

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/Location (if different)  
**JUNEAU, CITY AND BOROUGH OF**  
 155 SOUTH SEWARD,  
 JUNEAU, ALASKA 99801  
**JUNEAU-DOUGLAS TREATMENT PLANT**  
 JUNEAU, ALASKA 99801  
 Scott Jeffers WW Utilities Superintendent

NAME: JUNEAU, CITY AND BOROUGH OF  
 ADDRESS: 155 SOUTH SEWARD,  
 JUNEAU, ALASKA 99801  
 FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT  
 LOCATION: JUNEAU, ALASKA 99801  
 ATTI: Scott Jeffers WW Utilities Superintendent

AK-002321-3  
 PERMIT NUMBER  
 MONITORING PERIOD  
 FROM 2005 8 1 TO 2005 8 1  
 NO. EX 0  
 YEAR 2005  
 MO 8  
 DAY 31  
 FREQUENCY OF ANALYSIS  
 MO 8  
 DAY 31  
 DISCHARGE NUMBER  
 001 A

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE			
		AVERAGE	MAXIMUM			MINIMUM	AVERAGE	MAXIMUM	UNITS						
TEMPERATURE, WATER	MEASUREMENT	*****	*****		****	*****	*****	18.9	(04)	0	5/7	GRAB			
DEG. CENTIGRADE	PERMIT REQUIREMENT	*****	*****		****	*****	*****	REPORT DAILY MAX	DEG. C	0	WEEK DAYS	GRAB			
00010 1 0 0	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	6.7	(19)	0	1/7	GRAB			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		****	*****	*****	2.0	DAILY MIN.	*****	*****	*****			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	203.0	REPORT MO AVG	*****	*****	*****			
00300 1 0 0	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	REPORT MO AVG	*****	*****	*****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	WEEKLY AVG	*****	*****	*****			
BOD, 5-DAY (20 DEG. C)	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
00310 G 0 0	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
RAW SEW/INFILTRANT	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
00310 W 0 0	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
BOD, 5-DAY (20 DEG. C)	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
00310 1 0 0	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
pH	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
00400 1 0 0	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
00530 G 0 0	SAMPLE MEASUREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
RAW SEW/INFILTRANT	PERMIT REQUIREMENT	*****	*****		****	*****	*****	8.7	DAILY MAX	*****	*****	*****			
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 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.														
Scott Jeffers Wastewater Utilities Superintendent	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT														
907	AREA CODE	586-0393	TELEPHONE										2005	9	8
	PHONE NUMBER												2005	9	8

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 The reporting period was from 07/31/2005 through 09/03/2005.  
 EPA Form 3320-1 (03-99) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED).  
 00434/981209 1904 PAGE 1 OF 3

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

Form Approved  
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS/Location (if different)  
JUNEAU, CITY AND BOROUGH OF  
155 SOUTH SEWARD,  
JUNEAU, ALASKA 99801

NAME:  
ADDRESS:  
FACILITY:  
LOCATION:  
ATTN:

AK-002321-3  
PERMIT NUMBER

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

001A  
DISCHARGE NUMBER

JUNEAU-DOUGLAS TREATMENT PLANT  
JUNEAU, ALASKA 99801  
Scott Jeffers WW Utilities Superintendent

MONITORING PERIOD			
YEAR	MO	DAY	TO
2005	8	1	2005
2005	8	31	2005

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED	188.5	*****	*****	(26)	*****	13.1	*****	(19)	0	5/7	GRAB
00530 W 0 0	1035	*****	*****	(26)	*****	45	*****	MG/L	0	ONCE/MONTH	GRAB
SEE COMMENTS BELOW	147.1	*****	*****	(26)	*****	11.4	*****	MG/L	0	ONCE/MONTH	GRAB
SOLIDS, TOTAL SUSPENDED	690	*****	*****	(26)	*****	30	*****	MG/L	0	ONCE/MONTH	GRAB
00530 1 0 0	1380	*****	*****	(26)	*****	60	*****	MG/L	0	5/7	GRAB
EFFLUENT GROSS VALUE	N/A	*****	*****	(26)	*****	N/A	*****	MG/L	0	1/180	SEMI-ANNUAL
NITROGEN, AMMONIA TOTAL (AS N)	N/A	*****	*****	(26)	*****	N/A	*****	MG/L	0	1/7	ONCE/WEEK
00610 1 0 0	*****	*****	*****	(13)	*****	16	*****	MG/L	0	ONCE/WEEK	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****	(13)	*****	800	*****	MG/L	0	ONCE/WEEK	COMP 24
COLIFORM, FECAL MF	*****	*****	*****	(13)	*****	4	*****	#/ML100	0	ONCE/WEEK	COMP 24
M-F-C BROTH, 44.5 C	*****	*****	*****	(13)	*****	400	*****	#/ML100	0	ONCE/WEEK	COMP 24
31616 W 0 0	*****	*****	*****	(13)	*****	16	*****	#/ML100	0	ONCE/WEEK	COMP 24
SEE COMMENTS BELOW	*****	*****	*****	(13)	*****	4	*****	#/ML100	0	ONCE/WEEK	COMP 24
COLIFORM, FECAL MF	*****	*****	*****	(13)	*****	4	*****	#/ML100	0	ONCE/WEEK	COMP 24
M-F-C BROTH, 44.5 C	*****	*****	*****	(13)	*****	4	*****	#/ML100	0	ONCE/WEEK	COMP 24
31616 1 0 0	*****	*****	*****	(13)	*****	4	*****	#/ML100	0	ONCE/WEEK	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****	(13)	*****	4	*****	#/ML100	0	ONCE/WEEK	COMP 24
THRU TREATMENT PLANT	1.4110	*****	*****	(03)	*****	*****	*****	MGD	0	CONTINUOUS	GRAB
50050 1 0 0	2.76	*****	*****	MGD	*****	*****	*****	MGD	0	CONTINUOUS	GRAB
EFFLUENT GROSS VALUE	MO AVG	*****	*****	MGD	*****	*****	*****	MGD	0	CONTINUOUS	GRAB
BOD, 5-DAY PERCENT REMOVAL	*****	*****	*****	MGD	*****	*****	*****	MGD	0	CONTINUOUS	GRAB
81010 K 0 0	*****	*****	*****	MGD	*****	*****	*****	MGD	0	CONTINUOUS	GRAB
PERCENT REMOVAL	*****	*****	*****	MGD	*****	*****	*****	MGD	0	CONTINUOUS	GRAB
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Scott Jeffers Utilities Superintendent	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
Wastewater	907 AREA CODE 586-0393 TELEPHONE										
Utilities Superintendent	PHONE NUMBER										
	DATE										
	2005 YEAR										
	9 MO										
	8 DAY										

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

The reporting period was from 07/31/2005 through 09/03/2005.



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

MAJOR (SUB 01)  
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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  
ATTN: Scott Jeffers WW Utilities Superintendent

AK-002321-3  
PERMIT NUMBER

REC-1  
DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2005	8	1	2005
YEAR	MO	DAY	YEAR
2005	8	31	2005

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM				
COLIFORM, FECAL MF	MEASUREMENT	*****	*****	****	*****	*****	14.0	(13)	0	1/30	GRAB
31616 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	REPORT DAILY MAX	#/ML100			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****		****		ONCE/MO AND 1/180	
	PERMIT REQUIREMENT	*****	*****	****	*****	*****		****		2 TIMES NOV-APR	
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****		****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****		****			
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****		****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****		****			
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****		****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****		****			
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****		****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****		****			

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Scott Jeffers Utilities Superintendent			2005	9	8
907		586-0393			
AREA CODE		PHONE NUMBER			
DATE					
MO					
DAY					

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
The reporting period was from 07/31/2005 through 09/03/2005.  
(Reference all attachments here)

EPA REPORT

JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

Juneau, Alaska

August 2005

DAY	DATE	WEATHER			INFLUENT					EFFLUENT							
		TEMP °F	RAIN INCHES	HIGH TIDE FEET	SS mg/L	BOD mg/L	BOD LBS	TEMP °C	pH	D.O. mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FECAL Coliform /100 ml	Ammonia as-N, mg/ l/180 days	Ammonia as-N, lbs/day
SUN	31	55	0.05	14.6	1,231.0	265	2721										
MON	1	53	0.00	15.1	1,132.0	183	1723				16.3	6.9	6.3	10.4	98.2		
TUE	2	58	0.00	13.3	1,320.0	262	2884				17.1	6.7	4.5	11.0	121.1		
WED	3	56	0.39	15.7	1,392.0	243	2821	203	2357		17.5	6.8	3.5	11.2	130.0	9	101.2
THU	4	54	0.54	16.2	2,426.0	142	2873				16.3	6.7	3.4	15.5	313.6		
FRI	5	56	0.40	16.5	1,873.0						16.1	6.5	4.2				
SAT	6	59	0.01	16.6	1,203.0												
SUN	7	59	0.00	16.4	1,136.0	212	2009							15.2	144.0		
MON	8	60	0.00	15.9	1,071.0	217	1938				16.9	6.6	3.5	13.2	117.9		
TUE	9	65	0.00	15.6	1,172.0	314	3058				17.1	6.2	4.0	9.4	91.9		
WED	10	64	0.00	15.5	1,016.0	266	2254				17.8	6.9	6.7	8.8	74.6		16
THU	11	66	0.00	15.2	0.945.0	N/S					18.3	6.8		13.0	102.5		
FRI	12	66	0.00	14.8	0.903.0						18.0	6.8					
SAT	13	65	0.00	14.5	0.810.0												
SUN	14	63	0.00	14.5	0.849.0	303	2145							6.8	48.1		
MON	15	58	0.01	15.1	0.920.0	348	2670				17.8	7.2	5.3	8.2	62.9		
TUE	16	60	0.00	16.2	1,235.8	324	3339				18.4	6.5	9.6	9.6	98.9		
WED	17	59	0.00	14.2	1,799.0	246	3691				18.9	6.7	4.8	11.0	165.0	3	
THU	18	57	0.57	17.6	1,799.0	286	4291				18.0	6.5	20.8	20.8	312.1		
FRI	19	56	0.68	18.7	1,448.0						18.2	6.2	3.4				
SAT	20	54	0.33	19.3	1,591.0												
SUN	21	56	0.33	19.3	1,820.0	280	4250							12.3	185.9		
MON	22	55	0.27	18.7	1,538.0	205	2630				18.0	6.8	3.8	7.2	92.4		
TUE	23	55	0.00	18.2	1,319.0	294	3234				17.4	6.8	4.2	5.7	62.7		
WED	24	56	0.16	17.2	1,727.0	246	3543				18.9	6.9	3.4	8.4	121.0	2	
THU	25	56	1.06	16.0	2,401.0	118	2363				17.4	6.8	4.0	24.0	480.6		
FRI	26	53	0.19	14.7	1,321.0						16.4	6.6	3.6				
SAT	27	54	0.03	13.6	1,061.0												
SUN	28	55	0.00	13.2	0.951.0	242	1919							8.0	63.5		
MON	29	49	0.46	13.7	2,033.0	196	3323				17.4	6.9	3.6	11.2	189.9		
TUE	30	53	0.72	14.5	2,079.0	218	3780				16.4	6.6	3.5	9.2	159.5		
WED	31	52	0.29	13.6	2,126.0	118	2092				15.2	6.8	3.1	8.6	152.5	1	
THU	1	57	0.17	15.4	1,413.0	150	1768				16.7	6.6	4.0	9.2	108.4		
FRI	2	53	0.00	16.1	1,182.0						16.0	6.6	4.0				
SAT	3	55	0.00	16.6	1,143.0												
TOTAL			6.66		49,385.8												
MAXIMUM			1.06		19,300	2,426.0	348	4291	203	2357	18.9	7.2	6.7	24.0	480.6	8.7	101.2
MINIMUM			0.00		13,200	0.810.0	118	1723	203	2357	15.2	6.2	3.1	5.7	48.1	8.7	101.2
AVERAGE			0.19		15,778	1,411.0	237	2805	203	2357	17.2	6.7	4.1	11.4	147.1	8.7	101.2

COMMENTS:  
08/11/05 No Influent sample, sampler malfunction.

% REMOVAL	
B.O.D.	95.7
S.S.	95.2

Parameter	Unit	Value
Copper	ug/L	N/A
NH3	mg/L	N/A
NH3	lbs	N/A

Tox. Tlc	N/A
----------	-----

Weekly TSS/BOD Avg	TSS lbs	BOD mg/l	BOD lbs	Coliform /100 ml	Weekly Coliform Geom Mean
WEEK1	13.1	168.7	8.7	101.2	7
WEEK2	11.9	106.2			16
WEEK3	11.3	137.4			3
WEEK4	11.5	188.5			2
WEEK5	9.2	134.8			1
MAX	13.1	188.5	8.7	101.2	16