

# 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  
Approval Expires 05-31-98

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  
FACILITY: MENDENHALL VALLEY SERVICE AREA  
LOCATION: JUNEAU, ALASKA 99801  
ATT: ANDREW BRONSON, WWTP SUPT.

(2-16)

AK0022951  
PERMIT NUMBER

(17-19)

001 A  
DISCHARGE NUMBER

MONITORING PERIOD  
YR MO DAY YEAR MO DAY  
2000 11 01 2000 11 30

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

PARAMETER (32-37)	(3 Card Only) (46-53)		QUANTITY OF LOADING (54-61)		QUALITY OR CONCENTRATION (54-61)			NO. EX (62-69)	FREQUENCY OF ANALYSIS (64-69)	SAMPLE TYPE (69-70)
	AVERAGE	PERMIT REQUIREMENT	MAXIMUM	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM			
TEMPERATURE, WATER DEG, CENTIGRADE	*****	*****	*****	*****	*****	13.6	14.6	(04)	5/7	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	REPORT MO AVG	REPORT WKLY AVG	DEG. C	WEEK - GRAB DAYS	GRAB
BOD, 5-DAY (20 DEG. C)	3687	*****	*****	(26)	*****	207	*****	(19)	0	2/7
RAW SEW/INFLUENT	REPORT 30 DAY AVG	*****	*****	LBS/DAY	*****	REPORT MO AVG	*****	MG/L	WEEKLY COMP 24	COMP
BOD, 5-DAY (20 DEG. C)	106.3	*****	135.5	(26)	*****	6.0	7.6	(19)	0	2/7
EFFLUENT GROSS VALUE	690 30 DAY AVG	*****	1035 WKLY AVG	LBS/DAY	*****	30 MO AVG	45 WKLY AVG	MG/L	WEEKLY COMP 24	COMP
pH	*****	*****	*****	*****	6.5	*****	7.2	(12)	0	5/7
00400 1.00 EFFLUENT GROSS VALUE	*****	*****	*****	*****	6.0 MIN.	*****	9.0 MAXIMUM	SU	0	5/7
SOLIDS, TOTAL SUSPENDED	3602	*****	*****	(26)	*****	202	270	(19)	0	1/7
00530 G.O. RAW SEW/INFLUENT	REPORT 30 DAY AVG	*****	*****	LBS/DAY	*****	REPORT 30 DAY AVG	*****	MG/L	WEEKLY COMP 24	COMP
SOLIDS, TOTAL SUSPENDED	92.7	*****	124.8	(26)	*****	5.2	7.0	(19)	0	1/7
00630 1.00 EFFLUENT GROSS VALUE	690 30 DAY AVG	*****	1035 WKLY AVG	LBS/DAY	*****	30 DAY AVG	45 WKLY AVG	MG/L	WEEKLY COMP 24	COMP
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	*****	*****	*****	*****	8.9	(19)	0	1/ month
00910 1.00 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	REPORT MO MAX	MG/L	ONCE/GRAB MONTH	GRAB

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 9 U.S.C. 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

NAME/TITLE: ANDREW BRONSON, PRINCIPAL EXECUTIVE OFFICER  
SIGNATURE: Andrew W. Bronson  
Wastewater Utility Superintendent  
TELEPHONE: 789-9919  
DATE: 2000 12 12

COMMENT AND EXPLANATION OF ANY VIOLATIONS: \*CONCERNING VIOLATION- PLEASE SEE A ATTACHED.

AREA CODE: 907  
PHONE NUMBER: 789-9919  
YEAR: 2000  
DAY: 08

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

MAJOR (SUB 01)  
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ATT: ANDREW BRONSON, WWTP SUPT.

(2-16)  
AK0022951  
PERMIT NUMBER

(17-19)  
001 A  
DISCHARGE NUMBER

MONITORING PERIOD  
YR 2000 MO 11 DAY 01 TO YEAR 2000 MO 11 DAY 30

PARAMETER (32-37)	(3 Card Only) (46-53)		QUANTITY OF LOADING (54-61)		QUALITY OR CONCENTRATION (24-25)			(26-27)	(28-29)	(30-31)
	AVERAGE	MAXIMUM	MINIMUM (4 Card Only) (38-45)	MAXIMUM (54-51)	AVERAGE (46-53)	MAXIMUM (24-25)	UNITS (54-61)	NO. EX (62-69)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
COLIFORM, FECAL MF, 31616 1.0.0	*****	*****	*****	*****	*****	*****	(13) #	0	2/7	TWICE/GRAB WEEK
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	100 ML	0	7/7	CONT
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	2.1380	*****	*****	*****	*****	*****	*****	0	CONTINUOUSLY RECORDED	CONT
CHLORINE TOTAL	REPORT MO AVG	*****	*****	*****	*****	*****	*****	0	WEEK-GRAB DAYS	CONT
50060 100 RESIDUAL EFFLUENT GROSS VALUE	*****	*****	*****	*****	0.0000	*****	(19)	0	1/ month ONCE/CACTD MONTH	COMP
BOD, 5-DAY PERCENT REMOVAL	*****	*****	*****	*****	0.002 MO AVG	*****	MG/L (23)	0	1/ month ONCE/CACTD MONTH	GRAB
81010 K 0.0 PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PERCENT (23)	0	ONCE/CACTD MONTH	GRAB
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PERCENT	0	ONCE/CACTD MONTH	GRAB
81011 K 0.0 PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PERCENT	0	ONCE/CACTD MONTH	GRAB

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 3 U.S.C. 1001 AND 33 U.S.C. § 869. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)  
NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER  
ANDREW BRONSON  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT (REFERENCE ALL ATTACHMENTS THERE)  
Wastewater Utility Superintendent  
TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
\* THE EFFLUENTS CL<sub>2</sub> RESIDUAL WAS BELOW OUR EFFLUENT ANALYZERS DETECTABLE LEVEL.  
\* THE RECORDED AVERAGE CL<sub>2</sub> RESIDUAL WAS CALCULATED FROM GRAB SAMPLES COLLECTED 2/DAY 5 DAYS/WEEK. A 0.0400 mg/L CALIBRATION STANDARD WAS USED.  
EPA Form 3320-1 (08-95) Prev. Editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

TELEPHONE: 789-9919  
PHONE NUMBER: 789-9919  
AREA CODE: (907)  
YEAR: 2000  
MO: 12  
DAY: 08

MENDENHALL WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

EPA REPORT

November 2000

DAY	DATE	WEATHER			FLOWS				INFLUENT					EFFLUENT					MISCELLANEOUS							
		TEMP F	RAIN INCHES	FALL INCHES	SBR INFLUENT MGD	SBR TTL EFFL MGD	SBR WASTE MGD	TEMP C	pH	D.O. MG/L	S.S. MG/L	B.O.D. LBS	B.O.D. MG/L	TEMP C	pH	D.O. MG/L	CL RES MG/L	S.S. MG/L	S.S. LBS	B.O.D. MG/L	B.O.D. LBS	FECAL COLIFORM /100 ML	POWER METER READING	CL USED LBS	SO. USED LBS	
SUN	29	33	0.00		2.3600	2.1300	0.0655	12.6	7.0	5.7													63	100	50	
MON	30	37	0.42		2.1000	2.0200	0.1227	12.6	7.0	5.7														63	10	30
TUE	31	43	0.22		2.2000	2.1600	0.0618	12.8	7.0	5.7														54	40	20
WED	1	44	0.00		2.1400	2.0800	0.0754	13.6	7.0	5.5	270	4684	210	3643	6.6	6.2	0.0000	7.0	121.4	7.6	131.8	5	61	50	60	
THU	2	40	0.51		2.1900	2.0500	0.1011	13.0	6.9	5.0														61	50	40
FRI	3	41	0.20		2.2400	2.2200	0.0636	12.9	6.7	4.6														59	60	30
SAT	4	35	0.00		2.2400	2.1900	0.0596	12.9	6.7	4.6														60	50	30
SUN	5	33	0.02		2.3200	2.1000	0.0524	14.2	7.3	5.6														58	40	40
MON	6	37	0.32		2.2000	1.9300	0.0362	14.2	7.3	5.6														62	40	30
TUE	7	39	0.07		2.1300	2.1300	0.0329	14.3	6.8	6.4														61	60	50
WED	8	38	0.00		2.0800	1.9700	0.0373	12.7	7.0	6.6	250	4107	310	5093	7.2	8.2	0.0000	4.0	65.7	7.3	119.9	55	40	30		
THU	9	33	0.00		2.0000	1.3900	0.0651	14.0	7.1	5.8														60	50	30
FRI	10	33	0.08		2.1200	1.9900	0.0612	12.0	6.6	5.8														59	50	40
SAT	11	40	0.73		2.2000	2.2000	0.0849	12.0	6.6	5.8														61	60	40
SUN	12	40	0.27		2.5200	2.3700	0.0863	13.2	7.4	5.7														63	50	30
MON	13	39	0.00		2.3400	2.2000	0.0648	13.2	7.4	5.7														62	50	40
TUE	14	41	0.00		2.0000	1.9200	0.0616	13.0	7.3	6.4														57	50	30
WED	15	36	0.19		2.1000	2.0100	0.0714	14.0	7.1	6.1	180	3017	270	4526	7.1	7.2	0.0000	5.0	83.8	5.4	90.5	62	50	30		
THU	16	35	0.28		2.1900	2.2100	0.0787	13.8	7.2	6.1														62	40	40
FRI	17	39	0.55		2.3700	2.2500	0.0946	12.2	7.2	5.5														62	60	30
SAT	18	36	0.07		2.3600	2.2900	0.0663	12.2	7.2	5.5														61	60	40
SUN	19	37	0.20		2.2900	2.2700	0.0877	12.7	7.4	5.5														60	50	40
MON	20	42	0.44		2.3400	2.0600	0.0699	12.7	7.4	5.5														63	70	40
TUE	21	46	0.60		2.2600	2.1700	0.0871	12.2	7.3	6.2														63	40	40
WED	22	43	0.52		2.7600	2.3700	0.1178	14.0	7.2	6.2	150	2985	220	4348	7.1	7.4	0.0000	7.0	138.4	5.5	108.7	2	66	60	30	
THU	23	39	0.68		2.7900	2.5900	0.1054	13.8	6.9	7.4														66	60	20
FRI	24	40	0.24		2.3900	2.4000	0.0769	12.2	7.2	5.5														66	50	50
SAT	25	39	0.12		2.2800	2.3300	0.0643	12.2	7.2	5.5														62	60	40
SUN	26	40	0.10		2.5100	2.2900	0.0801	12.2	7.0	6.2														63	50	30
MON	27	38	0.09		2.2400	2.2000	0.0610	12.2	7.0	6.2														62.0	60	30
TUE	28	32	0.01		2.1700	2.1200	0.0665	12.5	7.2	6.6														54	60	30
WED	29	33	0.00		2.1400	2.0300	0.0905	12.7	6.6	6.4	160	2708	24	406	7.2	7.6	0.0000	3.0	50.8	4.0	67.7	61	50	40		
THU	30	34	0.08		2.1400	2.0500	0.0889	12.5	7.2	4.2														58	40	30
FRI	1	37	0.25		2.2400	2.1200	0.0675	12.7	7.2	5.6														59	40	30
SAT	2	38	0.13		2.1700	2.0200	0.0970	12.7	7.2	5.6														63	60	40
TOTAL					79.1700	74.8300	2.6540																	2132	1800	1270
MAXIMUM					2.7900	2.5900	0.1227	14.3	7.4	7.4	270	4684	310	5093	7.2	8.2	0.0000	7.0	138.4	7.6	131.8	13	66	100	60	
MINIMUM					2.0000	1.3900	0.0329	12.0	6.6	4.2	150	2709	24	406	6.2	6.2	0.0000	3.0	50.8	4.0	67.7	2	54	10	20	
AVERAGE					2.2620	2.1380	0.0758	13.0	7.1	5.9	202	3496	207	3603	6.9	7.3	0.0000	5.2	92.0	6.0	103.7	5	61	51	36	

% REMOVAL	
B.O.D.	97
S.S.	97

POWER USAGE IN KILOWATT-HOURS	
TOTAL	341120

WEEK	WEEKLY AVERAGE				WEEKLY			
	BOD MG/L	TSS MG/L	CHLORINE MG/L	COLIFORM /100 ML	BOD LBS	TSS LBS	CHLORINE LBS	COLIFORM /100 ML
29-04	7.6	131.8	7.0	121.4	0.0000	51.4	6.3	6.3
05-11	7.3	119.9	4.0	65.7	0.0000	47.1	10.2	10.2
12-18	5.4	90.5	5.0	83.8	0.0000	51.4	3.2	3.2
19-25	5.5	108.7	7.0	138.4	0.0000	55.7	4.7	4.7
26-02	4.0	67.7	3.0	50.8	0.0000	51.4	3.2	3.2
MAX	7.6	131.84	7.0	138.4	0.0000	55.7	10.2	10.2

COMMENTS:  
\*GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES

\* AMMONIA AS N = 6.9 MG/L