

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

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

MAJOR
(SUB 01)
F - FINAL
EFFLUENT

*** NO DISCHARGE

NOTE: Read instructions before completing this form.

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

001 A
DISCHARGE NUMBER

MONITORING PERIOD
YR 2001 MO 03 DAY 01 TO YEAR 2001 MO 03 DAY 31
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FROM

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	(3 Card Only) (46-53)		QUANTITY OR LOADING (54-61)		QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG, CENTIGRADE 0010 1 0 0	*****	*****	*****	*****	*****	*****	*****	*****	0	5/7	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
BOD, 5-DAY (20 DEG. C) 00310 G 0 0	3671	*****	*****	*****	*****	*****	*****	*****	0	2/7	COMP 24
RAW SEM/INFLUENT	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
BOD, 5-DAY (20 DEG. C) 00310 1 0 0	88.1	*****	*****	*****	*****	*****	*****	*****	0	1/7	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	GRAB
pH	*****	*****	*****	*****	*****	*****	*****	*****	0	5/7	GRAB
00400 1 0 0	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
SOLIDS, TOTAL SUSPENDED 00530 G 0 0	2764	*****	*****	*****	*****	*****	*****	*****	0	1/7	COMP 24
RAW SEM/INFLUENT	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	120.9	*****	*****	*****	*****	*****	*****	*****	0	1/7	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	WEEKLY	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0	196	*****	*****	*****	*****	*****	*****	*****	0	1/ month	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	ONCE/ MONTH	GRAB

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND ANALYZED 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 40 C.F.R. 101.11 AND 33 U.S.C. & 319.
(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, WWTP SUPT.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
TELEPHONE: 907 789-9919
DATE: 2001 04 08

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

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

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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

001 A
DISCHARGE NUMBER

MONITORING PERIOD	
YR	MO
2001	03
DAY	TO
01	31

PARAMETER (32-37)	(3 Card Only)			(24-25)			(26-27)		(28-29)		SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (20-21) (4 Card Only)	AVERAGE (46-53)	MAXIMUM (24-25)	EX (62-63)	FREQUENCY OF ANALYSIS (64-68)			
COLIFORM, FECAL MF, M-FC BROTH, 44-5C, 31616 1 0 0	*****	*****	*****	*****	4	12	0	3/7			GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	200 MO. SEQ.	400 WKLY. SEQ.	0	THREE TIMES/ WEEK			GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	2.0714	(3)		*****	*****	*****	0	7/7			CONT
50950 1 0 0	REPORT MO. AVG.			*****	*****	*****	0	CONTINUOUSLY RECORDED			CONT
EFFLUENT GROSS VALUE	*****	MGD		*****	0.0105	*****	0	CONTINUOUSLY RECORDED			CONT
CHLORINE TOTAL	*****	0.02		*****	0.04 MO. AVG.	*****	0	CONTINUOUSLY RECORDED			CONT
50060 1 0 0	*****	0.002 DAILY MAX		*****	*****	*****	0	CONTINUOUSLY RECORDED			CONT
EFFLUENT GROSS VALUE	*****	*****		*****	*****	*****	0	CONTINUOUSLY RECORDED			CONT
BOD, 5-DAY PERCENT REMOVAL	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP
81010 K 0 0	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP 24
PERCENT REMOVAL	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP 24
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP 24
81011 K 0 0	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP 24
PERCENT REMOVAL	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP 24
COPPER	*****	*****		*****	*****	*****	0	1/ month ONCE/ MONTH			COMP 24
TOTAL RECOVERABLE	0.196	0.196		*****	0.012	0.012	1	1/ month ONCE/ MONTH			COMP 24
MEASUREMENT	0.342 MO. AVG.	0.858 DAILY MAX		*****	MDL=0.00056	MDL=0.00056	0	1/ month ONCE/ MONTH			COMP 24
REQUIREMENT	0.000	0.000	LBS/DAY	*****	0.0201 DAILY MAX	0.0201	0	1/ month ONCE/ MONTH			COMP 24
MEASUREMENT	0.225 MO. AVG.	0.450 DAILY MAX		*****	MDL=0.00029	MDL=0.00029	0	1/ month ONCE/ MONTH			COMP 24
REQUIREMENT	0.000	0.000	LBS/DAY	*****	0.0035 DAILY MAX	0.0035	0	1/ month ONCE/ MONTH			COMP 24
MEASUREMENT	0.036 MO. AVG.	0.072 DAILY MAX		*****	MDL=0.00003	MDL=0.00003	0	1/ month ONCE/ MONTH			COMP 24
REQUIREMENT	0.000	0.000	LBS/DAY	*****	0.0087 DAILY MAX	0.0087	0	1/ month ONCE/ MONTH			COMP 24

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NAME: ANDREW BRONSON
TITLE: PRINCIPAL EXECUTIVE OFFICER
SIGNATURE: 
WORKER: Andrew Bronson
SUPERINTENDENT: Andrew Bronson
TELEPHONE: (907) 789-9919
AREA CODE: 907
PHONE NUMBER: 789-9919
YEAR: 2001
MO: 04
DAY: 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS
* THE EFFLUENTS CL2 RESIDUAL WAS BELOW OUR EFFLUENT ANALYZERS DETECTABLE LEVEL.
* THE RECORDED AVERAGE CL2 RESIDUAL WAS CALCULATED FROM GRAB SAMPLES COLLECTED 2 (DAY 5 DAYS)/WEEK. A 0.0400 mg/L CALIBRATION STANDARD WAS USED.

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

MAJOR (SUB 01) OMB No. 2040-0004
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LOCATION: JUNEAU, ALASKA 99801
ATT: ANDREW BRONSON, WWTP SUPT.

(2-16) AK0022951
PERMIT NUMBER

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MONITORING PERIOD

YR	MO	DAY	YEAR	MO	DAY
2001	03	01	2001	03	31

PARAMETER (32-37)	(3 Card Only) (46-53)		QUANTITY OR LOADING (54-61)		QUANTITY OR CONCENTRATION (54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	UNITS	MINIMUM	AVERAGE			
ZINC	1.389	1.389			0.085	0.085	1	1/ month ONCE/ MONTH	COMP 24
TOTAL RECOVERABLE	2.92	6.090			MDL=0.0031	MDL=0.0031			
EFFLUENT GROSS VALUE	MO.AVG.	DAILY MAX	LBS/DAY		0.0714	0.149			
HARDNESS, AS CaCO ₃	*****	*****	*****		MO.AVG.	DAILY MAX	0	1/ month ONCE/ MONTH	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****		*****	51.00			
ALKALINITY AS CaCO ₃	*****	*****	*****		REPORT MONTHLY	REPORT MONTHLY	0	1/ month ONCE/ MONTH	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****		*****	120.00			
TURBIDITY	*****	*****	*****		REPORT MONTHLY	REPORT MONTHLY	0	1/ month ONCE/ MONTH	CONT
EFFLUENT GROSS VALUE	*****	*****	*****		*****	6.2		7/7	
DISSOLVED OXYGEN	*****	*****	*****		REPORT MAX MONTHLY	REPORT MONTHLY	0	CONTINUOUSLY RECORDED	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****		*****	7.8			
TOXICITY, CERIODAPHNIA CHRONIC	*****	*****	*****		REPORT QUARTERLY	REPORT QUARTERLY	0	1/ quarter ONCE/ QUARTER	COMP 24
EFFLUENT GROSS VALUE	*****	*****	*****		*****	2.0		TWICE/ YEAR	

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NAME/TITLE: ANDREW BRONSON, WWTP SUPT. SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
TELEPHONE: 789-9919 PHONE NUMBER
DATE: 04 MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)
*THE EFFLUENTS CL2 RESIDUAL WAS BELOW OUR EFFLUENT ANALYZERS DETECTABLE LEVEL.
* THE RECORDED AVERAGE CL2 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 Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska

EPA REPORT

March 2001

DAY	DATE	WEATHER		FLOWS			INFLUENT				EFFLUENT						MISCELLANEOUS											
		TEMP °F	RAIN INCHES	SRR INFLUENT MGD	SRR TREATMENT MGD	SRR WASTE MGD	pH	TEMP °C	D.O. mg/L	S.S. mg/L	B.O.D. lbs	B.O.D. mg/L	RES mg/L	CL mg/L	TURBID. NTU	D.O. mg/L	pH	TEMP °C	BOD mg/L	CHL. mg/L	S.S. mg/L	B.O.D. lbs	B.O.D. mg/L	FECAL COLIFORM /100 ml	POWER METER READING	CL USED LBS	SO. USED LBS	
SUN	4	32	0.00	2.1400	0.0660		7.2	10.5	7.2	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	62	40	40
MON	5	32	0.07	2.2500	0.0551		7.2	10.7	7.2	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	63	40	80
TUE	6	38	0.52	2.1800	0.0553		6.9	9.6	6.9	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	66	20	10
WED	7	39	0.11	2.2700	0.0554		7.3	11.0	7.3	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	63	20	30
THU	8	38	0.06	2.2200	0.0555		7.4	10.9	7.4	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	10	40
FRI	9	38	0.73	2.2500	0.0566		7.6	10.6	7.6	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	10	40
SAT	10	38	0.33	2.5500	0.0540		7.6	10.6	7.6	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	60	150	50
SUN	11	43	0.31	2.6400	0.0575		6.9	9.4	6.9	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	63	50	40
MON	12	38	0.12	2.3600	0.0608		7.1	9.9	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	62	70	40
TUE	13	37	0.01	2.2300	0.0575		7.0	9.9	7.0	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	64	70	90
WED	14	40	0.00	2.1600	0.0525		7.1	9.8	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	64	40	30
THU	15	39	0.22	2.2100	0.0771		7.2	10.4	7.2	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	60	40
FRI	16	37	0.15	2.2100	0.0771		7.1	10.4	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	65	60	50
SAT	17	38	0.07	2.3300	0.0999		7.1	10.4	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	68	50	30
SUN	18	30	0.01	2.2700	0.1010		7.0	10.7	7.0	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	50	30
MON	19	20	0.00	2.2100	0.1039		7.0	8.7	7.0	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	56	100	90
TUE	20	16	0.00	2.1700	0.0890		6.9	9.0	6.9	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	64	30	20
WED	21	16	0.00	2.2500	0.0291		7.1	10.3	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	66	40	50
THU	22	16	0.00	2.1500	0.0276		7.1	10.6	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	66	60	40
FRI	23	20	0.00	2.1900	0.0798		7.2	10.5	7.2	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	40	20
SAT	24	31	0.00	2.1900	0.0953		7.3	10.9	7.3	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	40	20
SUN	25	40	0.05	2.1600	0.0780		7.3	10.1	7.3	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	62	50	50
MON	26	38	0.09	2.0800	0.0680		6.8	9.8	6.8	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	56	30	30
TUE	27	36	0.14	1.9900	0.0850		7.3	10.8	7.3	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	61	40	40
WED	28	36	0.15	2.0400	0.0791		6.9	11.6	6.9	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	59	40	20
THU	29	37	0.01	2.1600	0.0968		7.3	11.1	7.3	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	65	70	40
FRI	30	36	0.11	2.1300	0.0910		7.1	11.7	7.1	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	62	30	30
SAT	31	36	0.03	2.2000	0.0922		7.3	11.3	7.3	120	1962	200	3269	5.0	8.7	6.6	6.6	10.5	0.1000	0.1000	6.0	98.1	5.8	94.8	9	63	30	30
SUN					0.0845																							
MON																												
TUE																												
WED																												
THU																												
FRI																												
SAT																												
TOTAL																												
MAXIMUM																												
MINIMUM																												
AVERAGE																												

March 2001

Hrd. (mg/l)	51.00
Alk. (mg/l)	120.00
D.O. (mg/l)	7.8
Turb. (ntu)	6.2
Tox. (Tc)	2.0

March 2001

Cu	0.012	lbs	0.196
Pb	<0.00029	0.000	
Ag	<0.00003	0.000	
Zn	0.085	1.389	
NH4	12.0	196	

March 2001

WEEK	BOD mg/l	CHLORINE lbs	WEEKLY COLIFORM
04-10	5.8	94.8	12.5
11-17	4.1	74.2	17.7
18-24	4.9	82.5	3.7
25-31	5.6	81.7	4.9
MAX	5.8	94.8	12.5

WEEKLY AVERAGE

TSS	mg/l	lbs	
11.0	160.5	5.8	
5.0	84.2	4.1	
7.0	112.9	5.1	
11.0	160.5	0.3120	52.1
160.5	0.3120	52.1	12.5

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

POWER USAGE IN KILOWATT-HOURS	
TOTAL	279360

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