt.	1.82 monthly average	3.92 daily maximum	lbs/day	*****	44.5 monthly average	95.8 daily maximum	ug/l		Monthly	24-Hr Composite

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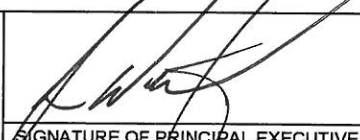
OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Chronic Toxicity 1 - Final Effluent TTOOO	Sample meas.	*****	*****		*****	NA	NA		NA		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	TUC		See Permit Requirements	24-Hr Composite
Floating solids, waste or visible foam-visual 1 - Final Effluent 45613	Sample meas.	*****	*****		*****	*****	P		P		
	Permit reqmt.	*****	*****		*****	*****	Report value	pass/fail		Monthly	Visual
Flow 1 - Final Effluent 50050	Sample meas.	2.04	3.18		*****	*****	*****		0		
	Permit reqmt.	Report monthly average	4.9 daily maximum	MGD	*****	*****	*****			Continuous	Recorded
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	7	46		0		
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Weekly	Grab
Fecal Coliform W - See Comments 74055	Sample meas.	*****	*****		*****	25	*****		0		
	Permit reqmt.	*****	*****		*****	400 weekly geometric mean	*****	cts/100 ml		Weekly	Grab

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NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
BOD5 Minimum % Removal	Sample meas.	*****	*****		95	*****	*****		0		
K - Percent Removal 81010	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal	Sample meas.	*****	*****		93	*****	*****		0		
K - Percent Removal 81011	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation

COMMENTS:
 W = Weekly Limits;

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617

Attach an explanation of any violations. Reference all attachments below.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <div style="text-align: center; font-family: cursive; font-size: 1.2em;">Jim Westcott</div>	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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE 907-586-0893	DATE 16/6/15
TYPED OR PRINTED		OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y M D