

JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

Juneau, Alaska

April 2013

DAY	WEATHER				FLOWS				INFLUENT						EFFLUENT								
	DATE	TEMP °F	RAIN FALL INCHES	J-D TITL EPFL MGD	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG ** mg/L	FOG LBS	NH3 mg/L	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG ** mg/L	FOG LBS	FECAL Coliform /100 ml	Ammonia as N mg/l	
SUN	31	39	0.26	0.704				78	458	15	10.6	6.9	5.2									4	
MON	1	38	0.08	1.017				57	483	15	9.0	6.9	4.5								4		
TUE	2	37	0.39	0.847				46	321	10	9.5	6.9	4.6										
WED	3	36	0.18	0.739	82	505	257	1584	64	394	8	9.5	6.9	4.6	9	55	31	8	46			8	
THU	4	36	0.00	0.627				51	266	10	9.6	7.0	4.6										
FRI	5	32	0.00	0.651				58	314	10	10.3	7.0	4.8										
SAT	6	34	0.10	0.660				58	319	10													
SUN	7	41	0.03	0.617				53	273	10													
MON	8	41	0.01	1.125				56	524	17	11.0	7.1	4.2									7	
TUE	9	39	0.71	1.392				79	911	10	9.0	6.8	4.6	17	129	12	91	7	81	2			
WED	10	34	0.48	0.908	260	1969	249	1886	43	327	9.8	6.8	4.6										
THU	11	33	0.15	0.877				56	406	10	10.2	6.9	4.5										
FRI	12	39	0.03	0.668				36	198	10													
SAT	13	38	0.00	0.646				67	361	10													
SUN	14	39	0.00	0.628				66	343	10													
MON	15	39	0.00	0.609				62	315	19	10.9	7.1	4.5								3	8	
TUE	16	37	0.00	1.011				54	455	10	10.9	7.0	4.4										
WED	17	39	0.70	0.815				52	353	6	10.1	6.9	4.6									6	
THU	18	37	0.16	0.684				48	274	10	10.0	6.8	4.3										
FRI	19	36	0.05	0.751	268	1679	345	2161	43	269	10.8	6.6	4.9	7	44	4	25	8	47				
SAT	20	36	0.00	0.496				50	207	10													
SUN	21	37	0.00	0.588				63	306	10													
MON	22	36	0.00	0.702						103	11.1	6.6	4.3										
TUE	23	38	0.25	0.624				103	533	10	10.7	6.8	4.5										
WED	24	41	0.26	1.083	364	3288	279	2520	52	470	11.0	4.4	6.7	4	36	3	16	8	72				
THU	25	40	0.74	2.180				45	809	10	11.1	6.8	4.4										
FRI	26	34	1.65	2.449				29	582	10	8.8	6.6	7.2										
SAT	27	36	0.80	1.718																			
TOTAL			7.03	25.82																			
MAXIMUM		41	1.65	2.45	364	3288	345	2520	103	911	11.1	7.1	7.2	17	129	12	91	8	81	4		8	
MINIMUM		32	0.00	0.50	82	505	249	1584	29	198	8.8	4.4	4.2	4	36	3	16	0	46	2		4	
AVERAGE*		37	0.251	0.92	244	1860	283	2038	56	403	10.2	6.8	4.8	9	66	6	41	6	62	3		6	
Number Of Analysis		28	28	28	4	4	4	4	26	5	20	20	20	4	4	4	4	4	4	4	3	5	

85%	
B.O.D.	98
S.S.	96

Comments: *Geometric mean is used to calculate the average fecal coliform colonies. ** FOG samples are composite samples

Weekly TSS BOD	
Aver.	mg/l
WEEK1	9
WEEK2	17
WEEK3	7
WEEK4	4
MAX	17
Weekly TSS	
Aver.	lbs
WEEK1	55
WEEK2	129
WEEK3	44
WEEK4	36
MAX	129
Weekly BOD	
Aver.	mg/l
WEEK1	5
WEEK2	12
WEEK3	4
WEEK4	3
MAX	12
Weekly Coliform	
Aver.	Geo. Mean
WEEK1	31
WEEK2	91
WEEK3	25
WEEK4	16
MAX	91

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 0.1)

External Outfall
*** NO DISCHARGE ***

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)
NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Tom Trego, WW Utilities Superintendent

AK-002321-3
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2013	3	31	
YR	MO	DAY	TO
2013	4		27

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE		VALUE	VALUE	UNITS			
Temperature, water deg. C	*****	*****	*****	****	*****	11.1	deg.C	0		
00010 10 Effluent Gross	*****	*****	*****	*****	*****	REPORT DAILY MAX		0	WEEKDAYS	GRAB
Oxygen, dissolved (DO)	*****	*****	*****	****	*****	7.2		0		
00300 10 Effluent Gross	*****	*****	*****	*****	*****	17	mg/L	0	WEEKLY	GRAB
BOD, 5-day, 20 deg. C	*****	*****	*****	*****	*****	DAILY MIN.		0		
00310 10 Effluent Gross	*****	*****	*****	****	*****	6	mg/L	0	MONTHLY	COMP24
BOD, 5-day, 20 deg. C	*****	*****	*****	****	*****	30	mg/L	0		
00310 G 0 Raw Sewage Influent	*****	*****	*****	*****	*****	MO AVG		0	MONTHLY	COMP24
BOD, 5-day, 20 deg. C	*****	*****	*****	****	*****	283		0		
00310 W 0 See Comments	*****	*****	*****	****	*****	Req. Mon. MO AVG	mg/L	0	MONTHLY	COMP24
pH	*****	*****	*****	****	*****	12		0		
00400 10 Effluent Gross	*****	*****	*****	****	*****	45	mg/L	0	MONTHLY	COMP24
Solids, Total suspended	*****	*****	*****	****	*****	WKLY AVG		0		
00530 10 Effluent Gross	*****	*****	*****	****	*****	7.1		0	WEEKDAYS	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	*****	*****	*****	****	*****	8.5	SU	0	MONTHLY	COMP24
Tom Trego W/W Utilities Superintendent	*****	*****	*****	****	*****	MAXIMUM		0		
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the 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.										

907 AREA CODE
586-0393 TELEPHONE
2013 YEAR
5 MO
10 DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
[Signature]

TYPED OR PRINTED
COMMENT AND EXPLANATION OF ANY VIOLATIONS
The reporting period was from 03/31/2013 through 04/27/2013.
EPA Form 3320-1 (Rev.01/06) Previous editions may be used. PAGE 1 OF 3

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801
 MAJOR (SUB 01) \$

External Outfall
 *** NO DISCHARGE

AK-002321-3
 PERMIT NUMBER

001 A
 DISCHARGE NUMBER

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
 ADDRESS: 155 SOUTH SEWARD,
 JUNEAU, ALASKA 99801
 FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
 LOCATION: JUNEAU, ALASKA 99801
 ATT: Tom Trego, WW Utilities Superintendent

MONITORING PERIOD			
YR	MO	DAY	TO
2013	3	31	
YEAR	MO	DAY	TO
2013	4		27

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS	UNITS			
Solids, Total suspended	*****	*****	*****	*****	*****	244	*****	*****	0		
00530 G 0 Raw Sewage Influent	*****	*****	*****	*****	*****	Req. Mon MO AVG	*****	mg/L	0	Monthly	COMP24
Solids, Total suspended	66	*****	*****	*****	*****	9	*****		0		
00530 W 0	1035	*****	*****	lb/d	*****	45	*****	mg/L	0	Monthly	COMP24
See Comments	*****	*****	*****	*****	*****	WKLY AVG	*****		0		
Nitrogen, ammonia total (as N)	#REF!	#REF!	#REF!	*****	*****	#REF!	#REF!		0		
00610 1 0 Effluent Gross	Req. Mon. MO AVG	Req. Mon. DAILY MAX	*****	lb/d	*****	Req. Mon. MO AVG	*****	mg/L	0	Semi-annual	COMP24
Coliform, fecal MF, broth 44.5 C	*****	*****	*****	*****	*****	7	#REF!		0		
31616 1 0 Effluent Gross	*****	*****	*****	*****	*****	400	1200	#100/ml	0	Weekly	GRAB
Coliform, fecal MF, broth 44.5 C	*****	*****	*****	*****	*****	7	DAILY MAX		0		
31616 W 0	*****	*****	*****	*****	*****	800	*****	#100/ml	0	Weekly	GRAB
See Comments	*****	*****	*****	*****	*****	WKLY GEO	*****		0		
Flow, in conduit or through treatment plant	0.9220	2.4490	*****	*****	*****	*****	*****	*****	0		
50050 1 0 Effluent Gross	2.76	6.0	Mgal/d	*****	*****	*****	*****		0	Continuous	RCORDR
BOD, 5-day, percent removal	*****	*****	*****	*****	*****	98	*****	*****	0		
81010 K 0 Percent Removal	*****	*****	*****	*****	*****	85	*****	Percent	0	Monthly	CALCTD
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the 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/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Trego W/W Utilities Superintendent											
TYPED OR PRINTED SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) The reporting period was from 03/31/2013 through 04/27/2013.											

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 01)

External Outfall
*** NO DISCHARGE ***

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Tom Trego, WW Utilities Superintendent

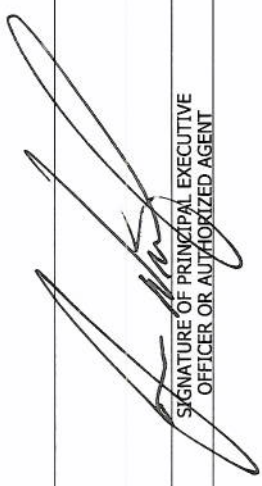
AK-002321-3
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD

YR 2013 MO 3 DAY 31 TO YR 2013 MO 4 DAY 27

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
Solids, Total suspended, percent removal	*****	*****	*****	96	*****	*****	0		
81011 K 0 0	*****	*****	*****	85	*****	*****			
Percent removal	*****	*****	*****	MN % RMV	*****	*****		MONTHLY	CALCTD



NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Trego W/W Utilities Superintendent	ARCA CODE 907	TELEPHONE 586-0393
	PHONE NUMBER DATE	
TYPED OR PRINTED	YEAR 2013	MO 5
COMMENT AND EXPLANATION OF ANY VIOLATIONS The reporting period was from 03/31/2013 through 04/27/2013.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 01)
UPSTREAM RECEIVING WATER
External Outfall
*** NO DISCHARGE ***

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

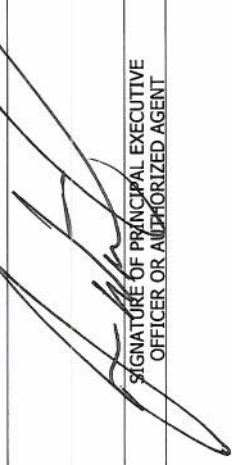
NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Tom Trego, WW Utilities Superintendent

AK-002321-3
PERMIT NUMBER

REC-1
DISCHARGE NUMBER

MONITORING PERIOD					
YR	MO	DAY	YEAR	MO	DAY
2013	3	31	2013	4	27
FROM			TO		

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Coliform, fecal MF, broth 44.5 C	*****	*****		*****	*****		0		
31616 10 Effluent Gross	*****	*****		*****	*****	Req. Mon. #/ DAILY MAX ML100		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Trego W/W Utilities Superintendent	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the 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 AREA CODE 586-0393
TYPED OR PRINTED		PHONE NUMBER DATE 2013 YEAR 5 MO 10 DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		
COMMENT AND EXPLANATION OF ANY VIOLATIONS The reporting period was from 03/31/2013 through 04/27/2013.		

Alaska Department of Environmental Conservation Conservation Monitoring Report (DMR)

CONTACT NAME: Tom Trego
 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: 4/1/2013 TO 4/30/2013


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				
Biochemical Oxygen Demand (BOD5)	report monthly average	report daily maximum	lbs/day	*****	*****	mg/l		When Discharging	Grab
1 - Final Effluent 00310 P				report monthly average	report daily maximum				
Total Suspended Solids				*****	*****				
1 - Final Effluent 00530 P	report monthly average	report daily maximum	lbs/day	*****	*****	mg/l		When Discharging	Grab
Coliform, fecal MF, M-FC broth, 44.5 C	*****	*****		*****	*****				
1 - Final Effluent 31616 P	*****	*****		report monthly geometric mean	report daily maximum	cts/100 ml		When Discharging	Grab
Flow	*****	report daily maximum	MGD	*****	*****				
1 - Final Effluent 50050 P	*****	report daily maximum		*****	*****			When Discharging	Recorded
Duration of Discharge	*****	Report daily maximum	min/day	*****	*****				
1 - Final Effluent 81381 P	*****	Report daily maximum		*****	*****			When Discharging	Recorded

COMMENTS:

Mail this report when completed to ADEEC, 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	TELEPHONE: 907 790 2525	DATE: 5/6/2013
Tomy Stornich w/w Collection Surpl	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: 	AREA NUMBER Y M D
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 truthful personal property gainer and evaluate the information submitted. Based on my inquiry of the person or persons who provided the information, the information is 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.		

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


CONTACT NAME: Tom Trego
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: 4/1/2013 TO 4/30/2013
MONITORING POINT: 003 (N11.2) (Q) Sta C NO DISCHARGE: **X**

Parameter	Sample meas. Permit reqmt.	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. Permit reqmt.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab
Total Suspended Solids	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	Sample meas. Permit reqmt.	*****	*****		*****	Report monthly geometric mean	Report daily maximum	cts/100 ml		When Discharging	Grab
Flow	Sample meas. Permit reqmt.	*****	Report daily maximum	MGD	*****	*****	*****			When Discharging	Recorded
Duration of Discharge	Sample meas. Permit reqmt.	*****	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
 Attach an explanation of any violations. Reference all attachments below.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
TONY SPAINICH w/w COLLECTIONS SUPV.	907-790-2525	5/6 2013
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER
		Y I M I D

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(s) who prepared 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.

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

CONTACT NAME: Tom Trego
 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: 4/1/2013 TO 4/30/2013
 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)	Report monthly average	Report daily maximum	lbs/day	Report monthly average	Report daily maximum	*****	mg/l	When Discharging	Grab	
1 - Final Effluent 00310 R										
Total Suspended Solids	Report monthly average	Report daily maximum	lbs/day	Report monthly average	Report daily maximum	*****	mg/l	When Discharging	Grab	
1 - Final Effluent 00530 R										
Coliform, fecal MF, M-FC broth, 44.5 C	Report monthly average	Report daily maximum	cts/100 ml	Report monthly geometric mean	Report daily maximum	*****		When Discharging	Grab	
1 - Final Effluent 31616 R										
Flow	Report monthly average	Report daily maximum	MGD	*****	*****	*****		When Discharging	Recorded	
1 - Final Effluent 50050 R										
Duration of Discharge	Report monthly average	Report daily maximum	min/day	*****	*****	*****		When Discharging	Instantaneous Reading	
1 - Final Effluent 81381 R										
COMMENTS:										

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	TELEPHONE	DATE
TONY STONICH W/W Collectors SUPV.	907-790 2525	4/5 2013
TYPED OR PRINTED	AREA NUMBER	Y M D

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 the information submitted is 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