

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


OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

MONITORING PERIOD: 03/1/2016

TO 03/31/2016
 NO DISCHARGE:

Parameter	Sample meas. Permit reqmt.	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Maximum				
Temperature (C)	1 - Final Effluent 00010	*****	*****		*****	14.1		0		
		*****	*****		*****	Report monthly average	DEG.C		5X Weekly	Grab
Dissolved Oxygen	Sample meas.	*****	*****		2.1	4.4		0		
	1 - Final Effluent 00300	*****	*****		Report daily minimum	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5)	Sample meas.	395	543		*****	39		0		
	1 - Final Effluent 00310	1226 monthly average	2452 daily maximum	lbs/day	*****	60 daily maximum	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5)	Sample meas.	*****	*****		*****	429		0		
	G - Influent 00310	*****	*****		*****	Report monthly average	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5)	Sample meas.	427	*****		*****	32		0		
	W - See Comments 00310	1839 weekly average	*****	lbs/day	*****	45 weekly average	mg/l		2X Monthly	24-Hr Composite


 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
 TYPED OR PRINTED	907.586.0593	10/4/14
	AREA NUMBER	Y M D

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		Average	Maximum		Minimum	Average				
pH	Sample meas.	*****	*****		6.6	*****		0		
	Permit reqmt.	*****	*****		6.5 instantaneous minimum	8.5 instantaneous maximum	S.U.		5X Weekly	Grab
Alkalinity, Total (as CaCO3)	Sample meas.	*****	*****		*****	160		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	mg/l		Quarterly	24-Hr Composite
Total Suspended Solids	Sample meas.	260	454		*****	19		0		
	Permit reqmt.	1226 monthly average	2452 daily maximum	lbs/day	*****	30 monthly average	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids G - Influent	Sample meas.	*****	*****		*****	256		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids W - See Comments	Sample meas.	299	*****		*****	22.0		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Jim Westcott

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

[Signature]

TELEPHONE: 907.586.0593
 DATE: 10/14/14
 AREA NUMBER: Y | M | D

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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	Maximum				
Ammonia Nitrogen (as N) 1 - Final Effluent 00610	0.29	0.29	lbs/day	*****	20.0	mg/l	0	Monthly	24-Hr Composite
	1165 monthly average	1655 daily maximum		*****	40.5 daily maximum				
Hardness, Total (as CaCO3) 1 - Final Effluent 00900	*****	*****		*****	97	mg/l	0	Monthly	24-Hr Composite
	*****	*****		*****	Report monthly average				
Silver Total Recoverable 1 - Final Effluent 01079	*****	*****		*****	ND	ug/l	0	See Permit Requirements	24-Hr Composite
	*****	*****		*****	Report monthly average				
Zinc Total Recoverable 1 - Final Effluent 01094	*****	*****		*****	17	ug/l	0	See Permit Requirements	24-Hr Composite
	*****	*****		*****	Report monthly average				
Lead Total Recoverable 1 - Final Effluent 01114	*****	*****		*****	ND	ug/l	0	See Permit Requirements	24-Hr Composite
	*****	*****		*****	Report monthly average				

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA NUMBER Y M D	

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 NO DISCHARGE:

OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
	Average	Maximum		Minimum	Maximum				
Copper Total Recoverable	0.31	0.31		*****	22.0		0		
1 - Final Effluent 01119	3.54 monthly average	7.63 daily maximum	lbs/day	*****	86.7 monthly average	ug/l	0	Monthly	24-Hr Composite
Chronic Toxicity	*****	*****		*****	N/A		0		
1 - Final Effluent T000	*****	*****		*****	5.1 monthly average	TUC	0	See Permit Requirements	24-Hr Composite
Floating solids, waste or visible foam-visual	*****	*****		*****	P		0		
1 - Final Effluent 45613	*****	*****		*****	Report value	pass/fail	0	Monthly	Visual
Flow	1.6	1.9		*****	*****		0		
1 - Final Effluent 50050	Report monthly average	4.9 daily maximum	MGD	*****	*****		0	Continuous	Recorded
Fecal Coliform	*****	*****		*****	27		0		
1 - Final Effluent 74055	*****	*****		*****	112 monthly geometric mean	cts/100 ml	0	2X Weekly	Grab

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		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>[Signature]</i>	907. 586. 6593 10/4/14
TYPED OR PRINTED		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				
Fecal Coliform	*****	*****		*****	*****		0		
W - See Comments 74055	*****	*****		*****	*****	cts/100 ml		2X Weekly	Grab
BOD5 Minimum % Removal	*****	*****		93	*****		0		
K - Percent Removal 81010	*****	*****		85 minimum	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal	*****	*****		93	*****		0		
K - Percent Removal 81011	*****	*****		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.

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		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	

RECEIVING WATER MONITORING ANNUAL REPORT
Mendenhall Wastewater Treatment Facility

Juneau, Alaska 2015

Month	Day Sample collected	FLOWS							DOWNSTREAM										UPSTREAM									
		Plant Effluent mgd	Fecal Center	Temp °C	pH	D.O. mg/L	Turbid. NTU	Copper ug/L	NH3 mg/L	Hard mg/L	Fecal Center	Temp °C	pH	D.O. mg/L	Turbid. NTU	Copper ug/L	Lead ug/L	Silver ug/L	Zinc ug/L	NH3 mg/L	Hard mg/L	Alk mg/L						
Jan	1/15/2015	1.96	8.3	NA	6.9	10.9	N/A	N/A	200.0	32.0	NA	8.0	12.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.0	26.0						
Feb	2/12/2015	1.69	100.0	NA	7.0	9.5	N/A	N/A	290.0	4.0	N/A	7.7	11.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	160.0	41.0						
Mar	3/19/2015	1.69	13.0	NA	7.0	10.8	N/A	N/A	610.0	1.0	NA	7.3	11.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	380.0	41.0						
Apr	4/16/2015	2.02	11.0	NA	7.0	10.9	N/A	N/A	390.0	5.0	NA	7.4	11.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	230.0	32.0						
May	5/18/2015	1.65	15.0	9.2	7.1	11.4	55.2	1.20	92.0	5.0	7.8	7.6	11.6	63.5	ND	N/A	N/A	2.10	<0.5	<0.5	37.0	ND						
Jun	6/18/2015	1.64	7.0	5.8	6.8	12.4	119.0	0.58	22.0	3.0	5.6	6.7	12.6	124.0	0.5	N/A	N/A	N/A	<0.5	<0.5	21.0	20						
Jul	7/6/2015	1.74	10.0	6.0	6.8	12.5	125.0	1.8	18.0	10.0	5.9	6.8	13.7	124	0.50	N/A	N/A	N/A	<0.5	<0.5	19.0	ND						
Aug	8/4/2015	2.25	7.0	5.7	6.8	12.2	N/A	N/A	21.0	2.0	5.2	6.8	13.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.0	ND						
Sep	9/16/2015	2.79	17.0	4.8	7.0	13.4	N/A	N/A	44.0	10.0	3.8	7.1	13.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	52.0	ND						
Oct	10/1/2015	3.06	12.0	4.7	6.9	13.4	266.0	40.0	40.0	5.0	4.4	6.9	12.5	235	0.7	0.043	ND	2.90	0.2	39.0	ND							
Nov	11/12/2015	2.77	5.0	NA	6.7	11.2	N/A	N/A	150.0	8.0	NA	6.8	12.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	79.0	26.0						
Dec	12/1/2015	2.83	20	3.8	6.9	11.3	N/A	N/A	140.0	3.0	7.0	7.0	12.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	110.0	26.0						

Permit # AK-002295-1

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	
	907	586-0393
Wastewater Utilities Sr. Operator	AREA CODE	PHONE NUMBER
	16	4 13
TYPED OR PRINTED	DATE	
	YEAR	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		