

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) JUNEAU, CITY AND BOROUGH OF, 155 SOUTH SEWARD, JUNEAU, ALASKA 99801

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			
FROM	TO	DAY	NO. OF SAMPLES
2011	2011	29	6
2011	2011	5	25

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	VALUE	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	MO AVG			DAILY MAX	MINIMUM	MO AVG				
Temperature, water deg. C	PERMIT MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0	17.1	deg.C
00010 10 Effluent Gross	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	REPORT DAILY MAX	deg.C
Oxygen, dissolved (DO)	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0	7.1	deg.C
00300 10 Effluent Gross	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	17	mg/L
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	24.9	27	*****	*****	*****	*****	*****	*****	0	4	mg/L
00310 10 Effluent Gross	PERMIT MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0	60	mg/L
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0	555	mg/L
00310 G 0 Raw Sewage Influent	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	4	mg/L
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	26.6	*****	*****	*****	*****	*****	*****	*****	0	4	mg/L
00310 W 0 See Comments	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	45	mg/L
pH	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****	*****	0	7.0	mg/L
00400 10 Effluent Gross	PERMIT MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	8.5	SU
Solids, Total suspended	SAMPLE MEASUREMENT	69	72	*****	*****	*****	*****	*****	*****	0	12	SU
00530 10 Effluent Gross	PERMIT MEASUREMENT	690	1380	lbs/d	*****	*****	*****	*****	*****	0	30	mg/L

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

Signature of Principal Executive Officer: *Tom Trego*

907 AREA CODE  
586-0393 TELEPHONE  
DATE PHONE NUMBER

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
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.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
The reporting period was from 05/29/2011 through 06/25/2011.  
EPA Form 3320-1 (Rev 01/09) 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)

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

AK-002321-3  
PERMIT NUMBER


001 A  
DISCHARGE NUMBER

FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT  
LOCATION: JUNEAU, ALASKA 99801  
ATT: Tom Trego, WW Utilities Superintendent

FROM

MONITORING PERIOD			
YR	MO	DAY	TO
2011	5	29	

YEAR	MO	DAY
2011	6	25

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	VALUE		VALUE	VALUE	VALUE	VALUE			
Solids, Total suspended	SAMPLE MEASUREMENT	*****	*****	*****	*****	304.5	*****	*****	*****	0	Monthly	COMP24
00530 G 0	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon MO AVG	*****	*****	*****	0	Monthly	COMP24
Raw Sewage Influent	SAMPLE MEASUREMENT	72	*****	*****	*****	12	*****	*****	*****	0	Monthly	COMP24
00530 W 0	PERMIT REQUIREMENT	1035	*****	*****	*****	45	*****	*****	*****	0	Monthly	COMP24
See Comments	SAMPLE MEASUREMENT	N/A	N/A	*****	*****	N/A	N/A	N/A	*****	0	Monthly	COMP24
Nitrogen, ammonia total (as N)	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Semi-annual	COMP24
00610 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	7	*****	*****	*****	0	Weekly	GRAB
Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	400	*****	*****	*****	0	Weekly	GRAB
Coliform, fecal MF, broth 44.5 C	SAMPLE MEASUREMENT	*****	*****	*****	*****	15	*****	*****	*****	0	Weekly	GRAB
31616 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	800	*****	*****	*****	0	Weekly	GRAB
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
Coliform, fecal MF, broth 44.5 C	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
31616 W 0	SAMPLE MEASUREMENT	0.85	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
See Comments	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
Flow, in conduit or through treatment plant	SAMPLE MEASUREMENT	2.76	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
50050 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
BOD, 5-day, percent removal	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
81010 K 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
Percent Removal	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR
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 the system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons or persons who manage the system, or those persons directly responsible for entering 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.											
Tom Trego w/w Utilities Superintendent	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
907 AREA CODE	TELEPHONE 586-0393											
2011 YEAR	PHONE NUMBER 7 10											
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) The reporting period was from 05/29/2011 through 06/25/2011.												

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 \*\*\*

FROM

YR	MO	DAY
2011	5	29

MONITORING PERIOD

YEAR	MO	DAY
2011	6	25

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Solids, Total suspended, percent removal	81011 K 0 0	*****	*****	*****	96.6	*****	*****	0		
Percent removal		*****	*****	*****	85	*****	*****		MONTHLY	CALCTD

**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*

**907** AREA CODE  
**586-0393** TELEPHONE  
**2011** YEAR  
**7** 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,  
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**FACILITY:** JUNEAU-DOUGLAS TREATMENT PLANT  
**LOCATION:** JUNEAU, ALASKA 99801  
**ATTN:** 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

MONITORING PERIOD			
YR	MO	DAY	TO
2011	5	29	2011
			2011
			6
			25

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE		VALUE	VALUE	VALUE				
Coliform, fecal MF, broth 44.5 C	*****	*****	*****		N/A			0			
31616 1 0	*****	*****	*****		Req. Mon. #/ DAILY MAX	ML100				Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom Trego  
w/w Utilities Superintendent

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*Tom Trego*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

The reporting period was from 05/29/2011 through 06/25/2011.

# JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

EPA REPORT

Juneau, Alaska

June 2011

DAY	DATE	WEATHER			INFLUENT			EFFLUENT										
		TEMP °F	RAIN FALL INCHES	J-D TTL EFFL MG/D	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	29	53	0.04	0.6960				17.1	6.5	7.1								
MON	30	58	0.00	0.7590				14.8	6.7	5.4	9.0	66	3.61	27	2.0			
TUE	31	61	0.00	0.8840	249	1836	396	14.9	6.9	4.9								
WED	1	59	0.00	0.8990				14.5	6.8	5.2								
THU	2	57	0.00	0.7900				14.7	6.8	5.4								
FRI	3	56	0.00	0.9070														
SAT	4	48	0.21	0.8340														
SUN	5	51	0.04	0.6940														
MON	6	53	0.03	0.7580				15.2	6.7	6.0					4.0			
TUE	7	59	0.00	0.7810				16.0	6.8	4.7								
WED	8	54	0.00	0.6980				15.9	6.7	3.3								
THU	9	51	0.03	0.7220	360	2168	713	14.2	6.6	5.9	12	72	4	23				
FRI	10	50	0.03	0.6890				13.3	6.6	5.9								
SAT	11	51	0.01	0.8350														
SUN	12	54	0.01	0.5370														
MON	13	54	0.07	1.1180				15.1	6.5	4.6					15			
TUE	14	52	1.18	1.7040				14.6	6.8	4.7								
WED	15	52	0.02	1.0060				13.9	6.7	5.3								
THU	16	55	0.00	0.9200				13.2	6.6	5.3								
FRI	17	54	0.00	0.8700				15.8	7.0									
SAT	18	54	0.15	1.0770														
SUN	19	53	0.23	0.8920														
MON	20	55	0.18	0.9670				14.3	6.5	5.9								
TUE	21	57	0.00	0.7950				14.6	6.8	5.5					15			
WED	22	61	0.00	0.8030				15.5	6.7	5.7								
THU	23	57	0.01	0.7480				15.4	6.6	5.4								
FRI	24	59	0.01	0.6910				16.0	6.7	4.7								
SAT	25	57	0.02	0.6370														
TOTAL			2.27	23.7110														
MAXIMUM		61	1.18	1.7040	360	2168	713	17.1	7.0	7.1	12.0	72	4	27	15	N/A	N/A	
MINIMUM		48	0.00	0.5370	249	1836	396	13.2	6.5	3.3	9.0	66	4	23	2	N/A	N/A	
AVERAGE		55	0.081	0.8468	305	2002	555	15.0	6.7	5.3	10.5	69	4	25	7	N/A	N/A	

% REMOVAL	
B.O.D.	99
S.S.	97

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

Weekly	TSS BOD		TSS		BOD		Weekly Coliform Geo Mean
	Aver.	mg/l	lbs	mg/l	lbs		
WEEK1	9	66	4	27	2		
WEEK2	12	72	4	25	4		
WEEK3					15		
WEEK4					15		