

MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska December 2014

DAY	DATE	FLOWS				INFLUENT										EFFLUENT									
		SBR INFLUENT MGD	precip	SBR ToT EFF MGD	SBR WASTE MGD	TEMP °C	pH	DO mg/L	TSS mg/L	TSS LBS	BOD mg/L	BOD LBS	IPS TSS mg/L	IPS TSS LBS	IPS BOD mg/L	IPS BOD LBS	TEMP °C	pH	DO mg/L	TSS mg/L	TSS LBS	BOD mg/L	BOD LBS	FECAL COLIFORM /100 ml	
SUN	30	1.73	0.58	1.64	0.05																				
MON	1	1.86	0.05	1.76	0.09	12.30	7.50	3.00	178.00	2761.21	240.00	3722.98	996.00	15450.35	370.00	5739.59	11.30	7.00	2.70	14.00	205.50	18.00	264.21	3.30	
TUE	2	1.81	0.40	1.72	0.08	12.70	7.00	3.00	196.00	2958.70	310.00	4679.57	644.00	9721.44	530.00	8000.56	13.20	7.00	2.70	14.00	200.83	17.00	243.86	2.00	
WED	3	1.89	0.01	1.79	0.08	12.10	7.47	3.30	200.00	3152.52	370.00	5832.16	864.00	13618.89	490.00	7723.67	12.90	7.00	2.90	13.00	194.07	18.00	268.71		
THU	4	1.74	0.00	1.71	0.07	12.30	7.41	2.40	220.00	3192.55	420.00	6094.87	728.00	10564.44	620.00	8997.19	13.50	6.90	2.70	16.00	228.18	18.00	256.71		
FRI	5	1.70	0.00	1.75	0.07	11.80	7.46	3.00	292.00	4139.98	580.00	8223.24					13.00	7.00	2.50	22.00	321.09	26.00	379.47		
SAT	6	1.83	0.13	1.74	0.09																				
SUN	7	1.73	0.04	1.58	0.07																				
MON	8	1.74	0.32	1.76	0.09	12.40	7.51	3.20	184.00	2670.13	320.00	4643.71	624.00	9055.24	450.00	6530.22	14.00	7.00	3.70	16.00	234.85	23.00	337.60	1.00	
TUE	9	1.95	0.52	1.96	0.09	12.00	7.52	3.20	204.00	3317.65	370.00	6017.31					13.80	6.90	2.30	18.00	294.24	22.00	359.62	15.00	
WED	10	1.92	0.10	2.00	0.08	11.70	7.43	3.20	176.00	2818.25	350.00	5604.48	1140.00	18254.59	510.00	8166.53	12.60	7.00	3.40	17.00	283.56	22.00	366.96		
THU	11	1.78	0.15	1.60	0.08	11.80	7.57	3.70	204.00	3028.42	330.00	4898.92	504.00	7481.98	390.00	5789.63	13.40	6.90	2.20	16.00	213.50	20.00	266.88		
FRI	12	1.78	0.16	1.78	0.07	11.40	7.36	3.60	164.00	2434.61	280.00	4156.66	2490.00	36964.55	620.00	9204.02	15.70	7.00	4.40	17.00	252.37	20.00	296.90		
SAT	13	1.90	0.02	1.81	0.09																				
SUN	14	1.76	0.00	1.73	0.08																				
MON	15	1.81	0.00	1.80	0.09	11.10	9.08	3.93	196.00	2958.70	240.00	3622.90	3140.00	47399.56	490.00	7396.75	13.00	7.01	2.76	16.00	240.19	18.00	270.22	5.00	
TUE	16	2.01	0.25	1.95	0.08	11.90	7.00	3.59	204.00	3419.73	310.00	5196.65	1540.00	25815.64	500.00	8381.70	13.10	7.03	2.90	16.00	260.21	19.00	309.00	10.00	
WED	17	1.92	0.00	1.89	0.09	11.60	7.32	3.54	276.00	4419.53	380.00	6084.86					12.60	6.85	2.58	16.00	252.20	22.00	346.78		
THU	18	1.88	0.00	1.81	0.11	11.20	7.50	3.16	528.00	8278.62	390.00	6114.89	1940.00	30417.65	420.00	6585.26	12.90	6.90	2.86	18.00	271.72	19.00	286.81		
FRI	19	1.78	0.02	1.73	0.08	11.20	7.48	3.47	228.00	3384.71	330.00	4898.92	1690.00	25088.39	540.00	8016.41	14.10	7.11	4.15	23.00	331.85	21.00	302.99		
SAT	20	1.86	0.02	1.79	0.89																				
SUN	21	1.78	0.15	1.62	0.07																				
MON	22	1.99	0.35	1.84	0.10	10.60	7.55	3.41	185.00	3070.37	300.00	4978.98	792.00	13144.51	470.00	7800.40	13.30	7.01	3.08	19.00	291.57	19.00	291.57	75.00	
TUE	23	1.90	0.00	1.83	0.10	11.50	7.51	4.41	176.00	2788.90	250.00	3961.50	816.00	12930.34	440.00	6972.24	13.20	7.07	2.86	18.00	274.72	19.00	289.98	1.00	
WED	24	1.70	0.01	1.68	0.07	10.40	7.44	4.40									12.30	7.04	2.99						
THU	25	1.84	0.19	1.83	0.08	11.70	7.58	4.42									12.10	7.06	2.89						
FRI	26	1.70	0.13	1.68	0.07	12.10	7.59	3.96									12.70	6.95	2.72						
SAT	27	1.76	0.00	1.74	0.07																				
SUN	28	1.71	0.00	1.59	0.08																				
MON	29	1.83	0.00	1.78	0.09	10.40	8.29	3.88	192.00	2930.34	260.00	3968.17	540.00	8241.59	380.00	5799.64	12.00	6.99	3.14	17.00	252.37	22.00	326.59	6.60	
TUE	30	1.87	0.00	1.79	0.06	10.70	7.33	3.90	196.00	3056.78	370.00	5770.45	1180.00	18403.04	690.00	10761.10	12.10	6.97	3.02	15.00	223.93	23.00	343.36	4.00	
WED	31	1.90	0.00	1.77	0.09	10.90	7.53	3.67	188.00	2979.05	410.00	6496.86	472.00	7479.31	630.00	9982.98	12.70	6.86	2.87	20.00	295.24	26.00	383.81		
TOTAL		56.63	3.02	54.81	3.35																				
MAXIMUM		2.01	0.52	2.00	0.89	12.70	9.08	4.42	528.00	8278.62	580.00	8223.24	3140.00	47399.56	690.00	10761.10	15.70	7.11	4.40	23.00	331.85	26.00	383.81	75.00	
MINIMUM		1.70	0.00	1.58	0.06	10.40	7.00	2.40	164.00	2434.61	240.00	3622.90	472.00	7479.31	370.00	5739.59	11.30	6.85	2.20	13.00	194.07	17.00	243.86	1.00	
AVERAGE *		1.83	0.10	1.77	0.11	11.56		3.54	219.35	3388.04	340.50	5248.40	1182.35	18237.15	502.35	7755.76	13.02	2.97	17.05	256.11	20.60	309.60	5.00		
umber of Analyse		32	32	32	32	23	23	23	20	20	20	20	17	17	17	17	23	23	23	20	20	20	20	10	0

Comments:

2014		2014	
Hrd. mg/l	70.00	ug/L	LBS
Hrd. mg/l		Copper	23.00 0.36
Alk. mg/l	150.00	Copper	
D.O. mg/l	2.97	Lead	N/A N/A
Tox. Tuc	N/A	Silver	N/A N/A
		Zinc	N/A N/A
		---NH3 mg/L	19.00 299.70

WEEK	EFF WEEKLY AVERAGE				IPS WEEKLY AVERAGE				WEEKLY COLIFORM Geo. Mean	% REMOVAL B.O.D. TSS
	BOD		TSS		BOD		TSS			
	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs		
1	19.40	282.59	15.80	229.93	502.50	7615.25	808.00	12338.78	2.57	Floating Solids Waste, or Foam
2	21.40	325.59	16.80	255.70	492.50	7422.60	1189.50	17939.09	3.87	
3	19.80	303.16	17.80	271.23	487.50	7595.03	2077.50	32180.31	7.07	Pass/Fail P
4	19.00	290.77	18.50	283.14	455.00	7386.32	804.00	13037.42	8.66	
5										
MAX	21.40	325.59	18.50	283.14	492.50	7595.03	2077.50	32180.31	8.66	

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: 1-Dec-14

TO 31-Dec-14

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.	*****	*****		*****	13.02	15.70		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		2.20	*****	4.40		0		
	Permit reqmt.	*****	*****		Report daily minimum	*****	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	309.60	383.81		*****	20.60	26.00		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.	*****	*****		*****	340.50	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	325.59	*****		*****	21.40	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Jim Westcott</i> WWA utilities Senior operator	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.	TELEPHONE 907-586-0393	DATE 15/1/17
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE  OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y M D

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TO 31-Dec-14

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	Sample meas.	*****	*****		6.85	*****	7.11		0		
	1 - Final Effluent 00400 Permit reqmt.	*****	*****		6.5 instantaneous minimum	*****	8.5 instantaneous maximum	S.U.		5X Weekly	Grab
Alkalinity, Total (as CaCO3)	Sample meas.	*****	*****		*****	150.00	150.00		0		
	1 - Final Effluent 00410 Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Quarterly	24-Hr Composite
Total Suspended Solids	Sample meas.	256.11	331.85		*****	17.05	23.00		0		
	1 - Final Effluent 00530 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	Sample meas.	*****	*****		*****	219.35	*****		0		
	G - Influent 00530 Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids	Sample meas.	283.14	*****		*****	18.50	*****		0		
	W - See Comments 00530 Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Jim Westcott</i> w/w utilities service operator	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.	TELEPHONE 907.586.0373	DATE 15/1/7
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA NUMBER	Y M D

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

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 Juneau, AK 99801

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

PERMIT NUMBER: AK0022951

MONITORING PERIOD: 1-Dec-14

TO 31-Dec-14

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				
Ammonia Nitrogen (as N) 1 - Final Effluent 00610	Sample meas.	*****	*****		*****	19.00	19.00		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Monthly	24-Hr Composite
Hardness, Total (as CaCO3) 1 - Final Effluent 00900	Sample meas.	*****	*****		*****	70.00	70.00		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Monthly	24-Hr Composite
Silver Total Recoverable 1 - Final Effluent 01079	Sample meas.	*****	*****		*****	N/A	N/A		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.	*****	*****		*****	N/A	N/A		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.	*****	*****		*****	N/A	N/A		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		See Permit Requirements	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Jim Westcott</i> M&W UTILITIES Senior Operator	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.	TELEPHONE 907.586.0393	DATE 15/1/17
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA NUMBER	Y M D

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 Juneau, AK 99801

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

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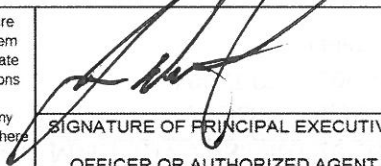
MONITORING PERIOD: 1-Dec-14

TO 31-Dec-14

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				
Copper Total Recoverable 1 - Final Effluent 01119	Sample meas.	0.36	0.36		*****	23.00	23.00		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
Chronic Toxicity 1 - Final Effluent TTOOO	Sample meas.	*****	*****		*****	N/A	N/A		0		
	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		0		
	Permit reqmt.	*****	*****		*****	*****	Report value	pass/fail		Monthly	Visual
Flow 1 - Final Effluent 50050	Sample meas.	1.77	2.00		*****	*****	*****		0		
	Permit reqmt.	Report monthly average	4.9 daily maximum	MGD	*****	*****	*****			Continuous	Recorded
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	5.00	75.00		0		
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Weekly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Jim Westcott</i> <i>NW utilities Senior operator</i>	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.		TELEPHONE	DATE
			907. 866. 0595	15/1/17
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA NUMBER	Y M D

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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				
Fecal Coliform W - See Comments 74055	Sample meas.	*****	*****		*****	8.66	*****		0		
	Permit reqmt.	*****	*****		*****	400 weekly geometric mean	*****	cts/100 ml		Weekly	Grab
BOD5 Minimum % Removal K - Percent Removal 81010	Sample meas.	*****	*****		94	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal K - Percent Removal 81011	Sample meas.	*****	*****		94	*****	*****		0		
	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 <i>Jim Westcott</i> Ww utilities Service Operator	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.	TELEPHONE 907.586.0393	DATE 15/1/17
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA NUMBER	Y M D