

MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska January 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	TECAL COLIFORM /100 ml	
SUN	28	1.71	0.00	1.59	0.0760																				
MON	29	1.83	0.00	1.78	0.0918	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	0.01	1.79	0.0628	10.70	7.33	3.90	198.00	3066.78	370.00	5770.45	1180.00	18403.04	690.00	10761.10	12.10	6.98	3.02	15.00	223.93	23.00	343.36	4.00	
WED	31	1.90	0.00	1.77	0.0940	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		
THU	1	2.30	1.38	2.20	0.0851	10.40	7.36	4.75									12.30	6.94	2.72						
FRI	2	2.15	0.01	2.19	0.1268	11.30	7.53	4.18	248.00	4446.89	290.00	5199.99	492.00	8822.05	590.00	10579.29	11.50	6.92	2.56	21.00	383.56	27.00	493.14		
SAT	3	1.99	0.00	1.90	0.1102																				
SUN	4	1.85	0.00	1.82	0.0805																				
MON	5	1.97	0.00	1.92	0.0857	10.60	7.60	3.43	170.00	2793.07	220.00	3614.56	928.00	15246.85	410.00	6736.22	11.20	6.90	2.76	18.00	288.23	23.00	368.29	1.00	
TUE	6	1.79	0.30	1.81	0.0831	10.50	7.45	4.20	240.00	3582.86	230.00	3433.58					11.30	6.99	2.79	18.00	271.72	23.00	347.19	2.00	
WED	7	1.78	0.70	1.71	0.0839	10.90	7.52	3.30									12.00	6.88	2.45						
THU	8	1.73	0.01	1.71	0.0399	12.50	7.71	3.51									13.20	6.87	2.06						
FRI	9	1.80	0.01	1.77	0.0291	13.00	7.46	3.14	200.00	3002.40	360.00	5404.32	767.00	11514.20	650.00	9757.80	13.20	6.90	2.46	19.00	280.47	31.00	457.62		
SAT	10	1.67	0.02	1.65	0.0994																				
SUN	11	1.64	0.28	1.56	0.0898																				
MON	12	2.25	0.81	2.01	0.1019	12.10	7.40	3.35	250.00	4691.25	216.00	4053.24	5620.00	105459.3	510.00	9570.15	13.50	7.00	2.04	28.00	469.38	30.00	502.90	2.00	
TUE	13	2.48	0.21	2.29	0.0883	10.90	7.33	4.38	310.00	6411.79	604.00	12492.65	367.00	7590.73	420.00	8686.94	13.70	6.81	2.05	32.00	611.16	32.00	611.16	2.00	
WED	14	2.36	0.59	1.80	0.1032	11.20	7.32	3.73	236.00	4645.05	280.00	5511.07	1150.00	22634.76	440.00	8660.26	11.80	6.90	2.30	33.00	495.40	31.00	465.37		
THU	15	2.30	0.26	1.96	0.1151	10.40	7.12	4.26	160.00	3069.12	310.00	5946.42	610.00	11701.02	890.00	17071.98	12.10	6.81	2.43	45.00	735.59	42.00	686.55	43.00	
FRI	16	2.26	0.33	2.15	0.0806	11.50	7.42	4.00	184.00	3468.11	340.00	6408.46	985.00	18565.67	520.00	9801.17	12.00	6.81	2.14	34.00	609.65	40.00	717.24		
SAT	17	2.62	0.88	2.38	0.1142																				
SUN	18	2.07	0.11	1.99	0.0901																				
MON	19	2.63	0.56	2.47	0.0688	12.10	7.37	4.97									12.10	6.92	2.85						
TUE	20	2.65	1.23	2.45	0.1063	11.20	7.38	4.20	160.00	3536.16	200.00	4420.20	1350.00	29836.35	350.00	7735.35	12.60	6.87	2.60	27.00	551.69	26.00	531.26	10.00	
WED	21	4.42	1.98	4.05	0.1612	10.80	6.97	5.16	84.00	3096.48	360.00	13270.61	536.00	19758.46	400.00	14745.12	11.60	6.86	2.68	33.00	1114.84	58.00	1959.07	1.00	
THU	22	3.31	0.17	3.07	0.0832	11.40	7.19	6.02									10.70	6.75	2.31						
FRI	23	3.03	0.64	2.87	0.9945	10.60	7.76	5.56	210.00	5306.74	192.00	4851.88					11.10	6.89	2.26	31.00	742.01	36.00	861.69		
SAT	24	3.23	0.37	3.17	0.0861																				
SUN	25	3.33	0.50	3.21	0.1035																				
MON	26	3.08	0.01	2.81	0.0726	10.50	7.19	5.92	98.00	2517.35	120.00	3082.46					10.90	6.79	2.53	48.00	1124.90	35.00	820.24	12.00	
TUE	27	2.73	0.01	2.47	0.0840	10.70	7.15	5.56	156.00	3551.84	220.00	5009.00					10.90	6.90	2.60	40.00	823.99	26.00	535.58	37.00	
WED	28	2.54	0.41	2.21	0.1240	11.20	7.33	5.08	175.00	3707.13	290.00	6143.24					11.00	6.86	2.48	64.00	1179.61	35.00	645.10		
THU	29	2.45	0.23	2.18	0.1099	10.80	7.20	5.53	295.00	6027.74	400.00	8173.20	1570.00	32079.81	580.00	11851.14	11.40	6.86	2.24	38.00	684.55	33.00	594.48		
FRI	30	2.47	0.00	1.95	0.1059	11.00	7.32	5.54	160.00	3295.97	280.00	5767.94	573.00	11803.69	420.00	8651.92	12.10	6.84	2.99	60.00	975.78	45.00	731.84		
SAT	31	2.36	0.00	1.93	0.1060																				
TOTAL		75.24	12.01	69.64	3.81																				
MAXIMUM		4.42	1.98	4.05	0.99	13.00	7.76	6.02	310.00	6411.79	604.00	13270.61	5620.00	105459.30	890.00	17071.98	13.70	7.00	2.99	64.00	1179.61	58.00	1959.07	43.00	
MINIMUM		1.64	0.00	1.56	0.03	10.40	6.97	3.14	84.00	2517.35	120.00	3082.46	367.00	7590.73	350.00	6736.22	10.70	6.75	2.04	18.00	271.72	23.00	347.19	1.00	
AVERAGE *		2.43	0.39	2.25	0.12	11.16	7.37	4.54	196.24	3950.00	288.94	6046.05	1245.67	24584.41	515.00	10320.61	11.92	6.88	2.47	34.65	667.20	33.71	666.40	12.22	
nr of Analyses		31	31	31	31	22	22	22	17	12	17	17	12	12	12	12	22	22	22	17	17	17	17	9	0

Comments: See attached violations (4)	2014	Hrd. mg/l	70.00
		Hrd. mg/l	
		Atk. mg/l	
		D.O. mg/l	2.47
		Tox. Tuc	1.00
	2015	Copper	0.03
		Copper	
		Lead	ND
		Silver	ND
		Zinc	0.05
		***NH3 mg/L	15.00

WEEK	EFF. WEEKLY AVERAGE		IPS WEEKLY AVERAGE		WEEKLY % REMOVAL	
	BOD mg/l	TSS mg/l	BOD lbs	TSS lbs	COLIFORM	B.O.D.
1/15/2015						88.33
						88.33
1	24.50	386.73	18.25	288.77	332.50	5358.87
2	25.67	391.03	18.33	280.14	270.00	4150.82
3	35.00	596.64	34.40	584.23	350.00	6882.37
4	40.00	1117.34	30.33	802.78	250.67	7514.23
5	34.80	665.45	50.00	957.77	262.00	5635.17
MAX	40.00	1117.34	50.00	957.77	350.00	7514.23

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-Jan-15

TO 1-Jan-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.	*****	*****		*****	11.92	13.70		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		2.04	*****	2.99		0		
	Permit reqmt.	*****	*****		Report daily minimum	*****	Report daily maximum	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	666.40	1959.07		*****	33.71	58.00		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.	*****	*****		*****	288.94	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	1117.34	*****		*****	40.00	*****		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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
GRIEDO TEMPEL		907.586.0393	2015/02/12	
TYPED OR PRINTED		AREA NUMBER	Y M D	

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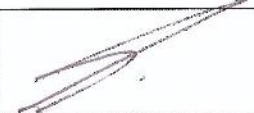
MONITORING PERIOD: 1-Jan-15

TO 1-Jan-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.	*****	*****		6.75	*****	7.00		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.	667.20	1179.61		*****	34.65	64.00		2		
	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.	*****	*****		*****	196.24	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		2X Monthly	24-Hr Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	957.77	*****		*****	50.00	*****		1		
	Permit reqmt.	1839 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		2X Monthly	24-Hr Composite

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TYPED OR PRINTED GRIEKO TEMPEL		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA NUMBER

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PERMIT NUMBER: AK0022951


MONITORING PERIOD: 1-Jan-15

TO 1-Jan-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.	*****	*****		*****	15.00	15.00		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.	*****	*****		*****	ND	ND		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.	*****	*****		*****	0.05	0.05		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.	*****	*****		*****	ND	ND		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		See Permit Requirements	24-Hr Composite

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<i>GRIEKO TEMPEL</i>		907.586.0393	2015/02/12
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y M D

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FACILITY: MENDENHALL WW TREATMENT FACILITY
 LOCATION: 2009 RADCLIFFE RD
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PERMIT NUMBER: AK0022951

MONITORING PERIOD: 1-Jan-15

TO 1-Jan-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.	0.0005	0.0005	lbs/day	*****	0.03	0.03	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.	*****	*****		*****	1.00	1.00	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.	2.25	4.05	MGD	*****	*****	*****		0	Continuous	Recorded
	Permit reqmt.	Report monthly average	4.9 daily maximum		*****	*****	*****				
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	12.22	43.00	cts/100 ml	0	Weekly	Grab
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum				

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		907.586.0395	2015/02/12
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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 LOCATION: 2009 RADCLIFFE RD
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PERMIT NUMBER: AK0022951

MONITORING PERIOD: 1-Jan-15

TO 1-Jan-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				
Fecal Coliform W - See Comments 74055	Sample meas.	*****	*****		*****	21.07	*****		0		
	Permit reqmt.	*****	*****		*****	400 weekly geometric mean	*****	cts/100 ml		Weekly	Grab
BOD5 Minimum % Removal K - Percent Removal 81010	Sample meas.	*****	*****		88.33	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal K - Percent Removal 81011	Sample meas.	*****	*****		88.33	*****	*****		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>GRIEKO TEMPEL</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 <i>907.586.0393</i>	DATE <i>2015/02/12</i>
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	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

NONCOMPLIANCE NOTIFICATION

GENERAL INFORMATION		PERMIT# (if any):
Owner or Operator: City and Borough of Juneau	Facility Name: Mendenhall WWTP	Facility Location: Juneau, AK
Person Reporting: Grieko Tempel	Phone Numbers of Person Reporting: 907-586-0393	Reported How? (e.g. by phone): Compliance hot-line 1-877-569-4114
Date/Time Event was Noticed: 02-10-2015	Date/Time Reported: 02-10-2015 at 1345 hrs	Name of DEC Staff Contacted: Compliance hot-line 1-877-569-4114

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)

Period of Noncompliance	Start Date/Time (exact): 2-08-2015 at 0930 AM	End Date/Time (exact): 2-09-2015 at 0930 AM
--------------------------------	------------------------------------------------------	----------------------------------------------------

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):
1.78 MG (estimate, volume of effluent discharged on 2-08-2015 from 00:00 hrs to 23:59 hrs)

Description of the noncompliance and its cause (be specific): The Mendenhall WWTP (MWWTP) is currently experiencing a loss of solids via the effluent. The MWWTP is operating under an operations plan that utilizes a moving Solids Retention Time (SRT) . In early December the SRT was increased from 11 days to 12 days to increase the system inventory in an attempt to better treat incoming organic loading. 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>
Fecal coliform	800 daily max.	21000 coll./100ml	2-09-2015

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: James Westcott **Title:** Senior Operator **Signature:**  **Date:** 2-13-2015



Alaska Department of Environmental Conservation

Division of Water, Compliance and Enforcement Program

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Anchorage, Alaska 99501

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

NONCOMPLIANCE NOTIFICATION

GENERAL INFORMATION		PERMIT# (if any):
Owner or Operator: City and Borough of Juneau	Facility Name: Mendenhall WWTP	Facility Location: Juneau, AK
Person Reporting: Grieko Tempel	Phone Numbers of Person Reporting: 907-586-0393	Reported How? (e.g. by phone): Compliance hot-line 1-877-569-4114
Date/Time Event was Noticed: 02-09-2015 at 0700 AM	Date/Time Reported: 02-09-2015 at 1535 hrs	Name of DEC Staff Contacted: Compliance hot-line 1-877-569-4114

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)

Period of Noncompliance	Start Date/Time (exact): 1-26-2015	End Date/Time (exact): unknown
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If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:
Unknown

Estimated Quantity involved (volume or weight):
Unknown

Description of the noncompliance and its cause (be specific):
The Mendenhall WWTP (MWWTP) is currently experiencing a loss of solids via the effluent. The MWWTP is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). In early December 2014 the SRT was increased from 11 days to 12 days to increase the system inventory in an attempt to better treat incoming organic loading. 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 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 from 12 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>
Biochemical Oxygen Demand	30 mg/l monthly avg.	33.7 mg/l	1-1-2015 through 1-30-2015

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 from 12 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:** Sr.Operator **Signature:**  **Date:** 02-12-2015



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NONCOMPLIANCE NOTIFICATION

GENERAL INFORMATION		PERMIT# (if any):
Owner or Operator: City and Borough of Juneau	Facility Name: Mendenhall WWTP	Facility Location: Juneau, AK
Person Reporting: Gricko Tempel	Phone Numbers of Person Reporting: 907-586-0393	Reported How? (e.g. by phone): Compliance hot-line 1-877-569-4114
Date/Time Event was Noticed: 02-09-2015 at 0700 AM	Date/Time Reported: 02-09-2015 at 1535 hrs	Name of DEC Staff Contacted: Compliance hot-line 1-877-569-4114

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)

Period of Noncompliance	Start Date/Time (exact): 1-26-2015	End Date/Time (exact): unknown
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If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:
Unknown

Estimated Quantity involved (volume or weight):
Unknown

Description of the noncompliance and its cause (be specific):
The Mendenhall WWTP (MWWTP) is currently experiencing a loss of solids via the effluent. The MWWTP is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). In early December 2014 the SRT was increased from 11 days to 12 days to increase the system inventory in an attempt to better treat incoming organic loading. 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 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 from 12 days and we are wasting to meet that target.

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


Parameter (e.g. BOD pH)	Permit Limit	Exceedance (sample result)	Sample Date
Total Suspended Solids	30 mg/l monthly avg.	34.7 mg/l	1-1-2015 through 1-30-2015

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 from 12 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: Gricko Tempel **Title:** Sr. Operator **Signature:**  **Date:** 02-12-2015



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NONCOMPLIANCE NOTIFICATION

GENERAL INFORMATION		PERMIT# (if any):
Owner or Operator: City and Borough of Juneau	Facility Name: Mendenhall WWTP	Facility Location: Juneau, AK
Person Reporting: Grieko Tempel	Phone Numbers of Person Reporting: 907-586-0393	Reported How? (e.g. by phone): Compliance hot-line 1-877-569-4114
Date/Time Event was Noticed: 02-09-2015 at 0700 AM	Date/Time Reported: 02-09-2015 at 1535 hrs	Name of DEC Staff Contacted: Compliance hot-line 1-877-569-4114

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)

Period of Noncompliance	Start Date/Time (exact): 1-26-2015	End Date/Time (exact): unknown
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If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue:
Unknown

Estimated Quantity involved (volume or weight):
Unknown

Description of the noncompliance and its cause (be specific):
The Mendenhall WWTP (MWWTP) is currently experiencing a loss of solids via the effluent. The MWWTP is operating under an operations plan that utilizes a moving Solids Retention Time (SRT). In early December 2014 the SRT was increased from 11 days to 12 days to increase the system inventory in an attempt to better treat incoming organic loading. 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 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 from 12 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>
Total Suspended Solids	45 mg/l weekly avg.	50 mg/l	1-26-2015 through 1-30-2015

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 from 12 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:** Sr.Operator **Signature:**  **Date:** 02-12-2015



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NONCOMPLIANCE NOTIFICATION

GENERAL INFORMATION		PERMIT# (if any):
Owner or Operator: City and Borough of Juneau	Facility Name: Mendenhall WWTP	Facility Location: Juneau, AK
Person Reporting: Grieko Tempel	Phone Numbers of Person Reporting: 907-586-0393	Reported How? (e.g. by phone): Compliance hot-line 1-877-569-4114
Date/Time Event was Noticed: 02-09-2015 at 0700 AM	Date/Time Reported: 02-09-2015 at 1535 hrs	Name of DEC Staff Contacted: Compliance hot-line 1-877-569-4114

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)

Period of Noncompliance	Start Date/Time (exact): 1-28-2015 at 0915 AM	End Date/Time (exact): 1-29-2015 at 0915 AM
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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):
2.21 MG (estimate, volume of effluent discharged on 1-28-2015 from 00:00 hrs to 23:59 hrs)

Description of the noncompliance and its cause (be specific): The Mendenhall WWTP (MWWTP) is currently experiencing a loss of solids via the effluent. The MWWTP is operating under an operations plan that utilizes a moving Solids Retention Time (SRT) . In early December the SRT was increased from 11 days to 12 days to increase the system inventory in an attempt to better treat incoming organic loading. 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>
Total Suspended Solids	60 mg/l daily max.	64 mg/l	1-28-2015

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:** 2-10-2015