

JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY

EPA REPORT

Juneau, Alaska

May 2011

		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
SUN	1	42	0.80		0.5890											
MON	2	45	0.12		0.8100					11.3	6.9	5.7				
TUE	3	42	0.38		1.2810					10.0	6.9	5.5				
WED	4	41	0.50		1.2970	400	4327	255	2758	8.9	7.0	5.7	11.0	119	11.00	11
THU	5	45	0.09		1.1314					8.8	7.0	5.6				
FRI	6	46	0.00		1.0440					9.6	7.1	5.6				
SAT	7	49	0.00		0.8170											
SUN	8	47	0.01		0.5870											
MON	9	44	0.03		0.7510					11.3	7.1	5.5				
TUE	10	42	0.00		0.8180					10.3	7.2	5.3				
WED	11	44	0.00		0.7880	209	1374	221	1452	10.0	7.1	5.4	10.0	66	4.00	2
THU	12	42	0.61		1.2340					11.1	7.2	5.2				
FRI	13	46	0.00		0.9580					15.1	6.8	5.4				
SAT	14	47	0.00		0.7880											
SUN	15	49	0.00		0.7070											
MON	16	50	0.00		0.8980					15.5	6.7	5.6				
TUE	17	53	0.07		0.9150	193	1473	187	1427	17.1	6.8	5.7	17.0	130	6.00	4
WED	18	47	0.03		0.9550					17.2	6.7	6.9				
THU	19	52	0.07		0.8130					16.2	6.4	5.4				
FRI	20	52	0.01		0.8410					16.0	6.4	5.2				
SAT	21	51	0.02		0.7790											
SUN	22	48	0.21		1.0600											
MON	23	49	0.16		0.9410					18.1	6.5	6.5				
TUE	24	50	0.03		0.7860					16.5	6.8	5.9				
WED	25	56	0.01		0.7940					13.4	6.6	5.5				
THU	26	56	0.00		0.7120					14.0	6.7	5.6				
FRI	27	55	0.06		0.6320	444	2340	333	1755	17.2	6.6	5.8	8.0	42	3.60	1
SAT	28	52	0.03		0.7730											
TOTAL			3.24		24.4994											
MAXIMUM		56	0.80	0.0	1.2970	444	4327	333	2758	18.1	7.2	6.9	17.0	130	11	11
MINIMUM		41	0.00	0.0	0.5870	193	1374	187	1427	8.8	6.4	5.2	8.0	42	4	1
AVERAGE		48	0.116	#DIV/0!	0.8750	312	2378	249	1848	13.4	6.8	5.7	11.5	89	6	5

% REMOVAL	
B.O.D.	98
S.S.	96

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

Weekly	TSS		BOD		
	Aver.	mg/l	lbs	mg/l	lbs
WEEK1	11	119	11	119	
WEEK2	10	66	4	26	
WEEK3	17	130	6	46	
WEEK4	8	42	4	19	

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

DMR Mailing ZIP CODE: 99501
MAJOR (SUB 01)


External Outfall
*** NO DISCHARGE

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

MONITORING PERIOD			TO
YR	MO	DAY	
2011	5	1	

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS
Temperature, water deg. C	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	18.1	
00010 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	REPORT DAILY MAX	deg.C
Oxygen, dissolved (DO)	SAMPLE MEASUREMENT	*****	*****	****	5.2	*****	6.9	
00300 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	2 DAILY MIN.	*****	17 DAILY MAX	mg/L
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	52.5	119		*****	6	11	
00310 10 Effluent Gross	PERMIT REQUIREMENT	690 MO AVG	1380 DAILY MAX	lbs/d	*****	30 MO AVG	60 DAILY MAX	mg/L
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	*****	*****	****	*****	249	*****	
00310 G 0 Raw Sewage Influent	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. MO AVG	*****	mg/L
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	119	*****		*****	11	*****	
00310 W 0 See Comments	PERMIT REQUIREMENT	1035 WKLY AVG	*****	lbs/d	*****	45 WKLY AVG	*****	mg/L
pH	SAMPLE MEASUREMENT	*****	*****	****	6.4	*****	7.2	
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	8.5 MAXIMUM	SU
Solids, Total suspended	SAMPLE MEASUREMENT	89	130		*****	12	17	
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	690 MO AVG	1380 DAILY MAX	lbs/d	*****	30 MO AVG	60 DAILY MAX	mg/L
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.				 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			
Joe Mvers W/W Utilities Superintendent	TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
The reporting period was from 05/01/2011 through 05/28/2011.

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

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

DMR Mailing ZIP CODE: 9
MAJOR
(SUB 01)

External Outfall
*** NO DISCHARGE

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

MONITORING PERIOD			
YR	MO	DAY	TO
2011	5	1	

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS
Solids, Total suspended 00530 G 0 Raw Sewage Influent	SAMPLE MEASUREMENT	*****	*****	*****	*****	312	*****	
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon MO AVG	*****	mg/L
Solids, Total suspended 00530 W 0 See Comments	SAMPLE MEASUREMENT	130	*****	*****	*****	17	*****	
	PERMIT REQUIREMENT	1035 WKLY AVG	*****	lb/d	*****	45 WKLY AVG	*****	mg/L
Nitrogen, ammonia total (as N) 00610 1 0 Effluent Gross	SAMPLE MEASUREMENT	N/A	N/A	*****	*****	N/A	N/A	
	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MAX	lb/d	*****	Req. Mon, MO AVG	Req. Mon, DAILY MAX	mg/L
Coliform, fecal MF, broth 44.5 C 31616 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	6	34	
	PERMIT REQUIREMENT	*****	*****	*****	*****	400 MO GEO	1200 DAILY MAX	#100/ml
Coliform, fecal MF, broth 44.5 C 31616 W 0 See Comments	SAMPLE MEASUREMENT	*****	*****	*****	*****	34	*****	
	PERMIT REQUIREMENT	*****	*****	*****	*****	800 WKLY GEO	*****	#100/ml
Flow, in conduit or through treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.87	1.30	*****	*****	*****	*****	****
	PERMIT REQUIREMENT	2.76 MO AVG	6.0 DAILY MAX	Mgal/d	*****	*****	*****	
BOD, 5-day, percent removal 81010 K 0 Percent Removal	SAMPLE MEASUREMENT	*****	*****	*****	*****	97.5	*****	****
	PERMIT REQUIREMENT	*****	*****	*****	*****	85 MN % RMV	*****	% Percent

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Tom Trego
W/W 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.

Mattie O. McLean
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

DMR Mailing ZIP CODE: 99
MAJOR
(SUB 01)

External Outfall
*** NO DISCHARGE

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

FROM

MONITORING PERIOD			TO
YR	MO	DAY	
2011	5	1	

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS
Solids, Total suspended, percent removal 81011 K 0 0 Percent removal	SAMPLE MEASUREMENT	*****	*****	*****	96.3	*****	*****	
	PERMIT REQUIREMENT	*****	*****	*****	85 MN % RMV	*****	*****	% PERCENT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Tom Trego
W/W Utilities Superintendent

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TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

DMR Mailing ZIP CODE: 9
MAJOR
(SUB 01)
UPSTREAM RECEIVING WATER
External Outfall
*** NO DISCHARGE

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

MONITORING PERIOD			
YR	MO	DAY	TO
2011	5	1	

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS
Coliform, fecal MF, broth 44.5 C	SAMPLE MEASUREMENT	*****	*****		*****	*****	N/A	
31616 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MAX	#/ ML100

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Tom Treao W/W 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.
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