

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

Form Approved,
OMB No. 2040-0004

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: Scott Jeffers WW Utilities Superintendent

AK-002321-3
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2008	3	1	2008
			2008
			31

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQ. OF ANALYSIS	SAMPLE TYPE		
	AVERAGE	MAXIMUM	PERMIT REQUIREMENT		MINIMUM	AVERAGE	MAXIMUM	PERMIT REQUIREMENT				REPORT	
TEMPERATURE, WATER DEG. CENTIGRADE	*****	*****	*****	****	*****	*****	*****	*****	12.9	(04)	0	5/7	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	****	*****	*****	*****	*****	4.0	DEG. C	0	1/7	GRAB
OXYGEN, DISSOLVED (DO)	*****	*****	*****	****	*****	*****	*****	*****	17.0	MGL	0	1/30	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	****	*****	*****	*****	*****	222.0	MGL	0	1/30	GRAB
BOD, 5-DAY (20 DEG. C)	*****	*****	*****	****	*****	*****	*****	*****	45	MGL	0	1/30	GRAB
RAW SEW/INFLUENT	*****	*****	*****	****	*****	*****	*****	*****	3.6	MGL	0	1/30	GRAB
BOD, 5-DAY (20 DEG. C)	*****	*****	*****	****	*****	*****	*****	*****	3.6	MGL	0	1/30	GRAB
SEE COMMENTS BELOW	*****	*****	*****	****	*****	*****	*****	*****	3.6	MGL	0	1/30	GRAB
BOD, 5-DAY (20 DEG. C)	*****	*****	*****	****	*****	*****	*****	*****	3.6	MGL	0	1/30	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	****	*****	*****	*****	*****	6.6	MGL	0	5/7	GRAB
pH	*****	*****	*****	****	*****	*****	*****	*****	6.0	SU	0	1/30	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	****	*****	*****	*****	*****	8.5	MGL	0	1/30	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	****	*****	*****	*****	*****	206	MGL	0	1/30	GRAB
RAW SEW/INFLUENT	*****	*****	*****	****	*****	*****	*****	*****	206	MGL	0	1/30	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.

Scott Jeffers
Utilities Superintendent
Signature of Principal Executive Officer or Authorized Agent

907 AREA CODE
586-0393 TELEPHONE
2008 YEAR
4 MO
4 DAY

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

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

NAME:
ADDRESS:
FACILITY:
LOCATION:
ATT:

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

AK-002321-3
PERMIT NUMBER

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

MONITORING PERIOD				QUALITY OR CONCENTRATION			
YR	MO	DAY	TO	YR	MO	DAY	TO
2008	3	1	2008	2008	3	1	2008

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM		AVERAGE	MAXIMUM	MINIMUM			
SOLIDS, TOTAL	180.9	*****	*****	(26)	13.2	*****	*****	0	5/7	GRAB
SUSPENDED	1035	*****	*****	(26)	45	*****	*****	0	ONCE/MONTH	GRAB
00530 W 0 0	WKLY AVG	*****	*****	(26)	WKLY AVG	*****	*****	0	5/7	GRAB
SEE COMMENTS BELOW	120.7	241.1	*****	(26)	9.9	17.2	*****	0	ONCE/MONTH	GRAB
SOLIDS, TOTAL	690	1380	*****	(26)	30	60	*****	0	ONCE/MONTH	GRAB
SUSPENDED	MO AVG	*****	*****	(26)	MO AVG	*****	*****	0	1/180	COMP 24
00530 1 0 0	MO AVG	*****	*****	(26)	11.0	11.0	*****	0	SEMI-ANNUAL	COMP 24
EFFLUENT GROSS VALUE	103.5	103.5	*****	(26)	11.0	11.0	*****	0	1/90	GRAB
NITROGEN, AMMONIA	*****	*****	*****	(26)	N/A	N/A	*****	0	ONCE/QUARTER	GRAB
TOTAL (AS N)	*****	*****	*****	(26)	3	*****	*****	0	ONCE/QUARTER	GRAB
00610 1 0 0	MO AVG	*****	*****	(26)	800	*****	*****	0	ONCE/QUARTER	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	(26)	WKLY GEO	*****	*****	0	ONCE/QUARTER	GRAB
COLIFORM, FECAL MF	*****	*****	*****	(26)	2	*****	*****	0	ONCE/QUARTER	GRAB
M-F-C BROTH, 44.5 C	*****	*****	*****	(26)	400	*****	*****	0	ONCE/QUARTER	GRAB
31616 W 0 0	MO AVG	*****	*****	(26)	MO GEO	*****	*****	0	ONCE/QUARTER	GRAB
SEE COMMENTS BELOW	*****	*****	*****	(26)	*****	*****	*****	0	ONCE/QUARTER	GRAB
COLIFORM, FECAL MF	*****	*****	*****	(26)	*****	*****	*****	0	ONCE/QUARTER	GRAB
M-F-C BROTH, 44.5 C	*****	*****	*****	(26)	*****	*****	*****	0	ONCE/QUARTER	GRAB
31616 1 0 0	MO AVG	*****	*****	(26)	*****	*****	*****	0	ONCE/QUARTER	GRAB
EFFLUENT GROSS VALUE	1.3668	2.0820	*****	(03)	*****	*****	*****	0	ONCE/QUARTER	GRAB
FLOW, IN CONDUIT, OR THRU TREATMENT PLANT	2.76	6.0	*****	(03)	*****	*****	*****	0	ONCE/QUARTER	GRAB
50050 1 0 0	MO AVG	*****	*****	(03)	*****	*****	*****	0	ONCE/QUARTER	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	(03)	*****	*****	*****	0	ONCE/QUARTER	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Scott Jeffers									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	Scott Jeffers									
Wastewater Utilities Superintendent	Scott Jeffers									
TYPED OR PRINTED	Reference all attachments here									
COMMENT AND EXPLANATION OF ANY VIOLATIONS	The reporting period was from 03/02/2008 through 03/29/2008.									
EPA Form 3520-1 (03-99) Previous editions may be used.										

Signature of Principal Executive Officer or Authorized Agent

907 AREA CODE
586-0393 TELEPHONE
2008 YEAR
4 MO
4 DAY

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

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

NAME:
 ADDRESS:
 FACILITY:
 LOCATION:
 Scott Jeffers WW Utilities Superintendent

ATTN:
 JUNEAU-DOUGLAS TREATMENT PLANT
 JUNEAU, ALASKA 99801

AK-002321-3
 PERMIT NUMBER

MONITORING PERIOD
 YEAR MO DAY

2008 3 1

TO YEAR MO DAY

2008 3 1

NO. OF EX

0

FREQUENCY OF ANALYSIS

1/30

SAMPLE TYPE

ONCE/MO MAY-OCT AND 1/180

GRAB

2 TIMES NOV-APR

COLIFORM, FECAL MF
 M-FC BROTH, 44.5 C
 31616 1 0 0

EFFLUENT GROSS VALUE

PARAMETER

QUANTITY OR LOADING

UNITS

MINIMUM

AVERAGE

MAXIMUM

REPORT DAILY MAX

ML100

UNITS

0

1/30

GRAB

2 TIMES NOV-APR

ONCE/MO MAY-OCT AND 1/180

2 TIMES NOV-APR

SAMPLE MEASUREMENT

PERMIT REQUIREMENT

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JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

EPA REPORT

Juneau, Alaska

March 2008

DAY	DATE	WEATHER			INFLUENT				EFFLUENT										
		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 /180 days	Ammonia as N lbs/day /180 days
SUN	2	36	0.37	13.0	1.3190	121	1331			10.6	6.7	3.5	5.8	53					
MON	3	37	0.02	14.0	1.1060	218	2011			10.8	7.0	4.0	6.8	64				11.0	103.5
TUE	4	36	0.00	15.2	1.1280	275	2587	222	2088	11.2	6.9	3.4	7.4	117					
WED	5	36	0.27	16.4	1.8950	240	3793			11.0	6.9	3.9	13.6	236					
THU	6	38	0.69	17.3	2.0820	161	2786			9.5	6.6	3.9							
FRI	7	40	0.55	17.9	1.8220														
SAT	8	39	0.02	18.0	1.8230														
SUN	9	38	0.28	18.6	1.4840	140	1733			9.6	6.6	3.4	4.0	48					
MON	10	35	0.07	18.9	1.4250	156	1854			9.2	6.6	3.7	9.4	114					
TUE	11	34	0.24	18.7	1.4490	188	2272			9.3	6.6	3.5	6.8	65			1.4		
WED	12	35	0.00	18.0	1.1480	204	1953			10.7	6.8	3.9							
THU	13	34	0.00	16.9	1.0170	288	2443												
FRI	14	33	0.00	15.5	0.9400														
SAT	15	29	0.00	14.4	0.9500														
SUN	16	33	0.36	14.3	1.6370	200	2731			9.9	6.8	3.1	17.2	235					
MON	17	36	0.54	14.9	1.6810	184	2580			9.4	6.8	3.4	9.2	117					
TUE	18	36	0.24	15.8	1.5260	142	1807			10.6	6.7	3.3	11.2	161			2.0		
WED	19	35	0.42	16.5	1.7250	239	3438			11.1	6.6	3.9	11.2	150					
THU	20	35	0.00	16.9	1.6080	334	4479			12.9	6.7	3.4							
FRI	21	37	0.05	17.3	0.9610														
SAT	22	37	0.43	17.6	1.9620														
SUN	23	36	0.36	17.7	1.5600	143	1860			8.4	6.6	3.5	11.6	151					
MON	24	34	0.00	17.5	1.2670					8.8	6.7	3.7	11.2	109					
TUE	25	35	0.00	17.0	1.1690	189	1843			10.0	6.8	3.2	12.2	107			1		
WED	26	35	0.00	16.3	1.0510	244	2139			9.6	6.8	3.2	11.6	88					
THU	27	33	0.00	15.3	0.9050	241	1819			6.8	6.8	3.5							
FRI	28	33	0.00	14.3	0.8030														
SAT	29	32	0.00	13.2	0.8280														
TOTAL			4.91		38.2710														
MAXIMUM			0.69		18.9	2.0820	334	4479	222	2088	12.9	7.0	4.0	17.2	241	3.6	3.6	34	3
MINIMUM			0.00		13.0	0.8030	121	1331	222	2088	8.4	6.6	3.1	4.0	46	3.6	3.6	34	1
AVERAGE			0.175		16.3	1.3668	206	2393	222	2088	10.1	6.7	3.6	9.9	121	3.6	3.6	34	2

% REMOVAL	
B.O.D.	98
S.S.	95

Copper	
N/A	ug/L
11.0	mg/L
103.5	lbs

Weekly TSS/BOD	
Aver.	mg/L
9	116
WEEK1	4
WEEK2	34
WEEK3	1
WEEK4	2
MAX	13

Weekly TSS	
Aver.	lbs
9	71
WEEK1	4
WEEK2	34
WEEK3	1
WEEK4	2
MAX	13

Weekly BOD	
Aver.	lbs
9	71
WEEK1	4
WEEK2	34
WEEK3	1
WEEK4	2
MAX	13

Weekly Coliform	
Aver.	Geo. Mean
9	116
WEEK1	4
WEEK2	34
WEEK3	1
WEEK4	2
MAX	13