

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

MAJOR (SUB 01)  
 F - FINAL  
 EFFLUENT  
 \*\*\* NO DISCHARGE \*\*\*  
**NOTE: Read instructions before completing this form.**

Form Approved.  
 OMB No. 2040-0004

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:** Scott Jeffers WW Utilities Superintendent

**AK-002321-3**  
 PERMIT NUMBER

**001 A**  
 DISCHARGE NUMBER

MONITORING PERIOD						
YR	MO	DAY	TO	YEAR	MO	DAY
2007	6	1		2007	6	30

PARAMETER	QUANTITY OR LOADING	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
		AVERAGE	MAXIMUM	UNITS	MINIMUM				AVERAGE	MAXIMUM	UNITS	
TEMPERATURE, WATER DEG, CENTIGRADE 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	****	*****	*****	19.0	(04)	0	5/7	GRAB	
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	****	2.6	*****	4.8	(19)	0	1/7	GRAB	
BOD, 5-DAY (20 DEG. C) 00310 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	****	2.0	*****	17.0	MG/L	0	ONCE/WEEK	GRAB	
BOD, 5-DAY (20 DEG. C) 00310 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	79.3	*****	(26)	*****	9.8	*****	(19)	0	1/30	COMP 24	
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	79.3	79.3	(26)	*****	9.8	9.8	(19)	0	1/30	COMP 24	
pH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	****	6.6	*****	7.0	(12)	0	5/7	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	****	6.0	*****	8.5	SU	0	WEEK DAYS	GRAB	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <b>Scott Jeffers</b> Wastewater 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.				*****		356	*****	(19)	0	1/30	COMP 24
TYPED OR PRINTED					*****		REPORT MO AVG	*****	MG/L			

*Scott Jeffers*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**907** **586-0393**  
 AREA CODE PHONE NUMBER  
 DATE  
 2007 7 10  
 YEAR MO DAY

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

The reporting period was from **06/03/2007** through **06/30/2007**.

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PERMIT NUMBER

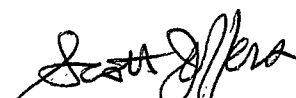
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YR	MO	DAY	TO	YEAR	MO	DAY
2007	6	1		2007	6	30

PARAMETER	QUANTITY OR LOADING	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE			
		AVERAGE	MAXIMUM	UNITS	MINIMUM				AVERAGE	MAXIMUM	UNITS
SOLIDS, TOTAL SUSPENDED 00530 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	476.2	*****	(26)	*****	62.8	*****	(19)	1		
	PERMIT REQUIREMENT	1035 WKLY AVG	*****	LBS/DAY	*****	45 WKLY AVG	*****	MG/L		ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	204.4	1529.6	(26)	*****	25.9	200.0	(19)	2	5/7	GRAB
	PERMIT REQUIREMENT	690 MO AVG	1380 DAILY MAX	LBS/DAY	*****	30 MO AVG	60 DAILY MAX	MG/L		ONCE/MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N/A	N/A	(26)	*****	N/A	N/A	(19)	0	1/180	
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	LBS/DAY	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L		SEMI-ANNUAL	COMP 24
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	N/A	N/A	(19)	0	1/90	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L		ONCE/QUARTER	GRAB
COLIFORM, FECAL MF M-FC BROTH, 44.5 C 31616 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	*****	450	*****	(13)	0	1/7	
	PERMIT REQUIREMENT	*****	*****	****	*****	800 WKLY GEO	*****	#/ML100		ONCE/WEEK	COMP 24
COLIFORM, FECAL MF M-FC BROTH, 44.5 C 31616 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	130	450	(13)	0	1/7	
	PERMIT REQUIREMENT	*****	*****	****	*****	400 MO GEO	1200 DAILY MAX	#/ML100		ONCE/WEEK	COMP 24
FLOW, IN CONDUIT, OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.9576	1.3130	(03)	*****	*****	*****	****	0	7/7	
	PERMIT REQUIREMENT	2.76 MO AVG	6.0 DAILY MAX	MGD	*****	*****	*****	****		CONTINUOUS	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**Scott Jeffers**  
**Wastewater 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.

  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
**907** AREA CODE **586-0393**

PHONE NUMBER  
DATE

2007 YEAR 7 MO 10 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
**The reporting period was from 06/03/2007 through 06/30/2007.**

(Reference all attachments here)



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**AK-002321-3**  
PERMIT NUMBER

**REC-1**  
DISCHARGE NUMBER

MONITORING PERIOD						
YR	MO	DAY	TO	YEAR	MO	DAY
2007	6	1		2007	6	30

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COLIFORM, FECAL MF M-FC BROTH, 44.5 C 31616 1 0 0 EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	(26)	*****	*****	6.0	(13)	0	1/30	
	PERMIT REQUIREMENT	*****	*****	LBS/DAY	*****	*****	REPORT DAILY MAX	#/ ML100		ONCE/MO MAY-OCT	GRAB
	MEASUREMENT	*****	*****	****	*****	*****	*****	****		AND 1/180	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****		2 TIMES NOV- APR	
	MEASUREMENT	*****	*****	****	*****	*****	*****	****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****			
	MEASUREMENT	*****	*****	****	*****	*****	*****	****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****			
	MEASUREMENT	*****	*****	****	*****	*****	*****	****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****			
	MEASUREMENT	*****	*****	****	*****	*****	*****	****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	****			

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**CITY/BOROUGH OF JUNEAU**  
ALASKA'S CAPITAL CITY

**FAXED & MAILED**

Fax: 206-553-1280

June 29, 2007

David Domingo  
USEPA, Region 10  
Mailstop OCE-133  
1200 Sixth Avenue  
Seattle, WA 98101

Reference: NPDES Permit No. AK-002321-3  
CERTIFIED MAIL: 7003 1010 0003 6219 6267

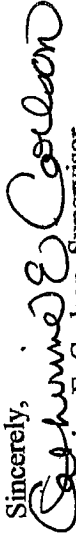
Dear Mr. Domingo,

This letter will reiterate my call made to the noncompliance hotline on 06/26/2007 at approximately 11:30a.m., Alaska Daylight Time regarding the violation for exceeding the effluent T.S.S. mg/L daily allowable limit as outlined in section 1.A.1. On 06/24/2007, we discharged 200mg/L, our limit is 60mg/l for the daily max. We also violated our suspended solids poundage by discharging 1530lbs, exceeding our daily allowable limit of 1380lbs. On Friday 6/29/2007 I left a message on your phone reporting that we had also violated our weekly average suspended solids concentration with a weekly average of 63mg/l exceeding our limit of 45mg/l. We were in the process of bringing our second clarifier back on line. Although it had been in operation for well over a week it had been experiencing problems with the solids not drafting back to the return as efficient as was with first clarifier that was brought back on line. Corrective measures were taken to reduce the sludge blanket level in the clarifier. On Tuesday morning, suspecting a blown or loose coupler on the return line, we dropped the level in the clarifier for inspection. At that point, it was discovered that the return sludge line was almost completely plugged with rags. After the blockage was cleared we were again able to control the sludge blanket level in the clarifier and were able to see an improvement in the effluent quality.

If you have any questions or concerns, please contact me at (907) 586-5329.

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Sincerely,

  
Catherine E. Carlson, Supervisor  
Juneau-Douglas Treatment Plant

copy: Shawn Stokes, ADEC-Juneau  
Joe Buck, CBJ-Director of Public Works  
Scott Jeffers, CBJ-Wastewater Utility Superintendent  
DMR, EPA copy  
DMR, plant copy

# JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

Juneau, Alaska

June 2007

## EPA REPORT

		WEATHER			INFLUENT					EFFLUENT									
DAY	DATE	TEMP °F	RAIN FALL INCHES	HIGH TIDE FEET	J-D TTL 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	3	57	0.01	16.6	0.9370	658	5142						24.0	188					
MON	4	58	0.03	16.3	0.9200	258	1980			15.9	7.0	4.8	18.8	144					
TUE	5	53	0.03	15.8	0.9680	367	2963	233	1881	16.6	6.9	4.6	20.4	165	9.8	79			
WED	6	50	0.05	15.0	1.0110	238	2007			16.4	6.9	4.2	16.0	135			44.0		
THU	7	47	0.32	14.4	1.1120	290	2689			16.7	7.0	3.5	14.5	134					
FRI	8	52	0.04	14.9	0.8510					15.8	6.9	4.3							
SAT	9	58	0.00	15.6	0.8420														
SUN	10	57	0.04	16.5	0.9890	308	2540						12.8	106					
MON	11	50	0.50	17.3	1.3130	310	3395			15.0	7.0	3.3	10.4	114					
TUE	12	50	0.05	18.0	1.1190	202	1885			15.8	6.8	3.0	13.6	127					
WED	13	53	0.00	14.8	0.9130	323	2459			16.3	6.9	2.6	10.4	79			124.0		
THU	14	54	0.00	18.6	0.9150	111	847			15.6	6.9	2.8	15.0	114					
FRI	15	60	0.00	18.8	1.0270					16.4	6.9	3.1							
SAT	16	58	0.00	18.6	0.8300														
SUN	17	53	0.00	18.1	0.9670	274	2210						10.8	87					
MON	18	49	0.12	17.2	0.9240	464	3576			16.0	6.9	3.4	7.6	59					
TUE	19	56	0.00	16.0	0.9460	464	3661			16.2	6.8	3.9	8.8	69					
WED	20	56	0.23	14.7	1.0760	680	6102			17.0	7.0	3.5	9.2	83			117		
THU	21	52	0.12	14.2	1.0410	228	1979			17.1	6.6	4.3	12.0	104					
FRI	22	55	0.00	14.0	0.8340					16.8	6.9	3.7							
SAT	23	53	0.00	14.0	0.7960														
SUN	24	52	0.01	14.1	0.9170	416	3181						200.0	1530					
MON	25	51	0.09	14.4	0.9070	524	3964			15.8	6.9	3.6	50.0	378					
TUE	26	57	0.00	14.9	0.7790	416	2703			16.4	6.8	4.0	16.0	104					
WED	27	57	0.13	15.4	0.9670	265	2137			17.4	7.0	3.9	9.2	74			450		
THU	28	59	0.10	13.1	0.9070	324	2451			19.0	7.0	3.2	39.0	295					
FRI	29	55	0.09	16.0	1.0480					18.1	6.9	2.6							
SAT	30	54	0.17	16.6	0.9570														
TOTAL			2.13		26.8130														
MAXIMUM		60	0.50	18.8	1.3130	680	6102	233	1881	19.0	7.0	4.8	200.0	1530	9.8	79	450	N/A	N/A
MINIMUM		47	0.00	13.1	0.7790	111	847	233	1881	15.0	6.6	2.6	7.6	59	9.8	79	44	N/A	N/A
AVERAGE		54	0.076	15.9	0.9576	356	2894	233	1881	16.5	6.9	3.6	25.9	204	9.8	79	130	N/A	N/A

% REMOVAL	
B.O.D.	96
S.S.	93

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

Weekly TSS/BOD Aver.	TSS		BOD		Weekly Coliform Geop. Mean
	mg/l	lbs	mg/l	lbs	
WEEK1	19	153	10	79	44
WEEK2	12	108			124
WEEK3	10	80			117
WEEK4	63	476			450
MAX	63	476	10	79	450