

**MENDENHALL WASTEWATER TREATMENT FACILITY**  
Juneau, Alaska                      March 2015

		FLOWS				INFLUENT										Effluent									
DAY	DATE	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	1	1.83	0.01	1.82	0.0935																				
Mon	2	2.03	0.00	1.71	0.0890	10.90	7.56	3.75	146.00	2471.81	220.00	3724.64	937.00	15863.60	460.00	7787.89	11.60	6.84	3.75	55.00	784.38	46.00	656.02	150.00	
Tues	3	1.98	0.01	1.63	0.1010	10.80	7.53	4.75	193.00	3187.05	350.00	5779.62	703.00	11608.78	480.00	7926.34	11.90	6.84	1.79	34.00	462.20	38.00	516.58	3.00	
Wed	4	1.94	0.06	1.65	0.0890	11.00	7.43	3.72	198.00	3203.56	400.00	6471.84	536.00	8672.27	530.00	8575.19	11.00	6.92	2.79	38.00	522.92	38.00	522.92		
Thu	5	2.16	0.70	1.81	0.1203	11.00	7.96	4.18	220.00	3963.17	430.00	7746.19	636.00	11457.16	590.00	10628.50	12.90	6.78	2.94	47.00	709.48	55.00	830.25		
Fri	6	2.13	0.03	1.70	0.1070	12.00	7.36	3.55	240.00	4263.41	410.00	7283.32	488.00	8668.93	510.00	9059.74	13.10	6.73	2.26	41.00	581.30	45.00	638.01		
Sat	7	2.05	0.21	1.72	0.1299																				
Sun	8	2.41	0.31	2.04	0.0852																				
Mon	9	2.35	0.04	1.96	0.0957	11.80	9.19	4.43	153.00	2998.65	180.00	3527.82	366.00	7173.23	340.00	6663.66	12.70	6.81	3.16	50.00	817.32	59.00	964.44	2.00	
Tue	10	2.18	0.05	1.86	0.0963	11.10	8.59	4.02	224.00	4072.59	330.00	5999.80	437.00	7945.18	540.00	9817.85	13.10	6.96	6.62	32.00	496.40	44.00	682.55	48.00	
Wed	11	2.01	0.50	1.82	0.0959				193.00	3235.34	330.00	5531.92	1300.00	21792.42	490.00	8214.07				31.00	470.54	35.00	531.26		
Thu	12	2.26	0.59	1.99	0.1442	11.80	7.19	3.81	256.00	4825.19	380.00	7162.39	220.00	4146.65	560.00	10366.62	12.20	6.91	0.94	34.00	564.28	39.00	647.27		
Fri	13	2.53	0.40	2.23	0.1000	11.10	7.35	4.06	186.00	3924.64	350.00	7385.07	512.00	10803.30	480.00	10128.10	11.90	6.74	2.72	43.00	799.72	48.00	892.71		
Sat	14	2.24	0.09	2.03	0.1039	10.80	7.33	5.81									12.30	6.88	3.02						
Sun	15	2.04	0.01	1.80	0.0857																				
Mon	16	2.11	0.00	1.84	0.0773	10.90	7.52	3.89	150.00	2639.61	200.00	3519.48	348.00	6123.90	300.00	5279.22	11.30	6.94	1.19	37.00	567.79	36.00	552.44	1500.00	
Tue	17	2.02	0.01	1.84	0.0798	11.10	7.41	3.93	175.00	2948.19	350.00	5896.38	363.00	6115.39	370.00	6233.32	11.30	7.00	1.63	27.00	414.33	41.00	629.17	820.00	
Wed	18	2.00	0.03	1.73	0.1131	11.90	7.29	5.21	260.00	4336.80	390.00	6505.20	812.00	13544.16	600.00	10008.00	11.10	6.78	3.40	34.00	490.56	44.00	634.84		
Thu	19	2.06	0.06	1.69	0.0979	11.40	7.29	4.33	325.00	5583.63	410.00	7043.96	760.00	13057.10	520.00	8933.81	12.70	6.87	2.97	28.00	394.65	41.00	577.88	130.00	
Fri	20	1.95	0.10	1.78	0.1032	11.40	7.24	3.84	210.00	3415.23	430.00	6993.09	887.00	14425.28	570.00	9269.91	12.40	6.79	2.39	24.00	356.28	38.00	564.12	7.00	
Sat	21	2.07	0.42	1.83	0.0846																				
Sun	22	1.90	0.02	1.69	0.0889																				
Mon	23	2.00	0.00	1.76	0.1054	11.50	7.52	3.48	160.00	2668.80	210.00	3502.80	703.00	11726.04	460.00	7672.80	12.30	6.90	2.83	32.00	469.71	29.00	425.67	7.00	
Tue	24	1.97	0.00	1.73	0.1072	11.60	7.49	3.51	347.00	5701.14	360.00	5914.73	1020.00	16758.40	420.00	6900.52	12.50	6.83	1.79	19.00	274.14	24.00	346.28	200.00	
Wed	25	1.97	0.01	1.66	0.1381	11.10	7.30	3.41	217.00	3565.27	350.00	5750.43	804.00	13209.56	500.00	8214.90	12.30	6.78	1.65	16.00	221.51	22.00	304.58		
Thu	26	1.88	0.27	1.60	0.1044	11.00	7.45	4.71	208.00	3261.27	380.00	5958.10	596.00	9344.80	420.00	6585.26	12.60	6.79	2.73	19.00	253.54	25.00	333.60		
Fri	27	1.95	0.27	1.78	0.1044	12.40	7.17	3.59	216.00	3512.81	410.00	6667.83	364.00	5919.73	540.00	8782.02	12.40	6.85	2.28	23.00	341.44	26.00	385.98		
Sat	28	1.95	0.04	1.83	0.0942																				
Sun	29	1.86	0.10	1.65	0.0869																				
Mon	30	1.94	0.02	1.74	0.0807	12.30	7.42	2.89									12.40	6.65	1.92					2.00	
Tue	31	1.99	0.20	1.78	0.0996	12.30	7.55	2.75									12.60	6.76	2.22					5.00	
TOTAL		63.76	4.56	55.50	3.08																				
MAXIMUM		2.53	0.70	2.23	0.14	12.40	9.19	5.81	347.00	5701.14	430.00	7746.19	1300.00	21792.42	600.00	10628.50	13.10	7.00	6.62	55.00	817.32	59.00	964.44	1500.00	
MINIMUM		1.83	0.00	1.60	0.06	10.80	7.17	2.75	146.00	2471.81	180.00	3502.80	220.00	4146.65	300.00	5279.22	11.00	6.65	0.94	16.00	221.51	22.00	304.58	2.00	
AVERAGE *		2.06	0.15	1.79	0.10	11.42	7.55	3.98	213.85	3688.91	343.50	5918.23	639.60	10917.79	483.50	8352.38	12.21	6.83	2.59	33.20	499.62	38.65	581.83	30.61	
nr of Analyses		31	31	31	31	22	22	22	20	17	20	20	20	20	20	20	22	22	22	20	20	20	20	12	0

2014		2015		WEEK		EFF WEEKLY AVERAGE		IPS WEEKLY AVERAGE		WEEKLY % REMOVAL		
Hrd. mg/l	83.00	2/19/2015		BOD	TSS	BOD	TSS	BOD	TSS	BOD	88.75	
Copper	0.02	0.0003	2/19/2015	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	84.48	
Alk. mg/l	140.00	2/19/2015		1	44.40	632.76	43.00	612.06	362.00	6201.12	199.40	21.21
D.O. mg/l				2	45.00	743.64	38.00	629.65	314.00	5921.40	4195.95	9.80
Tox. Tue				3	40.00	591.69	30.00	444.72	356.00	5991.62	224.00	182.91
				4	25.20	359.22	21.80	312.07	342.00	5918.23	229.60	37.42
				5								
				MAX	45.00	743.64	43.00	629.65	362.00	6201.12	4195.95	182.91

2014		2015		WEEK		EFF WEEKLY AVERAGE		IPS WEEKLY AVERAGE		WEEKLY % REMOVAL		
Hrd. mg/l	83.00	2/19/2015		BOD	TSS	BOD	TSS	BOD	TSS	BOD	88.75	
Copper	0.02	0.0003	2/19/2015	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	84.48	
Alk. mg/l	140.00	2/19/2015		1	44.40	632.76	43.00	612.06	362.00	6201.12	199.40	21.21
D.O. mg/l				2	45.00	743.64	38.00	629.65	314.00	5921.40	4195.95	9.80
Tox. Tue				3	40.00	591.69	30.00	444.72	356.00	5991.62	224.00	182.91
				4	25.20	359.22	21.80	312.07	342.00	5918.23	229.60	37.42
				5								
				MAX	45.00	743.64	43.00	629.65	362.00	6201.12	4195.95	182.91

2014		2015		WEEK		EFF WEEKLY AVERAGE		IPS WEEKLY AVERAGE		WEEKLY % REMOVAL		
Hrd. mg/l	83.00	2/19/2015		BOD	TSS	BOD	TSS	BOD	TSS	BOD	88.75	
Copper	0.02	0.0003	2/19/2015	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	84.48	
Alk. mg/l	140.00	2/19/2015		1	44.40	632.76	43.00	612.06	362.00	6201.12	199.40	21.21
D.O. mg/l				2	45.00	743.64	38.00	629.65	314.00	5921.40	4195.95	9.80
Tox. Tue				3	40.00	591.69	30.00	444.72	356.00	5991.62	224.00	182.91
				4	25.20	359.22	21.80	312.07	342.00	5918.23	229.60	37.42
				5								
				MAX	45.00	743.64	43.00	629.65	362.00	6201.12	4195.95	182.91

2014		2015		WEEK		EFF WEEKLY AVERAGE		IPS WEEKLY AVERAGE		WEEKLY % REMOVAL		
Hrd. mg/l	83.00	2/19/2015		BOD	TSS	BOD	TSS	BOD	TSS	BOD	88.75	
Copper	0.02	0.0003	2/19/2015	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	84.48	
Alk. mg/l	140.00	2/19/2015		1	44.40	632.76	43.00	612.06	362.00	6201.12	199.40	21.21
D.O. mg/l				2	45.00	743.64	38.00	629.65	314.00	5921.40	4195.95	9.80
Tox. Tue				3	40.00	591.69	30.00	444.72	356.00	5991.62	224.00	182.91
				4	25.20	359.22	21.80	312.07	342.00	5918.23	229.60	37.42
				5								
				MAX	45.00	743.64	43.00	629.65				



# 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-Mar-15

TO 31-Mar-15

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.	*****	*****		6.65	*****	7.00		0		
	Permit reqmt.	*****	*****		6.5 instantaneous minimum	*****	8.5 instantaneous maximum	S.U.		5X Weekly	Grab
Alkalinity, Total (as CaCO3)  1 - Final Effluent 00410	Sample meas.	*****	*****		*****	140.00	140.00		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Quarterly	24-Hr Composite
Total Suspended Solids  1 - Final Effluent 00530	Sample meas.	499.62	817.32		*****	33.20	55.00		1		
	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.	*****	*****		*****	213.85	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids  W - See Comments 00530	Sample meas.	629.65	*****		*****	43.00	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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
<i>GRIEKO TEMPEL</i>		907.586.0393	15/04/09
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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FACILITY: MENDENHALL WW TREATMENT FACILITY  
 LOCATION: 2009 RADCLIFFE RD  
 Juneau, AK 99801

PERMIT NUMBER: AK0022951

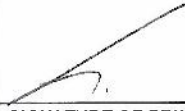
MONITORING PERIOD: 1-Mar-15

TO 31-Mar-15

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.	239.78	239.78	lbs/day	*****	17.00	17.00		0	Monthly	24-Hr Composite
	Permit reqmt.	Report monthly average	Report daily maximum		*****	Report monthly average	Report daily maximum	mg/l			
Hardness, Total (as CaCO3)  1 - Final Effluent 00900	Sample meas.	*****	*****		*****	83.00	83.00		0	Monthly	24-Hr Composite
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l			
Silver Total Recoverable  1 - Final Effluent 01079	Sample meas.	*****	*****		*****	NA	NA		0	See Permit Requirements	24-Hr Composite
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l			
Zinc Total Recoverable  1 - Final Effluent 01094	Sample meas.	*****	*****		*****	NA	NA		0	See Permit Requirements	24-Hr Composite
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l			
Lead Total Recoverable  1 - Final Effluent 01114	Sample meas.	*****	*****		*****	NA	NA		0	See Permit Requirements	24-Hr Composite
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l			

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GRIEKO TEMPEL		907.586.0393	15/04/09
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-Mar-15

TO 31-Mar-15

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.	0.0003	0.0003	lbs/day	*****	0.02	0.02	ug/l	0	Monthly	24-Hr Composite
	Permit reqmt.	1.82 monthly average	3.92 daily maximum		*****	44.5 monthly average	95.8 daily maximum				
Chronic Toxicity  1 - Final Effluent TTOOO	Sample meas.	*****	*****		*****	NA	NA	TUC	0	See Permit Requirements	24-Hr Composite
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum				
Floating solids, waste or visible foam-visual  1 - Final Effluent 45613	Sample meas.	*****	*****		*****	*****	P	pass/fail	0	Monthly	Visual
	Permit reqmt.	*****	*****		*****	*****	Report value				
Flow  1 - Final Effluent 50050	Sample meas.	1.79	2.23	MGD	*****	*****	*****		0	Continuous	Recorded
	Permit reqmt.	Report monthly average	4.9 daily maximum		*****	*****	*****				
Fecal Coliform  1 - Final Effluent 74055	Sample meas.	*****	*****		*****	30.61	1500.00	cts/100 ml	2	Weekly	Grab
	Permit reqmt.	*****	*****		*****	112 monthly geometric mean	224 daily maximum				

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GRIEKO TEMPEL  TYPED OR PRINTED		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	907. 586. 0391
		AREA   NUMBER	Y   M   D

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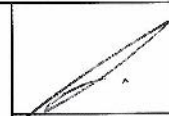
MONITORING PERIOD: 1-Mar-15

TO 31-Mar-15

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.	*****	*****		*****	12.21	13.10		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen  1 - Final Effluent 00300	Sample meas.	*****	*****		0.94	*****	6.62		0		
	Permit reqmt.	*****	*****		Report daily minimum	*****	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5)  1 - Final Effluent 00310	Sample meas.	581.83	964.44		*****	38.65	59.00		1		
	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.	*****	*****		*****	343.50	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5)  W - See Comments 00310	Sample meas.	743.64	*****		*****	45.00	*****		0		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

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<i>GRIEKO TEMPEL</i>		907.586.0393	25/02/09
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA   NUMBER	Y   M   D



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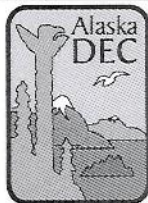
NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Fecal Coliform  W - See Comments 74055	Sample meas.	*****	*****		*****	182.91	*****		1		
	Permit reqmt.	*****	*****		*****	168 weekly geometric mean	*****	cts/100 ml		Weekly	Grab
BOD5 Minimum % Removal  K - Percent Removal 81010	Sample meas.	*****	*****		88.75	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal  K - Percent Removal 81011	Sample meas.	*****	*****		84.48	*****	*****		1		
	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 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
		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	907.586.0393
TYPED OR PRINTED		AREA   NUMBER	Y   M   D



# Alaska Department of Environmental Conservation

Division of Water, Compliance and Enforcement Program

555 Cordova Street

Anchorage, Alaska 99501

Nationwide Toll Free: 1(877) 569-4114 Anchorage/International: (907) 269-4114

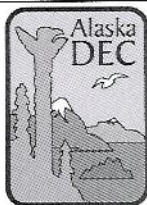
Fax: (907) 269-4604 E-mail address: [dec-wqreporting@alaska.gov](mailto:dec-wqreporting@alaska.gov).

## NONCOMPLIANCE NOTIFICATION

<b>GENERAL INFORMATION</b>		<b>PERMIT# (if any): AK- 0022951</b>	
<b>Owner or Operator:</b> City and Borough of Juneau	<b>Facility Name:</b> Mendenhall WWTP	<b>Facility Location:</b> Juneau, AK	
<b>Person Reporting:</b> Grieko Tempel	<b>Phone Numbers of Person Reporting:</b> 907-586-0393	<b>Reported How? (e.g. by phone):</b> Noncompliance hot-line 1-877-569-4114	
<b>Date/Time Event was Noticed:</b> 03/26/2015 at 1140 hrs	<b>Date/Time Reported:</b> 03/26/2015 at 1345 hrs	<b>Name of DEC Staff Contacted:</b> N/A	
<b>VERBAL NOTIFICATION MUST BE MADE TO ADEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE</b>			
<b>INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)</b>			
<b>Period of Noncompliance</b>	<b>Start Date/Time (exact):</b> 03/16/2015 at 0905 hrs	<b>End Date/Time (exact):</b> 03/17/2015 at 0845 hrs	
<b>If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:</b> N/A			
<b>Estimated Quantity involved (volume or weight):</b> 1.84 MG (estimate, effluent discharged on 03/16/2015 )			
<b>Description of the noncompliance and its cause (be specific):</b> The Mendenhall WWTF (MWWTF) is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). During the month of February of 2015, the MWWTF experienced a loss of solids via the effluent due to a change in SRT from 11 days to 12 days (done in an attempt to better treat incoming organic waste). The Mendenhall WWTF is an SBR facility with seven operating SBR's, utilizing an UV-system for effluent disinfection. Each SBR performs at a different rate due to a variety of factors (mainly loading and MLSS concentration). SBR 6 and SBR 8 are the SBR's with the lowest performance. At the time of sampling, SBR 8 was decanting (discharging) at ~ 42 NTU's causing lower transmissivity and inadequate disinfection. All three UV-banks are on-line.			
<b>Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance and Actual/Potential Impact on Environmental Health (describe in detail) (e.g. Supplied drinking water to nearby well owners and informed well owners not to drink from wells until further notice)</b>  Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.			
<b>Permit Condition Deviation (Identify each permit condition exceeded during the event.)</b>			
<u>Parameter (e.g. BOD pH)</u>	<u>Permit Limit</u>	<u>Exceedance (sample result)</u>	<u>Sample Date</u>
Fecal coliform	Daily max 224 col/100ml	1500 col/100ml	03/16/2015
<b>Corrective Actions (Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of recurrence.)</b>  Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.			
<b>Environmental Damage: (if yes, provide details below)</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown			
<b>Actual /Potential Impact on Environment/Public Health (describe in detail)</b>  Unknown			
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.			
<b>Name:</b> Grieko Tempel	<b>Title:</b> Senior Operator	<b>Signature:</b>	<b>Date:</b> 03/26/2015

**FORMS MUST BE SENT TO ADEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.**





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## NONCOMPLIANCE NOTIFICATION

<b>GENERAL INFORMATION</b>		<b>PERMIT# (if any):</b> AK- 0022951
<b>Owner or Operator:</b> City and Borough of Juneau	<b>Facility Name:</b> Mendenhall WWTP	<b>Facility Location:</b> Juneau, AK
<b>Person Reporting:</b> Grieko Tempel	<b>Phone Numbers of Person Reporting:</b> 907-586-0393	<b>Reported How? (e.g. by phone):</b> Noncompliance hot-line 1-877-569-4114
<b>Date/Time Event was Noticed:</b> 03/26/2015 at 1140 hrs	<b>Date/Time Reported:</b> 03/26/2015 at 1345 hrs	<b>Name of DEC Staff Contacted:</b> N/A

**VERBAL NOTIFICATION MUST BE MADE TO ADEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE**

**INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)**

<b>Period of Noncompliance</b>	<b>Start Date/Time (exact):</b> 03/17/2015 at 0845 hrs	<b>End Date/Time (exact):</b> 03/18/2015 at 0900 hrs
--------------------------------	--------------------------------------------------------	------------------------------------------------------

**If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:**  
N/A

**Estimated Quantity involved (volume or weight):**  
1.84 MG (estimate, effluent discharged on 03/17/2015 )

**Description of the noncompliance and its cause (be specific):** The Mendenhall WWTF (MWWTF) is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). During the month of February of 2015, the MWWTF experienced a loss of solids via the effluent due to a change in SRT from 11 days to 12 days (done in an attempt to better treat incoming organic waste). The Mendenhall WWTF is an SBR facility with seven operating SBR's, utilizing an UV-system for effluent disinfection. Each SBR performs at a different rate due to a variety of factors (mainly loading and MLSS concentration). SBR 6 and SBR 8 are the SBR's with the lowest performance. At the time of sampling, SBR 6 was decanting (discharging) at ~ 29.5 NTU's causing lower transmissivity and inadequate disinfection. All three UV-banks are on-line.

**Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance and Actual/Potential Impact on Environmental Health (describe in detail) (e.g. Supplied drinking water to nearby well owners and informed well owners not to drink from wells until further notice)**

Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.

**Permit Condition Deviation (Identify each permit condition exceeded during the event.)**

<u>Parameter (e.g. BOD pH)</u>	<u>Permit Limit</u>	<u>Exceedance (sample result)</u>	<u>Sample Date</u>
Fecal coliform	Daily max 224 col/100ml	820 col/100ml	03/17/2015

**Corrective Actions (Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of recurrence.)**

Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.

**Environmental Damage: (if yes, provide details below)**       Yes       No       Unknown

**Actual /Potential Impact on Environment/Public Health (describe in detail)**

Unknown

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.

**Name:** Grieko Tempel      **Title:** Senior Operator      **Signature:**       **Date:** 03/26/2015

**FORMS MUST BE SENT TO ADEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.**





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## NONCOMPLIANCE NOTIFICATION

<b>GENERAL INFORMATION</b>		<b>PERMIT# (if any): AK-0022951</b>
<b>Owner or Operator:</b> City and Borough of Juneau	<b>Facility Name:</b> Mendenhall WWTP	<b>Facility Location:</b> Juneau, AK
<b>Person Reporting:</b> Grieko Tempel	<b>Phone Numbers of Person Reporting:</b> 907-586-0393	<b>Reported How? (e.g. by phone):</b> Via this notification (reporting a weekly violation)
<b>Date/Time Event was Noticed:</b> 03/30/2015	<b>Date/Time Reported:</b> Send with March 2015 DMR report	<b>Name of DEC Staff Contacted:</b> N/A

**VERBAL NOTIFICATION MUST BE MADE TO ADEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE**

**INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)**

<b>Period of Noncompliance</b>	<b>Start Date/Time (exact):</b> 03/16/2015	<b>End Date/Time (exact):</b> 03/20/2015
<p><b>If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:</b> The MWWTF started the perform better toward the last week of March 2015.</p>		
<p><b>Estimated Quantity involved (volume or weight):</b> 8.88 MGD (estimate, effluent discharged Monday 03/16/2015 through Friday 03/20/2015)</p>		
<p><b>Description of the noncompliance and its cause (be specific):</b> The Mendenhall WWTP (MWWTP) is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). During the month of February, the MWWTP started to experience a loss of solids via the effluent due to a change in SRT from 11 days to 12 days (done in an attempt to better treat incoming organic waste). The MWWTP is an SBR facility with seven operating SBR's utilizing an UV-system for effluent disinfection. Each SBR performs at a different rate due to a variety of factors (mainly loading and MLSS concentration). At the time of sampling on 03/16/2015 SBR 8 was decanting (1500 col/100ml) and on 03/17/2015 SBR 6 was decanting (820 col/100ml). These two daily violations are the reason for the weekly geometric mean to exceed the permit limit.</p>		
<p><b>Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance and Actual/Potential Impact on Environmental Health (describe in detail) (e.g. Supplied drinking water to nearby well owners and informed well owners not to drink from wells until further notice).</b></p> <p>Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.</p>		

**Permit Condition Deviation (Identify each permit condition exceeded during the event.)**

<u>Parameter (e.g. BOD pH)</u>	<u>Permit Limit</u>	<u>Exceedance (sample result)</u>	<u>Sample Date</u>
Fecal coliform	Weekly avg geo mean 168 col/100ml	183 col/100ml	03/16/2015 through 03/20/2015

**Corrective Actions (Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of recurrence.)**


Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.

**Environmental Damage: (if yes, provide details below)**       Yes       No       Unknown

**Actual /Potential Impact on Environment/Public Health (describe in detail)**

Unknown

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.

**Name:** Grieko Tempel      **Title:** Senior Operator      **Signature:**       **Date:** 04/09/2015

**FORMS MUST BE SENT TO ADEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.**





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## NONCOMPLIANCE NOTIFICATION

<b>GENERAL INFORMATION</b>		<b>PERMIT# (if any): AK-0022951</b>	
<b>Owner or Operator:</b> City and Borough of Juneau	<b>Facility Name:</b> Mendenhall WWTP	<b>Facility Location:</b> Juneau, AK	
<b>Person Reporting:</b> Gricko Tempel	<b>Phone Numbers of Person Reporting:</b> 907-586-0393	<b>Reported How? (e.g. by phone):</b> Via this notification (reporting a weekly violation)	
<b>Date/Time Event was Noticed:</b> 04/01/2015	<b>Date/Time Reported:</b> Send with March 2015 DMR report	<b>Name of DEC Staff Contacted:</b> N/A	

**VERBAL NOTIFICATION MUST BE MADE TO ADEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE**

**INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)**

<b>Period of Noncompliance</b>	<b>Start Date/Time (exact):</b> 03/01/2015	<b>End Date/Time (exact):</b> 03/31/2015
--------------------------------	--------------------------------------------	------------------------------------------

**If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:**  
The MWWTF started to perform better starting toward the last week of March 2015

**Estimated Quantity involved (volume or weight):**  
55.50 MGD ( effluent discharged 03/01/2015 through Friday 03/31/2015)

**Description of the noncompliance and its cause (be specific):** The Mendenhall WWTP (MWWTP) is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). During the month of February, the MWWTP started to experience a loss of solids via the effluent due to a change in SRT from 11 days to 12 days ( early December 2014,done in an attempt to better treat incoming organic waste). This appeared to be working for a short period. However, inventory built under the 12 day SRT to the point that it became difficult to contain it within the system. Chemical dosage of the inventory showed little or no improvement of settleability.

**Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance and Actual/Potential Impact on Environmental Health (describe in detail) (e.g. Supplied drinking water to nearby well owners and informed well owners not to drink from wells until further notice).**

Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.

**Permit Condition Deviation (Identify each permit condition exceeded during the event.)**

<u>Parameter (e.g. BOD pH)</u>	<u>Permit Limit</u>	<u>Exceedance (sample result)</u>	<u>Sample Date</u>
TSS concentration mg/l	Monthly avg. 30 mg/l	33.20 mg/l	03/01/2015 through 03/31/2015
BOD concentration mg/l	Monthly avg. 30 mg/l	38.65 mg/l	03/01/2015 through 03/31/2015
TSS percent removal (monthly)	Monthly avg. minimum 85 %	84.48 %	03/01/2015 through 03/31/2015

**Corrective Actions (Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of recurrence.)**

Operational strategies have been revised. The SRT has been reduced to 11 days and we are wasting to meet that target.

**Environmental Damage: (if yes, provide details below)**       Yes       No       Unknown

**Actual /Potential Impact on Environment/Public Health (describe in detail)**

Unknown

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**Name:** Grieko Tempel      **Title:** Senior Operator      **Signature:**      **Date:** 04/09/2015