

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

MAJOR (SUB 01)
F - FINAL
EFLUENT
*** 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
185 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 2000 MO 10 DAY 01 TO YR 2000 MO 10 DAY 31

(20-21)

(24-25)

(22-23)

(26-27)

(30-31)

PARAMETER (32-37)	(3 Card Only) (46-53)		(54-61)		(4 Card Only) (38-45)		(54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. CENTIGRADE	*****	*****	*****	*****	*****	14.7	15.4	(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)	3682	*****	(26)	*****	*****	187	*****	(19)	0	2/7	COMP
RAW SEWINFLOW	REPORT 30 DAY AVG	*****	LBS/DAY	*****	*****	REPORT MO AVG	*****	MG/L		WEEKLY COMP 24	COMP
BOD, 5-DAY (20 DEG. C)	167.5	511.4	(26)	*****	*****	8.5	26.0	(19)		2/7	COMP
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	*****	7.0	(12)	0	5/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	6.0 MIN.	*****	9.0 MAXIMUM	SU		WEEK - GRAB DAYS	GRAB
SOLIDS, TOTAL SUSPENDED	4032	*****	(26)	*****	*****	205	250	(19)	0	1/7	COMP
00530 G 0 0 RAW SEWINFLOW	REPORT 30 DAY AVG	*****	LBS/DAY	*****	*****	REPORT 30 DAY AVG	*****	MG/L		WEEKLY COMP 24	COMP
SOLIDS, TOTAL SUSPENDED	251.5	845.8	(26)	*****	*****	12.8	43.0	(19)	0	1/7	COMP
00530 1 0 0 EFFLUENT GROSS VALUE	690 30 DAY AVG	1035 WKLY AVG	LBS/DAY	*****	*****	30 30 DAY AVG	45 WKLY AVG	MG/L		WEEKLY COMP 24	COMP
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	*****	*****	*****	*****	12.0	(19)		1/ month	GRAB
00610 1 0 0 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 18 U.S.C. 1001 AND 33 U.S.C. & 1369. (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							TELEPHONE		DATE		
ANDREW BRONSON							789-9919		2000 11 08		
Wastewater Utility Superintendent							907		2000 11 08		
TYPED OR PRINTED							AREA CODE		YEAR MO DAY		
COMMENT AND EXPLANATION OF ANY VIOLATIONS							PHONE NUMBER		YEAR MO DAY		
*CONCERNING VIOLATION - PLEASE SEE ATTACHED.											

Andrew W. Bronson

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

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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	TO	YR	MO	DAY
2000	10	01		2000	10	31

PARAMETER (32-37)	(3 Card Only)			(22-23)			(24-25)			NO. EX (26-27)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (24-25)	UNITS (54-61)	(28-29)				
SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	10	21	(13) #	0	2/7			
EFFLUENT GROSS VALUE	*****	*****	*****	*****	200 MO GEO	400 WKLY GEO	100 ML	0	7/7		TWICE/GRAB WEEK	
FLOW IN CONDUIT OR THRU TREATMENT PLANT	2.3586	*****	(3)	*****	*****	*****	*****	0	CONTINUOUSLY RECORDED		CONT	
50050 T.O.D EFFLUENT GROSS VALUE	REPORT MO.AVG	*****	MGD	*****	*****	*****	*****	0	5/7		CONT	
CHLORINE TOTAL RESIDUAL	*****	*****	*****	*****	0.0000	*****	(19)	0	WEEK-GRAB DAYS		COMP	
50060 T.O.D EFFLUENT GROSS VALUE	*****	*****	*****	*****	0.002 MO.AVG	*****	(23)	0	1/month		ONCE/CACTD MONTH	
BOD 5-DAY PERCENT REMOVAL	*****	*****	*****	95	*****	*****	PERCENT	0	1/month		GRAB	
81010 K.O.O PERCENT REMOVAL	*****	*****	*****	85 MO.AVG	*****	*****	PERCENT	0	ONCE/CACTD MONTH			
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****	*****	94	*****	*****	PERCENT	0	1/month			
81011 K.O.O PERCENT REMOVAL	*****	*****	*****	85 MO.AVG	*****	*****	PERCENT					
SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****									
SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****									
SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****									
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 48 U.S.C. 1001 AND 39 U.S.C. 8, 1219. (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 W. Bronson											
ANDREW BRONSON	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT (REFERENCE ALL ATTACHMENTS HERE)											
Wastewater Utility Superintendent	TELEPHONE											
TYPED OR PRINTED	789-9919											
COMMENT AND EXPLANATION OF ANY VIOLATIONS	AREA CODE PHONE NUMBER YEAR MO DAY											
***** THE EFFLUENTS CL ₂ RESIDUAL WAS BELOW OUR EFFLUENT ANALYZERS DETECTABLE LEVEL. *****	2000 11 08											
***** THE RECORDED AVERAGE CL ₂ RESIDUAL WAS CALCULATED FROM GRAB SAMPLES COLLECTED 2/DAY 5 DAYS/WEEK. A 0.0400 mg/L CALIBRATION STANDARD WAS USED. *****	YEAR MO DAY											

EPA Form 3320-1 (08-95) Previ Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED).
00434/981209 1904
PAGE 2 OF 2

MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska

October 2000

EPA REPORT

DAY	DATE	WEATHER		FLOWS				INFLUENT				EFFLUENT				MISCELLANEOUS							
		TEMP F	RAIN FALL INCHES	SBR INFLUENT MGD	SBR TITL EFFL MGD	SBR WASTE MGD	TEMP C	PH	D.O. MG/L	S.S. MG/L	B.O.D. LBS	TEMP C	PH	D.O. MG/L	CL. RES MG/L	S.S. MG/L	B.O.D. MG/L	B.O.D. LBS	FECAL COLIFORM /100 ML	POWER METER READING	CL. USED LBS	SO. USED LBS	
SUN	1	35	0.00	2,130	2,160	0.0626	14.4	7.0	4.6		15.1	6.6	6.7	0.0000					54	50	40	40	
MON	2	33	0.24	2,050	2,090	0.0768	14.3	6.8	4.8		14.9	6.6	7.2	0.0000					54	36	40	20	
TUE	3	36	0.03	2,010	1,990	0.0763	14.5	7.0	5.2		14.6	6.6	6.2	0.0000				13	54	40	20	20	
WED	4	35	0.06	2,510	2,070	0.1690	14.5	7.0	4.6		15.3	6.8	7.0	0.0000	43.0	742.3	26.0	448.9	63	70	60	60	
THU	5	44	1.99	2,310	2,040	0.0883	14.5	7.0	4.6		15.4	6.9	6.1	0.0000				33	64	20	10	10	
FRI	6	51	1.13	2,410	2,690	0.0614	13.3	7.0	4.8										63	40	30	30	
SAT	7	48	1.12	2,570	2,670	0.0657													63	60	40	40	
SUN	8	54	0.24	2,420	2,610	0.0584													65	70	50	50	
MON	9	46	0.19	2,700	2,480	0.0590	13.9	6.6	5.3		14.7	6.7	7.2	0.0000				1	61	30	10	10	
TUE	10	45	1.15	2,850	2,390	0.0630	13.6	6.7	4.7		14.9	6.6	7.2	0.0000				66.3	65	80	30	30	
WED	11	48	0.42	2,750	2,740	0.1019	12.8	6.9	6.3		14.9	6.6	6.8	0.0000	13.0	297.1	2.9		65	20	50	50	
THU	12	51	0.86	2,750	2,770	0.0897	13.6	6.8	4.8		15.1	6.6	6.7	0.0000				7	65	80	40	40	
FRI	13	46	0.11	2,840	2,920	0.1044	13.9	6.9	4.7		15.1	6.7	7.8	0.0000					62	100	90	90	
SAT	14	46	0.54	2,710	2,700	0.0899													66	80	70	70	
SUN	15	46	0.10	2,640	2,740	0.0764													66	60	40	40	
MON	16	46	0.07	2,490	2,420	0.0738	13.8	7.2	5.1		13.8	6.9	7.6	0.0000					59	60	40	40	
TUE	17	41	0.00	2,210	2,360	0.0539	13.9	7.2	3.9		14.0	6.8	7.6	0.0000				5	61	20	40	40	
WED	18	40	0.14	2,170	2,250	0.0556	13.5	7.2	5.2		14.0	6.8	7.7	0.0000	6.0	112.6	6.3	118.2	65	70	40	40	
THU	19	45	0.07	2,240	2,330	0.0598	12.9	6.8	3.9		14.4	6.7	6.8	0.0000				30	61	10	40	40	
FRI	20	40	0.32	2,230	2,150	0.0590	14.9	6.9	4.3		14.9	6.8	6.9	0.0000					59	40	20	20	
SAT	21	43	0.41	2,240	2,210	0.0540														60	40	10	10
SUN	22	46	0.33	2,270	2,440	0.0610														62	50	30	30
MON	23	44	0.24	2,370	2,320	0.0688	13.6	7.2	4.4		14.6	7.0	7.6	0.0000	5.0	96.7	5.2	100.6	62	70	40	40	
TUE	24	41	0.08	2,240	2,230	0.0825	12.6	7.0	4.7		15.1	6.7	5.8	0.0000					62	50	50	50	
WED	25	41	0.08	2,310	2,180	0.0979	13.0	7.0	5.2		14.3	6.5	7.5	0.0000	5.0	90.9	4.9	89.1	63	70	40	40	
THU	26	37	0.00	2,170	1,990	0.0812	13.5	6.9	4.8		14.5	6.6	7.2	0.0000					61	40	50	50	
FRI	27	36	0.00	2,110	2,070	0.0780	13.4	6.9	5.0		14.7	6.8	7.8	0.0000	4.7	81.1	5.8	100.1	60	40	20	20	
SAT	28	36	0.00	2,260	2,140	0.0610														59	50	40	40
SUN																							
MON																							
TUE																							
WED																							
THU																							
FRI																							
SAT																							
TOTAL				66,980	66,040	2,1073	14.9	7.2	6.3		15.4	7.0	7.8	0.0000	43.0	742.3	26.0	448.9	1724	1446	1090	1090	
MAXIMUM		54	1.99	2,850	2,920	0.1690	12.6	6.6	3.9		13.8	6.5	5.8	0.0000	4.7	81.1	2.9	66.3	66	100	90	90	
MINIMUM		33	0.00	2,010	1,990	0.0138	13.7	7.0	4.8		14.7	6.7	7.1	0.0000	12.8	236.8	8.5	153.9	54	10	10	10	
AVERAGE		42.96429	0.36	2,3921	2,3586	0.0753	13.7	7.0	4.8		14.7	6.7	7.1	0.0000	4.7	81.1	5.8	100.1	62	52	39	39	

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

* AMMONIA AS N = 1.2 MG/L

WEEK	WEEKLY AVERAGE				WEEKLY			
	BOD MG/L	TSS MG/L	CHLORINE MG/L	COLIFORM MG/L	BOD LBS	TSS LBS	CHLORINE LBS	COLIFORM MG/L
01-07	26.0	448.9	43.0	742.3	448.9	43.0	0.0000	45.1
08-14	2.9	66.3	13.0	297.1	66.3	13.0	0.0000	65.7
15-21	6.3	118.2	6.0	112.6	118.2	6.0	0.0000	42.9
22-28	5.3	96.6	4.9	89.6	96.6	4.9	0.0000	18.2
MAX	26.0	448.9	43.0	742.3	448.9	43.0	0.0	65.7

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

POWER USAGE IN KILOWATT-HOURS	
TOTAL	275840