

# 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-Nov-14

TO 30-Nov-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.	*****	*****		*****	13.9	14.7		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen  1 - Final Effluent 00300	Sample meas.	*****	*****		2.1	*****	4.7		0		
	Permit reqmt.	*****	*****		Report daily minimum	*****	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5)  1 - Final Effluent 00310	Sample meas.	472.4	609.5		*****	29.7	40.0		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.	*****	*****		*****	326.4	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5)  W - See Comments 00310	Sample meas.	581.1	*****		*****	36.2	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  <i>GRIEKO TEMPEL</i> SR. 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  <i>907.586.0393</i>	DATE  <i>2014/12/10</i>
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				
pH  1 - Final Effluent 00400	Sample meas.	*****	*****		6.9	*****	7.5		0		
	Permit reqmt.	*****	*****		6.3 instantaneous minimum	*****	8.5 instantaneous maximum	S.U.		5X Weekly	Grab
Alkalinity, Total (as CaCO3)  1 - Final Effluent 00410	Sample meas.	*****	*****		*****	NA	NA		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Quarterly	24-Hr Composite
Total Suspended Solids  1 - Final Effluent 00530	Sample meas.	312.1	518.9		*****	19.7	34.0		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.	*****	*****		*****	195.9	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids  W - See Comments 00530	Sample meas.	369.5	*****		*****	23.6	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X 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				
Ammonia Nitrogen (as N)  1 - Final Effluent 00610	Sample meas.	*****	*****		*****	18.0	18.0		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.	*****	*****		*****	75.0	75.0		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Monthly	24-Hr Composite
Silver Total Recoverable  1 - Final Effluent 01079	Sample meas.	*****	*****		*****	NA	NA		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.	*****	*****		*****	NA	NA		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.	*****	*****		*****	NA	NA		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		See Permit Requirements	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
*GRIEKO TEMPEL*  
 SR. OPERATOR  
 TYPED OR PRINTED

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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				
Copper Total Recoverable  1 - Final Effluent 01119	Sample meas.	0.425	0.425		*****	28.0	28.0		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.	*****	*****		*****	1.0	1.0		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.	1.93	2.31		*****	*****	*****		0		
	Permit reqmt.	Report monthly average	4.9 daily maximum	MGD	*****	*****	*****			Continuous	Recorded
Fecal Coliform  1 - Final Effluent 74055	Sample meas.	*****	*****		*****	18.4	220.0		0		
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Weekly	Grab

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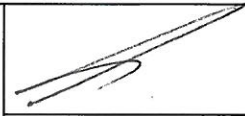
NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Fecal Coliform  W - See Comments 74055	Sample meas.	*****	*****		*****	154.6	*****		0		
	Permit reqmt.	*****	*****		*****	400 weekly geometric mean	*****	cts/100 ml		Weekly	Grab
BOD5 Minimum % Removal  K - Percent Removal 81010	Sample meas.	*****	*****		90.9	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal  K - Percent Removal 81011	Sample meas.	*****	*****		90.9	*****	*****		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.

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MENDENHALL WASTEWATER TREATMENT FACILITY

Juneau, Alaska

November 2014

		FLOWS				INFLUENT										Effluent									
DAY	DATE	SBR INFLUENT MGD	precip	SBR ToT EFF MGD	SBR WASTE MGD	TEMP °C	pH	D.O. mg/L	TSS mg/L	TSS LBS	B.O.D. mg/L	B.O.D. LBS	IPS TSS mg/L	IPS TSS LBS	IPS BOD mg/L	IPS BOD LBS	TEMP °C	pH	D.O. mg/L	TSS mg/L	TSS LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml	
SUN	26	2.10	0.04	1.88	0.0392																				
MON	27	2.08	0.16	1.97	0.0457	14.4	7.2	3.0	168.0	2914.3	380.0	6591.9	1700.0	29490.2	370.0	6418.5	14.6	7.0	2.5	21.0	345.0	35.0	575.0	390.0	
TUE	28	2.10	0.04	1.94	0.0757	13.8	7.2	2.3	200.0	3502.8	490.0	8581.9		0.0		0.0	14.6	7.0	3.2	21.0	339.8	32.0	517.7	72.0	
WED	29	1.99	0.01	1.87	0.0946	14.4	7.2	2.3	160.0	2655.5	400.0	6638.6	380.0	6306.7	790.0	13111.3	14.7	7.0	2.7	18.0	280.7	32.0	499.1	210	
THU	30	2.03	0.30	1.99	0.0708	14.4	7.1	2.9	212.0	3589.2	380.0	6433.5	505.0	8549.8	510.0	8634.4	14.9	6.9	3.3	19.0	315.3	33.0	547.7		
FRI	31	2.19	0.31	2.03	0.1105	14.1	7.3	2.6	196.0	3579.9	330.0	6027.3	452.0	8255.6	610.0	11141.4	14.6	7.4	2.3	16.0	270.9	33.0	558.7	97	
SAT	1	2.22	0.59	2.25	0.0868																				
SUN	2	2.22	0.24	1.98	0.0539																				
MON	3	2.30	0.03	2.20	0.0749	13.9	7.3	2.9	152.0	2915.7	210.0	4028.2	1160.0	22251.1	380.0	7289.2	14.1	6.9	2.7	21.0	385.3	32.0	587.1	74.0	
TUE	4	2.39	0.58	2.31	0.1229	13.5	7.2	2.7									13.9	7.0	2.6					220.0	
WED	5	2.33	0.21	2.20	0.0383	13.5	7.1	2.8									14.1	7.0	3.0						
THU	6	2.27	0.26	2.25	0.0274	13.5	7.4	2.8									13.7	6.9	2.7						
FRI	7	2.03	0.05	1.97	0.0558	13.4	7.4	3.0	112.0	1896.2	300.0	5079.1	948.0	16049.8	480.0	8126.5	14.1	6.9	2.2	19.0	312.2	35.0	575.0		
SAT	8	2.11	0.21	2.07	0.0647																				
SUN	9	1.87	0.01	1.93	0.0502																				
MON	10	2.04	0.02	2.03	0.0582	13.4	7.4	2.7	192.0	3266.6	270.0	4593.7	1940.0	33006.4	510.0	8676.9	14.3	7.0	2.6	22.0	372.5	36.0	609.5	220.0	
TUE	11	2.01	0.00	1.92	0.0503	13.1	7.3	2.6	224.0	3755.0	390.0	6537.7	436.0	7308.8	450.0	7543.5	13.8	7.0	2.5	20.0	320.3	34.0	544.4	86.0	
WED	12	1.89	0.00	1.82	0.0581	13.0	7.2	3.0	208.0	3278.6	350.0	5516.9	1160.0	18284.6	430.0	6777.9	13.7	7.0	2.6	22.0	333.9	40.0	607.2	13.0	
THU	13	1.85	0.00	1.81	0.0598	12.4	7.3	3.2	208.0	3209.2	370.0	5708.7	712.0	10985.4	470.0	7251.6	13.0	7.0	3.0	20.0	301.9	36.0	543.4		
FRI	14	1.78	0.00	1.83	0.0545	12.4	8.2	3.1	184.0	2731.5	360.0	5344.3	800.0	11876.2	630.0	9352.5	13.7	7.1	2.8	34.0	518.9	35.0	534.2		
SAT	15	1.81	0.00	1.82	0.0538																				
SUN	16	1.58	0.01	1.72	0.0437																				
MON	17	1.72	0.01	1.78	0.0760	12.8	7.3	3.1	176.0	2524.7	230.0	3299.3	327.0	4690.7	670.0	9611.0	13.6	7.0	2.3	22.0	326.6	26.0	386.0	2.0	
TUE	18	1.83	0.50	1.77	0.0937	12.4	8.3	2.4	220.0	3357.7	330.0	5036.5	360.0	5436.0	470.0	7173.2	13.6	7.0	2.4	19.0	280.5	26.0	383.8	1.0	
WED	19	2.03	0.47	2.00	0.0827	13.0	7.4	3.2	252.0	4266.4	350.0	5925.6	367.0	6213.4	440.0	7449.3	13.9	6.9	2.4	17.0	283.6	33.0	550.4		
THU	20	1.86	0.01	1.87	0.0783	13.5	7.2	2.5	180.0	2792.2	340.0	5274.2	1310.0	20321.2	410.0	6360.1	14.2	7.0	3.4	15.0	233.9	25.0	389.9		
FRI	21	1.99	0.13	1.86	0.0769	12.9	7.2	3.3					880.0	14605.0	630.0	10455.9	14.7	6.9	2.7	19.0	294.7	28.0	434.3		
SAT	22	1.98	0.06	1.85	0.0693																				
SUN	23	1.84	0.06	1.79	0.0638																				
MON	24	2.04	0.30	1.94	0.0704	13.4	7.4	2.7	215.0	3657.9	250.0	4253.4	1160.0	19735.8	400.0	6805.4	13.4	7.0	2.1	12.0	194.2	19.0	307.4	2.0	
TUE	25	1.97	0.05	1.91	0.0820	13.2	7.0	2.7	196.0	3220.2	360.0	5914.7	672.0	11040.8	450.0	7393.4	13.6	7.1	3.3	14.0	223.0	20.0	318.6	15.0	
WED	26	2.01	0.01	1.89	0.0774	13.0	7.3	3.3	224.0	3755.0	460.0	7711.2	720.0	12069.6	620.0	10393.3	13.7	7.0	2.7	19.0	299.5	20.0	315.3		
THU	27	2.07	0.00	1.96	0.0630	12.0	7.4	3.4									14.6	7.5	4.7						
FRI	28	1.86	0.00	1.77	0.0612	11.9	7.6	3.4									13.5	7.1	4.0						
SAT	29	1.94	0.09	1.82	0.0781																				
SUN	30	1.73	0.58	1.64	0.0545																				
TOTAL		59.57	4.48	57.96	1.98																				
AXIMUM		2.39	0.59	2.31	0.12	13.9	8.3	3.4	252.0	4266.4	460.0	7711.2	1940.0	33006.4	670.0	10455.9	14.7	7.5	4.7	34.0	518.9	40.0	609.5	220.0	
MINIMUM		1.58	0.00	1.64	0.03	11.9	7.0	2.4	112.0	1896.2	210.0	3299.3	327.0	4690.7	380.0	6360.1	13.0	6.9	2.1	12.0	194.2	19.0	307.4	1.0	
RANGE*		1.99	0.15	1.93	0.07	13.0		2.9	195.9	3187.6	326.4	5301.7	863.5	14262.2	496.0	8044.0	13.9		2.8	19.7	312.1	29.7	472.4	18.4	
Number of Analyse		31	31	31	31	22	22	22	18	18	18	18	18	19	19	19	22	22	19	19	19	19	19	13	0

Comments:	2014		2014		EFF WEEKLY AVERAGE				IPS WEEKLY AVERAGE				WEEKLY	% REMOVAL	
	Hrd. mg/l	75.0	11/12/2014	ug/L	LBS	BOD		TSS		BOD		TSS		COLIFORM	B.O.D.
	Hrd. mg/l			28.0	0.425	11/12/2014	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs	TSS
	Copper					1	33	540	19	310	570	7861	759	10520	155
	Copper					2	34	581	20	349	430	7708	1054	19150	128
	D.O. mg/l	2.8					3	36	568	24	369	498	7920	1010	16292
Tox. Tuc	1.0					4	28	429	18	284	524	8210	649	10265	1
						5	20	314	15	239	490	8197	851	14282	5
						MAX	36	581	24	369	524	8210	1054	19150	155

---NH3 mg/L	18	273.41	11/12/2014
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