

JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY
February 2016

Juneau, Alaska

WEATHER		FLOW			INFLUENT							EFFLUENT												
DAY	DATE	TEMP °F	RAIN FALL INCHES	J-D TTL EFFL MGD	TEMP °C	pH	D.O. mg/L	T.S.S. mg/L	T.S.S. LBS	BOD mg/L	BOD LBS	TEMP °C	pH	D.O. mg/L	T.S.S. mg/L	T.S.S. LBS	BOD mg/L	BOD LBS	Effluent FC /100 ml	Effluent Entero /100 ml	Channel FC /100 ml	Channel Entero /100 ml	Effluent Ammonia mg/L	
SUN	31	32.6	0.05	0.79																				
MON	1	34.2	0.18	0.74	9.9	7.4	5.8					9.0	7.20	4.9										
TUE	2	35.5	0.61	0.71	9.6	7.4	5.4	215.0	1264.1	290.0	1705.1	9.7	7.4	4.4	1.0	5.9	3.4	20.0	1.0				7.6	
WED	3	36.4	0.30	0.77	9.5	7.3	4.3	270.0	1727.1	380.0	2430.8	10.0	7.2	5.7	1.0	6.4	5.0	32.0						
THU	4	38.9	0.18	1.12	8.7	7.6	4.6					10.3	7.3	4.3										
FRI	5	36.7	0.61	0.81	10.9	8.1	5.0					11.1	7.1	6.1										
SAT	6	36.5	0.30	0.82																				
SUN	7	34.8	0.16	0.79																				
MON	8	36.3	0.07	0.90	9.5	7.3	4.9					9.5	7.2	4.6										
TUE	9	40.2	0.26	0.82	9.5	7.3	5.0	118.0	810.9	190.0	1305.7	9.9	7.2	4.6	1.0	6.9	2.0	13.7	1.0					
WED	10	41.5	0.25	1.03	8.8	7.4	5.6	155.0	1330.2	220.0	1888.0	9.6	7.1	4.7	1.0	8.6	2.4	20.6						
THU	11	44.4	0.37	0.79	8.7	7.5	6.7					10.0	7.2	4.6										
FRI	12	43.8	0.13	0.74	7.8	7.4	3.5					11.4	7.3	5.2										
SAT	13	41.5	0.20	0.94																				
SUN	14	40.9	0.10	0.78																				
MON	15	38.6	0.20	0.71	9.8	7.3	4.9					10.0	7.2	6.4										
TUE	16	39.2	0.01	0.71	10.4	7.4	3.7	248.0	1462.3	330.0	1945.8	10.0	7.3	4.6	1.0	5.9	3.0	17.7	7.0					
WED	17	35.0	0.00	0.69	9.4	7.5	4.1	315.0	1807.4	410.0	2352.5	10.8	7.2	4.3	1.0	5.7	4.9	28.1						
THU	18	29.6	0.00	0.56	10.7	7.5	3.7					10.9	7.2	5.8										
FRI	19	31.1	0.00	0.65	9.1	7.4	2.2					9.6	7.4	4.4										
SAT	20	36.7	0.02	0.66																				
SUN	21	42.1	0.03	0.71																				
MON	22	37.7	0.17	0.67	10.0	7.2	4.9					9.8	7.3	6.9										
TUE	23	35.4	0.00	0.65	10.0	7.4	3.6	245.0	1324.1	370.0	1999.6	10.3	7.3	4.4	1.0	5.4	4.1	22.2	5.0					
WED	24	39.5	0.00	0.92	10.6	7.4	1.6	210.0	1607.8	280.0	2143.7	10.2	7.3	5.0	1.0	7.7	4.2	32.2						
THU	25	41.9	0.70	0.92	8.4	7.6	7.3					10.0	7.2	4.9										
FRI	26	43.0	0.56	0.82	8.9	7.5	5.7					10.4	7.2	4.5										
SAT	27	43.8	0.2	0.75																				
TOTAL			5.66	21.93																				
MAXIMUM		44.4	0.70	1.12	10.9	8.1	7.3	315.0	1807.4	410.0	2430.8	11.4	7.4	6.9	1.0	8.6	5.0	32.2	7.0					
MINIMUM		29.6	0.00	0.56	7.8	7.2	1.6	118.0	810.9	190.0	1305.7	9.0	7.1	4.3	1.0	5.4	2.0	13.7	1.0					
AVERAGE		38.1	0.20	0.78	9.5		4.6	222.0	1416.7	308.8	1971.4	10.2		5.0	1.0	6.6	3.6	23.3	2.4					
Number Of Analyses		28	28	28	20	20	20	8	8	8	8	19	19	20	8	8	8	8	4	0	0	0	0	1

EFFLUENT				
Ammonia	mg/L	Copper	ug/L	Toxicity
	7.6		N/A	N/A
RECEIVING WATER				
Salinity	mg/l	temp	pH	Toxicity
N/A	N/A	N/A	N/A	N/A

85%	
B.O.D.	98.8
S.S.	99.5

Weekly TSS BOD	EFFLUENT				Weekly Coliform
	TSS		BOD		
	mg/l	lbs	mg/l	lbs	
Aver					Geo Mean
WEEK1	1.0	6.1	4.2	26.0	1.0
WEEK2	1.0	7.7	2.2	17.2	1.0
WEEK3	1.0	5.8	4.0	22.9	7.0
WEEK4	1.0	6.5	4.2	27.2	5.0
MAX	1.0	7.7	4.2	27.2	7.0

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Samantha Stoughtenger
 MAILING ADDRESS: 2009 Radcliffe Road
 Juneau, AK 99801

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

PERMIT NUMBER: AK0023213

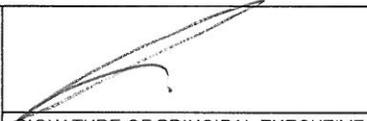
MONITORING PERIOD: 2/1/2016

TO 2/29/2016

OUTFALL / MONITORING POINT: 001

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.	*****	*****		*****	*****	11.4		0		
	Permit reqmt.	*****	*****		*****	*****	Report daily maximum	DEG.C		5X Weekly	Grab
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		4.3	*****	6.9		0		
	Permit reqmt.	*****	*****		2.0 daily minimum	*****	17 daily maximum	mg/l		5X Weekly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	23.3	32.2		*****	3.6	5.0		0		
	Permit reqmt.	690 monthly average	1,380 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) G - Influent 00310	Sample meas.	1971.4	*****		*****	308.8	*****		0		
	Permit reqmt.	report monthly average	*****	lbs/day	*****	report monthly average	*****	mg/l		Monthly	24-Hr Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	*****	27.2		*****	4.2	*****		0		
	Permit reqmt.	*****	1,035 weekly average	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GRIEKO TEMPEL SENIOR 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.	TELEPHONE 907.586.0293 AREA NUMBER	DATE 16/02/16 Y M D
	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Samantha Stoughtenger
 MAILING ADDRESS: 2009 Radcliffe Road
 Juneau, AK 99801

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

PERMIT NUMBER: AK0023213
 OUTFALL / MONITORING POINT: 001

MONITORING PERIOD: 2/1/2016 TO 2/29/2016
 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.	*****	*****		7.1	*****	7.4		0		
	Permit reqmt.	*****	*****		6.5 minimum	*****	8.5 maximum	S.U.		5X Weekly	Grab
Total Suspended Solids 1 - Final Effluent 00530	Sample meas.	6.6	8.6		*****	1.0	1.0		0		
	Permit reqmt.	690 monthly average	1,380 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		Monthly	24-Hr Composite
Total Suspended Solids G - Influent 00530	Sample meas.	1416.7	*****		*****	222.0	*****		0		
	Permit reqmt.	report monthly average	*****	lbs/day	*****	report monthly average	*****	mg/l		Monthly	24-Hr Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	*****	7.7		*****	1.0	*****		0		
	Permit reqmt.	*****	1,035 weekly average	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	24-Hr Composite
Ammonia Nitrogen (as N) 1 - Final Effluent 00610	Sample meas.	*****	*****		*****	7.6	7.6		0		
	Permit reqmt.	*****	*****		*****	14 monthly average	30 daily maximum	mg/l		Monthly	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>GRIFFIN TEMPEL</i> <i>SENIOR OPERATOR</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>16/02/14</i>
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)

CONTACT NAME: Samantha Stoughtenger
 MAILING ADDRESS: 2009 Radcliffe Road
 Juneau, AK 99801

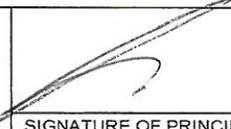
FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

PERMIT NUMBER: AK0023213
 OUTFALL / MONITORING POINT: 001

MONITORING PERIOD: 2/1/2016

TO 2/29/2016
 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) W - See Comments 00610	Sample meas.	*****	*****		*****	7.6	*****		0		
	Permit reqmt.	*****	*****		*****	21 weekly average	*****	mg/l		Monthly	24-Hr Composite
Copper Total Recoverable 1 - Final Effluent 01119	Sample meas.	*****	*****		*****	*****	N/A		N/A		
	Permit reqmt.	*****	*****		*****	*****	Report daily maximum	ug/l		Quarterly	24-Hr Composite
Flow 1 - Final Effluent 50050	Sample meas.	0.78	1.12		*****	*****	*****		0		
	Permit reqmt.	2.76 monthly average	6.0 daily maximum	MGD	*****	*****	*****			Continuous	Recorded
Enterococci 1 - Final Effluent 61211	Sample meas.	*****	*****		*****	*****	N/A		N/A		
	Permit reqmt.	*****	*****		*****	*****	Report daily maximum	cts/100 ml		See Permit Requirements	Grab
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	2.4	7.0		0		
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Weekly	Grab

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GRIFFIN TEMPEL SENIOR OPERATOR TYPED OR PRINTED		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	907. 586. 0193 AREA NUMBER

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Samantha Stoughtenger
 MAILING ADDRESS: 2009 Radcliffe Road
 Juneau, AK 99801

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

PERMIT NUMBER: AK0023213
 OUTFALL / MONITORING POINT: 001

MONITORING PERIOD: 2/1/2016

TO 2/29/2016
 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.	*****	*****		*****	7.0	*****		0		
	Permit reqmt.	*****	*****		*****	400 weekly average	*****	cts/100 ml		Weekly	Grab
BOD5 Minimum % Removal K - Percent Removal 81010	Sample meas.	*****	*****		98.8	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal K - Percent Removal 81011	Sample meas.	*****	*****		99.5	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation

COMMENTS:

W = weekly average;

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>SENIOR OPERATOR</i> 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.	TELEPHONE <i>907.586.0393</i> AREA NUMBER	DATE <i>1/6/03/10</i> Y M D
	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Mark Mow
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801
 PERMIT NUMBER: AK0023213

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

MONITORING PERIOD: 2/1/2016 TO 2/29/2016
 MONITORING POINT: 002 (N-11) (P) Sta AE NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Biochemical Oxygen Demand (BOD5)	Sample meas. 1 - Final Effluent 00310 P	report monthly average	report daily maximum	lbs/day	***** *****	report monthly average	report daily maximum	mg/l		When Discharging	Grab
Total Suspended Solids	Sample meas. 1 - Final Effluent 00530 P	report monthly average	report daily maximum	lbs/day	***** *****	report monthly average	report maximum monthly average	mg/l		When Discharging	Grab
Coliform, fecal MF, M-FC broth, 44.5 C	Sample meas. 1 - Final Effluent 31616 P	***** *****	***** *****		***** *****	report monthly geometric mean	report daily maximum	cts/100 ml		When Discharging	Grab
Flow	Sample meas. 1 - Final Effluent 50050 P	***** *****	report daily maximum	MGD	***** *****	***** *****	***** *****			When Discharging	Recorded
Duration of Discharge	Sample meas. 1 - Final Effluent 81381 P	***** *****	Report daily maximum	min/day	***** *****	***** *****	***** *****			When Discharging	Recorded

COMMENTS:

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617
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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
TYPED OR PRINTED MARK J. MOW / SR. OPERATOR	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	907-740-2525	3/1/16
		AREA NUMBER	Y M D

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Mark Mow
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801
 PERMIT NUMBER: AK0023213

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

MONITORING PERIOD: 2/1/2016 TO 2/29/2016
 MONITORING POINT: 003 (N11.2) (Q) Sta C NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310 Q	Sample meas.				*****						
	Permit reqmt.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab
Total Suspended Solids 1 - Final Effluent 00530 Q	Sample meas.				*****						
	Permit reqmt.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab
Coliform, fecal MF, M-FC broth, 44.5 C 1 - Final Effluent 31616 Q	Sample meas.	*****	*****		*****						
	Permit reqmt.	*****	*****		*****	Report monthly geometric mean	Report daily maximum	cts/100 ml		When Discharging	Grab
Flow 1 - Final Effluent 50050 Q	Sample meas.	*****			*****	*****	*****				
	Permit reqmt.	*****	Report daily maximum	MGD	*****	*****	*****			When Discharging	Recorded
Duration of Discharge 1 - Final Effluent 81381 Q	Sample meas.	*****			*****	*****	*****				
	Permit reqmt.	*****	report daily maximum	min/day	*****	*****	*****			When Discharging	Recorded

COMMENTS:

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<i>MARK F. MOW / SR. OPERATOR</i>		907-790-2525	3/1/16
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)

CONTACT NAME: Mark Mow
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

PERMIT NUMBER: AK0023213

MONITORING PERIOD: 2/1/2016 TO 2/29/2016

MONITORING POINT: 004 (N-15.1) (R) Douglas NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310 R	Sample meas.				*****						
	Permit reqmt.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab
Total Suspended Solids 1 - Final Effluent 00530 R	Sample meas.				*****						
	Permit reqmt.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab
Coliform, fecal MF, M-FC broth, 44.5 C 1 - Final Effluent 31616 R	Sample meas.	*****	*****		*****						
	Permit reqmt.	*****	*****		*****	Report monthly geometric mean	Report daily maximum	cts/100 ml		When Discharging	Grab
Flow 1 - Final Effluent 50050 R	Sample meas.				*****	*****	*****				
	Permit reqmt.	Report monthly average	Report daily maximum	MGD	*****	*****	*****			When Discharging	Recorded
Duration of Discharge 1 - Final Effluent 81381 R	Sample meas.	*****			*****	*****	*****				
	Permit reqmt.	*****	report daily maximum	min/day	*****	*****	*****			When Discharging	Instantaneous Reading

COMMENTS:

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MARK J. MOW / SR. OPERATOR TYPED OR PRINTED			907-990-2525	3/1/16
			AREA NUMBER	Y M D