

MENDENHALL WASTEWATER TREATMENT FACILITY

Juneau, Alaska

July 2015

DAY	DATE	FLOWS				INFLUENT										EFFLUENT								
		SBR INFLUENT MGD	precip	SBR TREATMENT MGD	SBR WASTE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. 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	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml
SUN	28	1.64	0.09	1.56	0.0688																			
MON	29	1.95	0.83	1.87	0.0655	15.8	7.3	2.2	160.0	2602.1	320.0	5204.2	570.0	9269.9	950.0	15449.9	17.9	6.8	3.0	13.0	202.7	25.0	389.9	3.0
TUE	30	1.83	0.00	1.76	0.1051	15.4	7.0	2.8	220.0	3357.7	350.0	5341.8	420.0	6410.1	550.0	8394.2	19.0	6.7	4.2	11.0	161.5	15.0	220.2	1.0
WED	1	1.88	0.42	1.73	0.1273	15.7	7.0	2.5	300.0	4703.8	490.0	7682.6	470.0	7369.2	550.0	8623.6	18.8	7.0	3.8	12.0	173.1	17.0	245.3	
THU	2	1.89	0.20	1.74	0.1290	15.8	7.3	2.6	230.0	3625.4	530.0	8354.2	500.0	7881.3	920.0	14501.6	18.9	7.0	4.1	12.0	174.1	22.0	319.3	
FRI	3	1.83	0.09	1.72	0.0827	16.2	7.4	1.8	220.0	3357.7	490.0	7478.5	490.0	7478.5	990.0	15109.6	17.7	6.9	3.0	10.0	143.4	22.0	315.6	
SAT	4	1.59	0.00	1.44	0.0993																			
SUN	5	1.64	0.00	1.48	0.0749																			
MON	6	1.93	0.00	1.74	0.0743	16.0	7.5	1.9	202.0	3251.4	210.0	3380.2	450.0	7243.3	390.0	6277.5	18.1	6.9	2.9	12.0	174.1	15.0	217.7	34.0
TUE	7	1.81	T	1.81	0.0581	16.3	7.0	2.4	184.0	2777.6	380.0	5736.3	390.0	5887.2	450.0	6792.9	18.5	6.9	3.2	12.0	181.1	15.0	226.4	1.0
WED	8	1.78	0.64	1.71	0.0660	16.0	7.3	2.1	248.0	3681.6	422.0	6264.7	500.0	7422.6	773.0	11475.3	18.2	6.9	3.3	12.0	171.1	20.0	285.2	
THU	9	1.90	0.01	1.78	0.1087	16.0	7.0	2.8	200.0	3169.2	360.0	5704.6	480.0	7606.1	690.0	10933.7	18.6	6.9	3.3	10.0	148.5	13.0	193.0	
FRI	10	1.96	0.34	1.80	0.1200	16.2	7.2	2.5	240.0	3923.1	420.0	6865.5	430.0	7029.0	710.0	11605.9	18.5	6.9	3.7	11.0	165.1	14.0	210.2	
SAT	11	1.94	0.40	1.85	0.0862																			
SUN	12	1.96	0.92	1.76	0.1026																			
MON	13	2.07	1.26	2.48	0.1231	16.1	7.3	2.7	180.0	4008.2	160.0	3562.8	415.0	9241.1	510.0	11356.6	17.9	6.9	3.7	10.0	206.8	15.0	310.2	100.0
TUE	14	2.74	0.66	2.72	0.0795	15.6	7.3	3.2	160.0	3656.3	200.0	4570.3	360.0	8226.6	370.0	8455.1	16.0	6.8	3.2	6.4	145.2	8.8	199.6	60.0
WED	15	2.96	0.38	2.93	0.0816	16.2	6.6	1.9	235.0	5801.3	270.0	6665.3					16.9	6.8	3.5	10.0	244.4	8.1	197.9	
THU	16	2.46	0.04	2.48	0.1222	15.4	7.0	3.4	170.0	3487.8	300.0	6154.9	280.0	5744.6	420.0	8616.9	17.5	6.8	3.2	10.0	206.8	12.0	249.2	
FRI	17	2.49	0.26	2.42	0.1222	15.5	7.3	3.5	200.0	4153.3	350.0	7268.3	400.0	8306.6	500.0	10383.3	18.3	6.9	4.2	7.5	151.4	9.0	181.6	
SAT	18	2.38	0.08	2.44	0.1223																			
SUN	19	2.32	0.63	2.23	0.1224																			
MON	20	2.50	0.04	2.44	0.0926	15.2	7.3	2.7	150.0	3127.5	220.0	4587.0	330.0	6880.5	460.0	9591.0	17.3	6.8	3.5	9.0	183.1	10.0	203.5	68.0
TUE	21	2.41	0.00	2.26	0.1032	15.2	7.2	3.0	160.0	3215.9	260.0	5225.8	300.0	6029.8	360.0	7235.8	17.5	6.9	2.7	7.0	131.9	6.9	130.1	190.0
WED	22	2.32	T	2.17	0.0853	16.1	7.0	1.8	170.0	3289.3	260.0	5030.7	360.0	6885.6	470.0	9093.9	17.4	6.8	2.9	10.0	181.0	6.8	123.1	
THU	23	2.87	2.00	2.50	0.1226	15.8	7.0	2.7	200.0	4787.2	480.0	11489.2	405.0	9594.0	650.0	15558.3	18.2	6.9	3.1	7.6	158.5	9.3	193.9	
FRI	24	3.09	0.07	2.86	0.1004	15.4	7.2	3.5	200.0	5154.1	360.0	9277.4	425.0	10952.5	530.0	13658.4	17.2	6.8	3.1	10.0	238.5	10.0	238.5	
SAT	25	2.39	0.00	2.51	0.0788																			
SUN	26	2.19	0.14	2.17	0.0711																			
MON	27	2.88	0.59	2.75	0.0872	15.8	7.3	2.2	134.0	3218.6	200.0	4803.8					17.0	6.9	3.0	8.8	201.8	11.0	252.3	100.0
TUE	28	3.01	0.29	2.97	0.0963	15.3	7.2	2.9	140.0	3514.5	220.0	5522.7	296.0	7430.6	300.0	7531.0	16.5	6.8	3.3	8.0	198.2	7.0	173.4	36.0
WED	29	3.01	0.46	2.98	0.1141	15.6	7.0	2.5	232.0	5824.0	310.0	7782.1	212.0	5321.9	330.0	8284.1	16.5	6.8	3.1	10.0	248.5	8.5	211.3	
THU	30	3.13	0.30	3.02	0.1242	15.5	7.5	2.0	172.0	4489.9	240.0	6265.0	178.0	4594.3	390.0	10180.6	16.6	6.7	3.0	8.0	201.5	6.7	168.8	
FRI	31	2.88	M	2.78	0.0958	15.6	7.1	2.2	136.0	3266.6	86.0	2065.7	287.0	6893.5	340.0	8166.5	17.1	6.8	3.4	6.0	138.1	5.1	117.4	
SAT	1	2.46	0.03	2.55	0.0835																			
TOTAL		80.69	11.17	69.65	3.4188																			
MAXIMUM		3.13	2.00	3.02	0.1290	16.3	7.5	3.5	300.0	5824.0	530.0	11489.2	570.0	10952.5	990.0	15558.3	19.0	7.0	4.2	13.0	248.5	25.0	389.9	190.0
MINIMUM		1.59	0.00	1.44	0.0581	15.2	6.6	1.8	134.0	2602.1	86.0	2065.7	178.0	4594.3	300.0	6277.5	16.5	6.7	2.7	6.0	131.9	5.1	117.4	1.0
AVERAGE		2.31	0.35	2.21	0.10	15.7		2.6	193.7	3817.8	315.5	6091.3	389.0	7386.0	548.0	10316.3	17.8		3.3	9.7	181.2	12.5	222.9	22.2
Number of Analyses		35	32	35	35	25	25	25	25	25	25	25	23	23	23	23	25	25	25	25	25	25	25	10

2015		7/6/2015	2015 Metals		7/6/2015
Hrd. mg/l	63.0		ug/L	LBS	
Hrd. mg/l			Copper 15.0	0.218	
Alk. mg/l	150.0		Copper	NA	NA
D.O. mg/l	3.1		Lead	NA	NA
			Silver	NA	NA
			Zinc	NA	NA
Tox. Tuc	NA				
			NH3 mg/L	21.0	304.96

WEEK	WEEKLY AVERAGE					% REMOVAL	
	BOD		TSS		COLIFORM	B.O.D.	95.0
	mg/l	lbs	mg/l	lbs	Geo. Mean	S.S.	95.0
1	20.2	298.0	11.6	171.0	1.7		
2	15.4	226.5	11.4	168.0	5.8		Floating Solids Waste, or Foam
3	10.6	227.5	8.8	190.9	77.5		Pass/Fail
4	8.6	177.8	8.7	178.6	113.7		P
5	7.7	184.6	8.2	197.6	60.0		
MAX	20.2	298.0	11.6	197.6	113.7		

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: 07/01/2015

TO 07/31/2015

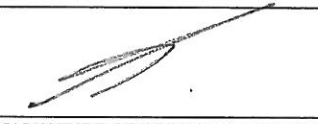
OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

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.	*****	*****		*****	17.8	19.0		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		2.7	*****	4.2		0		
	Permit reqmt.	*****	*****		Report daily minimum	*****	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	222.9	389.9		*****	12.5	25.0		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.	*****	*****		*****	193.7	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	298.0	*****		*****	20.2	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GRIEKO TEMPEL
SR. OPERATOR
 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	15/8/11
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	Average	Maximum				
pH 1 - Final Effluent 00400	Sample meas.	*****	*****		6.7	*****	7.0		0		
	Permit reqmt.	*****	*****		6.3 instantaneous minimum	*****	8.5 instantaneous maximum	S.U.		5X Weekly	Grab
Total Suspended Solids 1 - Final Effluent 00530	Sample meas.	181.2	248.5		*****	9.7	13.0		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.	*****	*****		*****	193.7	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	197.6	*****		*****	11.6	*****		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.	*****	*****		*****	21.0	21.0		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 GRIEND TEMPEL
 SR. OPERATOR
 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
907.586.4393	15/8/11
AREA NUMBER	Y M D

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 MAILING ADDRESS: 2009 Radcliffe Rd.
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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				
Hardness, Total (as CaCO3) 1 - Final Effluent 00900	Sample meas.	*****	*****		*****	63	63		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
Copper Total Recoverable 1 - Final Effluent 01119	Sample meas.	0.218	0.218		*****	15.0	15.0		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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GRIEKO TEMPEL
SR: OPERATOR
 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
<i>907.586.0393</i>	<i>15/8/11</i>
AREA NUMBER	Y M D

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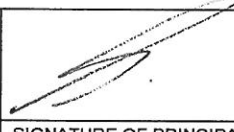
OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

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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				
Chronic Toxicity 1 - Final Effluent TTOOO	Sample meas.	*****	*****		*****	NA	NA		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.	2.2	3.0		*****	*****	*****		0		
	Permit reqmt.	Report monthly average	4.9 daily maximum	MGD	*****	*****	*****			Continuous	Recorded
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	22.2	190.0		0		
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Weekly	Grab
Fecal Coliform W - See Comments 74055	Sample meas.	*****	*****		*****	113.7	*****		0		
	Permit reqmt.	*****	*****		*****	400 weekly geometric mean	*****	cts/100 ml		Weekly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GAIENK TEMPEL
SR. OPERATOR
 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.


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TELEPHONE	DATE
907.586.0393	15/07/11
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	Average	Maximum				
BOD5 Minimum % Removal	Sample meas.	*****	*****		96.0	*****	*****		0		
K - Percent Removal 81010	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal	Sample meas.	*****	*****		95.0	*****	*****		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 GRIEKO TEMPEL 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 907.586.0393	DATE 15/8/11
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y M D