

EPA REPORT

JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY
Juneau, Alaska

November 2011

DAY	DATE	TEMP OF	WEATHER			INFLUENT			EFFLUENT									
			RAIN FALL INCHES	J-D TTS EFFL MGD	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL Coliform /100 ml	Ammonia as N mg/l 1/180 days	Ammonia as N lbs/day 1/180 days
SUN	30	42	0.65	1.9510														
MON	31	39	0.67	2.3940														
TUE	1	40	1.05	2.8500														
WED	2	33	0.00	1.2570	60	629	221	2317	9.0	6.9	5.9	9	94	7	70	5		
THU	3	27	0.00	1.0190					7.8	6.8	7.2							
FRI	4	31	0.36	0.9830					8.2	6.8	6.8							
SAT	5	33	0.16	1.1960					8.4	6.7	5.7							
SUN	6	37	0.57	2.3200														
MON	7	37	0.32	1.5580					11.2	6.7	5.5							
TUE	8	36	0.01	1.1010					10.5	6.6	5.5							
WED	9	32	0.00	0.9890					8.5	7.0	5.5							
THU	10	35	0.49	1.6990					8.4	7.0	5.5							
FRI	11	33	0.10	1.3690					8.9	6.9	5.4							
SAT	12	36	1.24	3.1490														
SUN	13	34	0.69	1.7500														
MON	14	32	0.70	1.1600					6.7	6.7	6.1							
TUE	15	32	0.16	1.2140					6.7	6.5	6.0							212
WED	16	33	0.29	1.4220					7.9	6.9	6.2							
THU	17	25	0.00	0.9630					7.1	6.7	6.2							
FRI	18	17	0.00	0.7920					6.9	6.8	7.5							
SAT	19	15	0.00	0.8020														
SUN	20	14	0.00	0.8950														
MON	21	28	0.10	0.9820					11.9	6.6	6.2							
TUE	22	30	0.18	0.9910					11.2	6.7	5.9							
WED	23	29	0.58	1.0350					11.8	6.5	6.1							85
THU	24	38	0.08	1.0420					11.9	7.3	3.9							
FRI	25	30	0.20	0.9970					10.7	7.3	4.8							
SAT	26	29	0.00	0.9830														
TOTAL			8.60	38.8630														
MAXIMUM		42	1.24	3.1490	60	629	221	2317	11.9	7.3	7.5	9.0	94	7	70	736	N/A	N/A
MINIMUM		14	0.00	0.7920	60	629	221	2317	6.7	6.5	3.9	9.0	94	7	70	5	N/A	N/A
AVERAGE		31	0.307	1.3880	60	629	221	2317	9.1	6.8	5.9	9.0	94	7	70	210	N/A	N/A
Number of Analyses		28	28	28	1	1	1	1	20	20	20	1	1	1	1	5	0	0

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

	Copper	N/A	N/A	ug/L
NH3	N/A	N/A	N/A	mg/L
NH3	N/A	N/A	N/A	lbs

Weekly	TSS BOD		TSS		BOD		Weekly Coliform Geo. Mean
	Aver.	mg/l	mg/l	lbs	mg/l	lbs	
WEEK1	9	94	9	94	7	70	5
WEEK2							94
WEEK3							212
WEEK4							85

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

DMR Mailing ZIP CODE: 99801
MAJOR (SUB 01) 5

PERMITTEE NAME/ADDRESS/Include Facility name/Location if different
JUNEAU, CITY AND BOROUGH OF
155 SOUTH SEWARD,
JUNEAU, ALASKA 99801

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

MONITORING PERIOD			
YR	MO	DAY	TO
2011	10	30	2011 11 26

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE		VALUE	VALUE	VALUE	UNITS			
Temperature, water deg C	00010 10	*****	*****	****	*****	*****	*****	11.9	0		
Effluent Gross	00010 10	*****	*****	*****	*****	*****	REPORT DAILY MAX				
Oxygen, dissolved (DO)	00300 10	*****	*****	****	3.9	*****	DAILY MAX	7.5	0	WEEKDAYS	GRAB
Effluent Gross	00300 10	*****	*****	*****	*****	*****	DAILY MIN.	2			
BOD, 5-day, 20 deg C	00310 10	*****	*****	*****	*****	*****	DAILY MAX	7	0	WEEKLY	GRAB
Effluent Gross	00310 10	690	1380	lbs/d	30	60	DAILY MAX	7	0		
BOD, 5-day, 20 deg C	00310 10	MO AVG	DAILY MAX	lbs/d	MO AVG	DAILY MAX					
Raw Sewage Influent	00310 G 0	*****	*****	****	*****	*****	DAILY MAX	221	0		
BOD, 5-day, 20 deg C	00310 G 0	*****	*****	*****	*****	*****	DAILY MAX	7	0		
See Comments	00310 W 0	1035	*****	lbs/d	45	*****	DAILY MAX	7	0		
PH	00400 1 0	*****	*****	****	6.5	*****	DAILY MAX	7.3	0		
Effluent Gross	00400 1 0	*****	*****	*****	*****	*****	DAILY MAX	9	0		
Solids, Total suspended	00530 1 0	94	94	lbs/d	9	9	DAILY MAX	9	0		
Effluent Gross	00530 1 0	690	1380	lbs/d	30	60	DAILY MAX	9	0		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Tom Trego WW 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.									
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT									
COMMENT AND EXPLANATION OF ANY VIOLATIONS	The reporting period was from 10/30/2011 through 11/26/2011. (Reference all attachments here)										

Patricia Q. Mendenhall
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE
586-0393 TELEPHONE
PHONE NUMBER
2011 YEAR
12 MO
10 DAY

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)

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

External Outfall
*** NO DISCHARGE ***

MONITORING PERIOD			
YR	MO	DAY	TO
2011	10	30	2011 11 26

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
	VALUE	VALUE	VALUE		VALUE	VALUE	VALUE	VALUE	UNITS					
Solids - Total suspended	MEASUREMENT	*****	*****	*****	60	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
Raw Sewage Influent	PERMIT	*****	*****	*****	Req. Mon MO AVG	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
Solids - Total suspended	SAMPLE	94	*****	*****	9	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
00530 W 0	PERMIT	1035	*****	*****	45	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
See Comments	REQUIREMENT	WPLY AVG	*****	*****	WPLY AVG	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
Nitrogen, ammonia total (as N)	SAMPLE	N/A	*****	*****	N/A	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
00610 1 0	MEASUREMENT	N/A	*****	*****	N/A	*****	*****	*****	0	*****	*****	0	Monthly	COMP24
Effluent Gross	PERMIT	Req. Mon. MO AVG	*****	*****	Req. Mon. MO AVG	*****	*****	*****	0	*****	*****	0	Semi-annual	COMP24
Coliform, fecal MF, broth 44.5 C	REQUIREMENT	*****	*****	*****	400 MO GEO	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
31616 1 0	SAMPLE	*****	*****	*****	212	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
Effluent Gross	MEASUREMENT	*****	*****	*****	1200 DAILY MAX	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
Coliform, fecal MF, broth 44.5 C	PERMIT	*****	*****	*****	400 MO GEO	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
31616 W 0	SAMPLE	*****	*****	*****	212	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
See Comments	PERMIT	*****	*****	*****	800 WPLY GEO	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
Flow in conduit or through treatment plant	REQUIREMENT	*****	*****	*****	800 WPLY GEO	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
50050 1 0	SAMPLE	1.39	*****	*****	*****	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
Effluent Gross	MEASUREMENT	2.76 MO AVG	*****	*****	*****	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
BOD - 5-day, percent removal	PERMIT	*****	*****	*****	*****	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
81010 K 0	SAMPLE	*****	*****	*****	97	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
Percent Removal	MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	REQUIREMENT	*****	*****	*****	85 MN % RMV	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
Tom Trego	PERMIT	*****	*****	*****	*****	*****	*****	*****	0	*****	*****	0	Weekly	GRAB
WW Utilities Superintendent	PERMIT	*****	*****	*****	*****	*****	*****	*****	0	*****	*****	0	Weekly	GRAB

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.

John Q. McAnk
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE
586-0393 TELEPHONE
PHONE NUMBER
2011 YEAR
12 MO DATE
10 DAY

The reporting period was from 10/30/2011 through 11/26/2011.

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)

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

External Outfall
*** NO DISCHARGE ***

MONITORING PERIOD				YEAR	MO	DAY
FROM	2011	10	30	TO	2011	11 26

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom Trego
W/W Utilities Superintendent

TYPE OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
Tom Trego

907 AREA CODE
586-0393 TELEPHONE
2011 YEAR
12 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

AK-002321-3
PERMIT NUMBER

REC-1
DISCHARGE NUMBER

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

MONITORING PERIOD			YEAR	MO	DAY
FROM	2011	10	30	TO	2011
					11
					26

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE		VALUE	VALUE	UNITS			
Coliform, fecal MF, broth 44,5 C		*****	*****		N/A		0			
Effluent Gross		*****	*****		Req. Mon. DAILY MAX	#/ ML100			Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom Trego
WW Utilities Superintendent

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Tom Trego
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907 AREA CODE
586-0393 PHONE NUMBER
2011 YEAR
12 MO
10 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS
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