

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: MENDENHALL TREATMENT PLANT
155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
MENDENHALL VALLEY SERVICE AREA
JUNEAU, ALASKA 99801
ATTN: Scott Jeffers WW Utilities Superintendent

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

Form Approved.
OMB No. 2040-0004
Approval Expires 05-31-98

MONITORING PERIOD			
YR	MO	DAY	TO
2007	7	1	2007

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE		VALUE	VALUE	VALUE	UNITS			
Turbidity	PERMIT REQUIREMENT	*****	*****	****	*****	9.8	13.2	(43)	0		
00070 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	NTU	0	Continuous	RCORDR
Oxygen, dissolved (DO)	SAMPLE MEASUREMENT	*****	*****	****	3.6	3.6	*****	(19)	0		
00300 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	Reg. Mon. DAILY MN	Req. Mon. MO AVG	*****	19 mg/L	0	Once Per Month	GRAB
BOD, 5-Day, 20 deg. C	SAMPLE MEASUREMENT	323.7	357.8	(26)	*****	23.6	24.1	(19)	0		
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	1226 MO AVG	2452 DAILY MX	lb/d	*****	30 MO AVG	60 DAILY MX	19 mg/L	0	Twice Per Month	COMP24
BOD, 5-Day, 20 deg. C	SAMPLE MEASUREMENT	357.8	*****	(26)	*****	24.1	*****	(19)	0		
00310 W 0 See Comments	PERMIT REQUIREMENT	1829 WKLY AVG	*****	lb/d	*****	45 WKLY AVG	*****	19 mg/L	0	Twice Per Month	COMP24
pH	SAMPLE MEASUREMENT	*****	*****	****	6.4	*****	6.6	(12)	0		
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	6.3 INST MIN	*****	9.0 INST MAX	12 SU	0	Weekdays	GRAB
Alkalinity, total (asCaCo3)	SAMPLE MEASUREMENT	*****	*****	****	*****	N/A	N/A	(19)	0		
00410 1 7 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	Req. Mon. MO AVG	Req. Mon. DAILY MX	19 mg/L	0	Quarterly	COMP24
Solids, total suspended	SAMPLE MEASUREMENT	171	178	(26)	*****	13	13	(19)	0		
00630 1 0 Effluent Gross	PERMIT REQUIREMENT	1226 MO AVG	2452 DAILY MX	lb/d	*****	30 MO AVG	60 DAILY MX	19 mg/L	0	Twice Per Month	COMP24
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										
COMMENT AND EXPLANATION OF ANY VIOLATIONS											
* Concerning violations-please see attached. The reporting period was from 07/01/2007 through 07/28/2007.											
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 4											

AK-002295-1
PERMIT NUMBER

001 A
DISCHARGE NUMBER

907 AREA CODE
586-0393 TELEPHONE
PHONE NUMBER
2007 YEAR
8 MO
9 DAY

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2007	7	1	2007
			YEAR
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			DAY
			31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	VALUE	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE			VALUE	VALUE	VALUE				
Solids, total suspended	SAMPLE MEASUREMENT	178	*****	(26)	*****	13.0	*****	(19)	0			
00530 W 0	PERMIT REQUIREMENT	1829 WKL Y AVG	*****	lb/d	*****	45 WKL Y AVG	*****	19 mg/L			Twice Per Month	COMP24
See Comments	PERMIT REQUIREMENT	264	*****	(26)	*****	21.0	*****	(19)	0			
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	264	*****	(26)	*****	21	*****	(19)				
00610 1 0	PERMIT REQUIREMENT	1164 MO AVG	*****	lb/d	*****	28.5 MO AVG	*****	(19) mg/L			Once Per Month	COMP24
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	****	*****	65.8	*****	(19)	0			
Hardness, total (as CaCO3)	PERMIT REQUIREMENT	*****	*****	****	*****	72.0	*****	(19)				
00900 1 6	PERMIT REQUIREMENT	*****	*****	****	*****	N/A	*****	19 mg/L			Once Per Month	GRAB
Effluent Gross	SAMPLE MEASUREMENT	N/A	*****	(26)	*****	N/A	*****	(28)	0			
Silver, total recoverable	PERMIT REQUIREMENT	N/A	*****	****	*****	N/A	*****	(28)				
01079 1 0	PERMIT REQUIREMENT	Req. Mon. MO AVG	*****	lb/d	*****	Req. Mon. MO AVG	*****	28 ug/L			Three Per Year	COMP24
Effluent Gross	SAMPLE MEASUREMENT	N/A	*****	(26)	*****	N/A	*****	(28)	0			
Zinc, total recoverable	PERMIT REQUIREMENT	N/A	*****	****	*****	N/A	*****	(28)				
01094 1 0	PERMIT REQUIREMENT	Req. Mon. MO AVG	*****	lb/d	*****	Req. Mon. MO AVG	*****	28 ug/L			Three Per Year	COMP24
Effluent Gross	SAMPLE MEASUREMENT	N/A	*****	(26)	*****	N/A	*****	(28)	0			
Lead, total recoverable	PERMIT REQUIREMENT	N/A	*****	****	*****	N/A	*****	(28)				
01114 1 0	PERMIT REQUIREMENT	Req. Mon. MO AVG	*****	lb/d	*****	Req. Mon. MO AVG	*****	28 ug/L			Three Per Year	COMP24
Effluent Gross	SAMPLE MEASUREMENT	0.37	*****	(26)	*****	26.7	*****	(28)	0			
Copper, total recoverable	PERMIT REQUIREMENT	0.37	*****	****	*****	27	*****	(28)				
01119 1 0	PERMIT REQUIREMENT	3.54 MO AVG	*****	lb/d	*****	86.7 MO AVG	*****	28 ug/L			Once Per Month	COMP24
Effluent Gross	SAMPLE MEASUREMENT	0.40	*****	(26)	*****	27	*****	(28)				
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00434/981209 1904 PAGE 2 OF 4												

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		VALUE	VALUE		VALUE	VALUE	VALUE	UNITS			
Chlorine, total residual	SAMPLE MEASUREMENT	*****	*****	(26)	*****	N/A	N/A	(28)	0		
50060 S 0	PERMIT REQUIREMENT	4.09 MO.AVG.	4.09 DAILY MX	lb/d	*****	100 MO.AVG.	100 DAILY MX			QUARTERLY	COMP24
Dilution factor	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****		0		
80093 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****			DAILY	MEASRD
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
BOD,5-day, percent removal	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****		0		
81010 K 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****			Once Per Month	CALCTD
Percent Removal	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				
Solids, suspended percent removal	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****		0		
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****			Once Per Month	CALCTD
Percent Removal	SAMPLE MEASUREMENT	N/A	*****	(26)	*****	*****	*****		0		
Chlorine usage	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				
81400 X 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****			DAILY	MEASRD
End of Chlorine Contact Chamber	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				
Oil and grease visual	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****		0		
84066 1 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****			Once Per Month	VISUAL
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****		0		
Toxicity, Chronic	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				
TT000 1 8	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****				
Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				
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TELEPHONE 907 586-0393											
AREA CODE 907											
PHONE NUMBER 586-0393											
DATE 2007 8 9											
YEAR 2007											
MO 8											
DAY 9											

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MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska

July 2007

EPA REPORT

DAY	DATE	WEATHER		FLOWS				INFLUENT										EFFLUENT						MISC POWER METER READING				
		TEMP °F	RAIN FALL INCHES	SBR INFLUENT MGD	Mend. River CFS	SBR TTL EFFL MGD	Receiving Water Dilution	SBR WASTE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	Cu ug/L	Cu LBS	HARD mg/L	TEMP °C	pH	D.O. mg/L	TURBID MAX NTU	S.S. mg/L		S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml
SUN	1	54	0.00	2.32	5200	1.65	2037 /1	0.0704										16.0	6.6		11.3							48
MON	2	51	0.00	2.34	4960	1.66	1931 /1	0.0695	15.0	7.0							15.0	6.5		10.8								50
TUE	3	58	0.02	2.25	4930	1.63	1955 /1	0.0730	14.0	7.0							15.0	6.5		9.8	13.0	163.7	23.0	289.6			46	
WED	4	56	0.09	2.19	5200	1.51	2226 /1	0.0717	14.0	7.0							15.0	6.5	3.6	8.9						4.0	50	
THU	5	55	0.11	2.37	5570	1.67	2156 /1	0.0773	14.0	7.1	5.7						16.0	6.5		11.8							50	
FRI	6	55	0.05	2.40	5480	1.66	2134 /1	0.0764	15.0	6.8																	48	
SAT	7	58	0.08	2.41	5280	1.62	2106 /1	0.0864																			50	
SUN	8	57	0.03	2.34	5280	1.64	2081 /1	0.0602										16.0	6.6		9.0						50	
MON	9	54	0.65	2.36	4770	1.66	1857 /1	0.0654	15.0	6.8							16.0	6.5		7.9	12.0	178.1	24.1	357.8			52	
TUE	10	55	0.47	2.41	5690	1.78	2066 /1	0.0764	15.0	6.7	140	2078	303	4498	27.0	0.40	59.5	16.0	6.5		13.2					3.3	52	
WED	11	55	0.71	2.41	5430	1.74	2017 /1	0.0794	15.0	6.7							16.0	6.5		13.2							55	
THU	12	59	0.50	2.79	9590	2.12	2923 /1	0.0981	15.0	6.8							16.0	6.4		8.7							50	
FRI	13	57	0.08	2.51	12050	1.84	4232 /1	0.0814	15.0	6.6							16.0	6.4		10.8							50	
SAT	14	56	0.04	2.53	10690	1.88	3674 /1	0.0769																			51	
SUN	15	62	0.14	2.49	8780	1.85	3067 /1	0.0644																			53	
MON	16	57	1.34	2.81	13450	2.22	3915 /1	0.0615	14.0	6.9							15.0	6.5		7.9							54	
TUE	17	55	0.06	2.62	9320	2.17	2776 /1	0.0601	14.0	6.8							15.0	6.5		7.9							54	
WED	18	59	0.00	2.56	9930	2.17	2957 /1	0.0716	14.0	6.8							16.0	6.4		10.3						10.0	54	
THU	19	58	0.17	2.51	8160	2.12	2487 /1	0.0800	15.0	6.8							16.0	6.5		11.2							51	
FRI	20	53	0.81	2.60	7260	1.95	2406 /1	0.0739	14.0	6.5							16.0	6.5		8.9							54	
SAT	21	54	0.10	2.70	7620	2.07	2379 /1	0.0710																			50	
SUN	22	56	0.01	2.51	5940	1.91	2010 /1	0.0498																			49	
MON	23	55	0.92	2.65	6390	1.99	2075 /1	0.0641	15.0	6.8							16.0	6.5		9.8							53	
TUE	24	57	0.00	2.59	6490	2.03	2066 /1	0.0861	15.0	6.8							16.0	6.6		12.8							51	
WED	25	59	0.00	2.58	6200	1.96	2044 /1	0.0709	15.0	6.8							16.0	6.4		12.1						20.0	53	
THU	26	57	0.02	2.46	5960	1.92	2006 /1	0.0821	15.0	6.7							16.0	6.5		6.5							51	
FRI	27	59	0.00	2.42	5490	1.92	1848 /1	0.0707	16.0	6.9							18.0	6.6		6.6							49	
SAT	28	57	0.11	2.36	5440	1.90	1851 /1	0.0592																			1424	
TOTAL			6.51	69.49		52.24		2.0079																				55
MAXIMUM		62	1.34	2.81	13450	2.22	4232 /1	0.0981	16.0	7.1	5.7	180	2267	303	4498	27.0	0.401	72.0	18.0	6.6	3.6	13.2	13.0	178.1	24.1	357.8	20.0	46
MINIMUM		51	0.00	2.19	4770	1.51	1848 /1	0.0498	14.0	6.5	5.7	140	2078	203	2556	26.3	0.331	59.5	15.0	6.4	3.6	6.5	12.0	163.7	23.0	289.6	3.3	50
AVERAGE		56.4	0.23	2.48	7020	1.87	2403 /1	0.0717	14.7	6.8	5.7	160	2173	253	3527	26.7	0.366	65.8	15.9	6.5	3.6	9.8	12.5	170.9	23.6	323.7	7.2	50.8

COMMENTS:

- * GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES
- * INFLUENT FLOW WAS USED TO CALCULATE EFFLUENT LOADING; EFFL. METER O.O.S.

July 2007	
Hrd. mg/l	72.0
Alk. mg/l	N/A
D.O. mg/l	3.6
Turb. NTU	13.2
Tox. TUc	N/A

July 2007		
	ug/L	LBS
Copper	27.00	0.40
Lead	N/A	N/A
Silver	N/A	N/A
Zinc	N/A	N/A
NH3 mg/L	21.0	264

WEEK	WEEKLY AVERAGE				WEEKLY COLIFORM Geo. Mean
	BOD		TSS		
	mg/l	lbs	mg/l	lbs	
1	23.0	289.6	13.0	163.7	4.0
2	24.1	357.8	12.0	178.1	3.3
3					10.0
4					20.0
AVG	23.6	323.7	12.50	170.9	7.2
MAX	24.1	357.8	13.0	178.1	20.0

% REMOVAL	
B.O.D.	90.7
S.S.	92.2
POWER USAGE IN KILOWATT-HOURS	
TOTAL	227840