

Juneau Douglas Treatment Plant
FEBRUARY 2013

Juneau, Alaska

WEATHER			FLOWS			INFLUENT						EFFLUENT											
DAY	DATE	TEMP OF	RAIN INCHES	J-D TFL EFFL MGD	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG ** mg/L	FOG ** LBS	Ammonia as N 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 /180 days	
SUN	27	25	0.19	0.865																			
MON	28	8	0.12	0.808							26	9.5	7.2	5.7									1
TUE	29	12	0.31	0.755								8.8	7.1	5.8									1
WED	30	25	0.66	0.640	189	1009	230	1228	47	248		9.3	7.2	5.6	4	21	3	16	5	27			
THU	31	31	0.36	0.808								9.4	7.1	5.1									
FRI	1	35	0.44	1.826					59			10.4	7.1	5.4									
SAT	2	39	0.45	2.210																			
SUN	3	37	1.20	1.755																			
MON	4	34	0.30	2.910							7	9.8	7.2	5.1									1
TUE	5	35	0.00	3.720	205	6360	186	5771				8.9	7.1	5.8	5	155	3	93				2	
WED	6	34	0.00	4.210					49	1703		9.4	7.2	5.1									
THU	7	36	0.08	3.680								10.2	7.2	5.3									
FRI	8	36	0.73	2.950								9.8	6.9	5.8									
SAT	9	39	0.52	1.455																			
SUN	10	39	0.90	1.926																			
MON	11	36	0.61	1.431							5	8.3	7.2	5.4									8
TUE	12	33	0.11	0.986								8.8	7.3	5.3									
WED	13	34	0.04	0.893	188	1400	171	1274	54	402		8.6	7.1	5.4	14	104	18	134	9	63	100		
THU	14	37	0.11	1.748								9.4	6.8	5.4									
FRI	15	38	0.37	1.837					110	1678		8.1	6.7	6.2									
SAT	16	35	0.40	1.020					27	225													
SUN	17	33	0.10	0.962					28	225													
MON	18	35	0.30	1.197					48	479		8.8	6.9	6.1									75
TUE	19	36	0.17	1.137					37	351		9.7	7.0	5.5									
WED	20	37	0.47	1.358	241	2729	350	3964	38	430	7	9.4	7.1	5.9	6	68	6	65				2	
THU	21	37	0.30	1.155					34	323		10.4	7.2	6.1									
FRI	22	36	0.19	0.999					58	483		9.9	7.0	5.5									
SAT	23	34	0.10	0.990					31	252													
TOTAL			9.53	46.25																			
MAXIMUM		39	1.20	4.21	241	6360	350	5771	110	1703	26	10.4	7.3	6.2	14	155	18	134	9	88	100	8	
MINIMUM		8	0.00	0.64	188	1009	171	1228	27	225	5	8.1	6.7	5.1	4	21	3	16	3	27	1	1	
AVERAGE *		33	0.34	1.65	206	2875	234	3059	47	567	11	9.3		5.6	7	87	7	77	5	59	46	2	
Number Of Analyses		28	28	28	4	4	4	4	15	12	5	20	20	20	4	4	4	4	4	5	4	4	8

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

85%	
B.O.D.	97
S.S.	96

Weekly TSS, BOD Aver.	WEEKLY AVERAGE			Weekly Coliform Geo. Mean
	TSS mg/l	BOD lbs	BOD mg/l	
WEEK1	4	21	3	16
WEEK2	5	155	3	93
WEEK3	14	104	18	134
WEEK4	6	68	6	65
MAX	14	155	18	134

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

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

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

External Outfall
*** NO DISCHARGE

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

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

FROM

YR	MO	DAY	TO
2013	1	27	

MONITORING PERIOD		
YR	MO	DAY
2013	2	23

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	VALUE	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE			MINIMUM	MAXIMUM	MO AVG				
Temperature, water deg. C	PERMIT MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0		
00010 1 0 Effluent Gross	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKDAYS	GRAB
Oxygen, dissolved (DO)	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0		
00300 10 Effluent Gross	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0		
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	77	134		*****	*****	*****	*****	*****	0	WEEKLY	GRAB
00310 10 Effluent Gross	PERMIT MEASUREMENT	690	1380	lbs/d	*****	*****	*****	*****	*****	0		
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0		
00310 G 0 Raw Sewage Influent	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0		
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	134	*****		*****	*****	*****	*****	*****	0		
00310 W 0 See Comments	PERMIT MEASUREMENT	1035	*****	lbs/d	*****	*****	*****	*****	*****	0		
pH	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0		
00400 1 0 Effluent Gross	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0		
Solids, Total suspended	SAMPLE MEASUREMENT	87	155		*****	*****	*****	*****	*****	0		
00530 1 0 Effluent Gross	PERMIT MEASUREMENT	690	1380	lbs/d	*****	*****	*****	*****	*****	0		

TYPED OR PRINTED

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom Trego
WW Utilities Superintendent

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Tom Trego

907 AREA CODE
586-0393 TELEPHONE
PHONE NUMBER
2013 YEAR
3 MO
10 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS
(Reference all attachments here)

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.

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

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

PERMITTEE NAME/ADDRESS/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
ATTN: Tom Trego, WW Utilities Superintendent

AK-002321-3
PERMIT NUMBER

External Outfall
*** NO DISCHARGE

001 A
DISCHARGE NUMBER

FROM

MONITORING PERIOD			
YR	MO	DAY	TO
2013	1	27	2013
			2013

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE		VALUE	VALUE	VALUE			
Solids, Total suspended	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	COMP24
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	COMP24
00530 G 0 Raw Sewage Influent	SAMPLE MEASUREMENT	155	*****	*****	*****	*****	*****	0	Monthly	COMP24
	PERMIT REQUIREMENT	1035 WKLY AVG	*****	*****	*****	*****	*****	0	Monthly	COMP24
00530 W 0 See Comments	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	COMP24
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Monthly	COMP24
00610 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Semi-annual	COMP24
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Semi-annual	COMP24
31616 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Weekly	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Weekly	GRAB
Coliform, fecal MF, broth 44.5 C	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Weekly	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Weekly	GRAB
31616 W 0 See Comments	SAMPLE MEASUREMENT	1.65	4.21	*****	*****	*****	*****	0	Weekly	GRAB
	PERMIT REQUIREMENT	2.76 MO AVG	6.0 DAILY MAX	*****	*****	*****	*****	0	Continuous	RECORDR
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Continuous	RECORDR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Continuous	RECORDR
BOD, 5-day, percent removal	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Continuous	RECORDR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Continuous	RECORDR
81010 K 0 Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	Continuous	RECORDR
	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	Continuous	RECORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom Trego
WW Utilities Superintendent

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE
586-0393 TELEPHONE
3 MO DATE
10 DAY CALCTD

TYPED OR PRINTED
COMMENT AND EXPLANATION OF ANY VIOLATIONS
The reporting period was from 01/27/2013 through 02/23/2013.
(Reference all attachments here)

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
2013	1	27
TO		
YEAR	MO	DAY
2013	2	23

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom Trego
WW Utilities Superintendent

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS
(Reference all attachments here)

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE
586-0393 TELEPHONE
2013 YEAR
3 MO
10 DAY

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

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

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

AK-002321-3
PERMIT NUMBER

REC-1
DISCHARGE NUMBER

FROM

MONITORING PERIOD			
YR	MO	DAY	TO
2013	1	27	2013
YEAR	MO	DAY	YEAR
2013	2	23	2013

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE		VALUE	UNITS	Req. Mon. #/ DAILY MAX			
Coliform, fecal MF, broth 44.5 C	*****	*****	*****		40		0	1	Monthly	GRAB
31616 10 Effluent Gross	*****	*****	*****							

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom Trego
WW Utilities Superintendent

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TYPED OR PRINTED _____
COMMENT AND EXPLANATION OF ANY VIOLATIONS _____
(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Tom Trego

TELEPHONE
907 AREA CODE: 586-0393
PHONE NUMBER: _____
DATE: 2013 MO 3 DAY 10