

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
FACILITY: MENDENHALL VALLEY SERVICE AREA
LOCATION: JUNEAU, ALASKA 99801
ATTN: Ernie Mueller Public Works Director

(2-16)

AK0022951
PERMIT NUMBER

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

(17-19)


001 A
DISCHARGE NUMBER

MONITORING PERIOD			
FROM	TO	YEAR	DAY
2001	01	2001	30

PARAMETER (32-37)	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING (54-61)		QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM			
TEMPERATURE, WATER DEG, CENTIGRADE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0	5/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0	5/7	GRAB
BOD 5-DAY (20 DEG, C)	SAMPLE MEASUREMENT	3970	*****	*****	*****	*****	0	2/7	COMP 24
BOD 5-DAY (20 DEG, C) RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	*****	*****	*****	*****	0	1/7	COMP 24
BOD 5-DAY (20 DEG, C) EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	114.5	128.3	*****	*****	*****	0	5/7	GRAB
pH	SAMPLE MEASUREMENT	*****	*****	6.5	*****	*****	0	5/7	GRAB
00400 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0	1/7	COMP 24
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	3092	*****	*****	*****	*****	0	1/7	COMP 24
00330 G.0.0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	*****	*****	*****	*****	0	1/7	COMP 24
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	90.1	105.4	*****	*****	*****	0	1/7	COMP 24
00330 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	*****	*****	*****	*****	0	1/7	COMP 24
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	0	0	*****	*****	*****	0	1/7	GRAB
00610 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	*****	*****	*****	*****	0	1/7	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 2383. (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
Ernie Mueller
Public Works Director
TYPED OR PRINTED
COMMENT AND EXPLANATION OF ANY VIOLATIONS
*CONCERNING VIOLATION - PLEASE SEE ATTACHED.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT


907 AREA CODE
789-9919 PHONE NUMBER
2001 YEAR
05 MO
08 DAY

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ADDRESS: MENDEHALL TREATMENT PLANT
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ATTN: Ernie Mueller Public Works Director

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MAJOR (SUB 01)
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NOTE: Read instructions before completing this form.
Form Approved.
OMB No. 2040-0004
Approval Expires 05-31-98

MONITORING PERIOD			
FROM	TO	YEAR	MO
2001	2001	2001	04
DAY	DAY	DAY	DAY
01	01	2001	04
			30

PARAMETER (32-37)	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM			
COLIFORM, FECAL MF, MFC BROTH, 44,5C 31616 1 0 0	SAMPLE PERMIT REQUIREMENT	*****	*****	*****	200	400	0	3/7	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE PERMIT REQUIREMENT	1.8311	*****	*****	MO GEO	WELY GEO	0	7/7	CONT
CHLORINE TOTAL RESIDUAL 50060 100	SAMPLE PERMIT REQUIREMENT	*****	0.082 DAILY MAX	*****	0.04 MO AVG.	*****	0	5/7	CONT
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0	SAMPLE PERMIT REQUIREMENT	*****	*****	97	*****	*****	0	1/month	COMP
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE PERMIT REQUIREMENT	*****	*****	97	*****	*****	0	1/month	GRAB
COPPER TOTAL RECOVERABLE	SAMPLE PERMIT REQUIREMENT	*****	*****	*****	19.000	19.000	1	1/month	COMP 24
LEAD TOTAL RECOVERABLE	SAMPLE PERMIT REQUIREMENT	*****	*****	*****	8.36 MO AVG.	21.1 DAILY MAX	0	1/month	COMP 24
SILVER TOTAL RECOVERABLE	SAMPLE PERMIT REQUIREMENT	*****	*****	*****	5.5 MO AVG.	13 DAILY MAX	0	1/month	COMP 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	0.87 MO AVG.	1.75 DAILY MAX		ONCE/MONTH	

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: Ernie Mueller
Public Works Director
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: 
OFFICER OR AUTHORIZED AGENT (REFERENCE ALL ATTACHMENTS HERE)
TYPED OR PRINTED (907) AREA CODE (907) PHONE NUMBER 789-9919 YEAR 2001 MO 05 DATE 08
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REPLACES EPA FORM 1-40 WHICH MAY NOT BE USED)

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: MENDELHALL TREATMENT PLANT
155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
MENDELHALL VALLEY SERVICE AREA
JUNEAU, ALASKA 99801
Emile Mueller Public Works Director

FROM

YR	MO	DAY
2001	04	01

MONITORING PERIOD

YR	MO	DAY
2001	04	30

(2-16)
AK0022951
PERMIT NUMBER

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OMB No. 2040-0004
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		AVERAGE (46-53)	MAXIMUM	UNITS	MINIMUM (46-53)	AVERAGE (46-53)	MAXIMUM (46-53)			
ZINC	PERMIT	*****	*****	*****	*****	61.000	61.000	0	1/ month	COMP 24
TOTAL RECOVERABLE	PERMIT	*****	*****	*****	*****	71.4	149.000	0	1/ month	COMP 24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	MO AVG.	DAILY MAX 76.00	0	1/ month	COMP 24
HARDNESS, AS CaCO ₃	PERMIT	*****	*****	*****	*****	*****	REPORT MONTHLY 140.00	0	1/ month	COMP 24
ALCALINITY AS CaCO ₃	PERMIT	*****	*****	*****	*****	*****	REPORT MONTHLY 3.7285	0	1/ month	CONTINUOUSLY RECORDED
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	REPORT MAX MONTHLY 6.6	0	1/quarter	GRAB
DISSOLVED OXIGEN	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB
TOXICITY, CERIODAPHNIA CHRONIC	PERMIT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	REPORT QUARTERLY 2.0	0	1/quarter	GRAB

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Emile Mueller
Public Works Director
(Signature)
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: (907) 789-9919
AREA CODE: (907)
PHONE NUMBER: 789-9919

DATE: 2001 05 08
YEAR: 2001
MO: 05
DAY: 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)
** THE EFFLUENTS C12 RESIDUAL WAS BELOW OUR EFFLUENT ANALYZERS DETECTABLE LEVEL.
** THE RECORDED AVERAGE C12 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'l Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)
100434/981209 1904
PAGE 3 OF 3

EPA REPORT

MENDENHALL WASTEWATER TREATMENT FACILITY
Juneau, Alaska

April 2001

DAY	DATE	WEATHER		FLOWS		INFLUENT		EFFLUENT		MISCELLANEOUS																
		TEMP °F	RAIN INCHES	SRR INFLUENT MG/D	SRR TREAT. MG/D	S.S. MG/L	B.O.D. MG/L	TEMP °C	pH	D.O. MG/L	S.S. LBS	B.O.D. LBS	TEMP °C	pH	D.O. MG/L	TURBID. MAX NTU	GR. RES. MG/L	S.S. LBS	B.O.D. LBS	B.O.D. LBS	FECAL COLIFORM /100 ml	POWER METER READING	GAS USED LBS	SO ₂ USED LBS		
SUN	1	34	0.02	2,020	1,890	0.0785	11.3	7.1	6.4	190	2836	240	3583	11.0	6.5	6.2	4.3	0.0100	6.9	103.0	6.3	94.1	2	62	50	30
MON	2	31	0.00	2,100	1,990	0.0726	11.7	7.0	6.0	190	2836	240	3583	11.2	6.7	6.6	3.7	0.0100	6.9	103.0	6.3	94.1	2	62	50	30
TUE	3	36	0.25	1,990	1,790	0.0730	11.0	6.9	7.3					11.4	6.8	6.6	5.3	0.0200					61	40	30	
WED	4	40	0.14	2,090	1,940	0.0803	10.5	6.8	7.3					11.7	6.9	5.9	4.7	0.0100					62	50	40	
THU	5	36	0.01	2,080	1,900	0.0912	11.2	7.1	5.5					12.3	6.7	5.8	5.5	0.0100					64	40	30	
FRI	6	38	0.00	2,090	1,920	0.0721																	60	50	50	
SAT	7	37	0.00	2,150	1,960	0.0665																	65	40	40	
SUN	8	33	0.19	2,070	1,900	0.0580	11.3	7.0	6.9	190	2821	250	3711	11.7	6.8	8.8	3.1	0.0100	3.9	57.9	7.5	111.3	4	59	50	50
MON	9	38	0.00	2,070	1,780	0.0605	10.6	9.4	7.6	190	3082	220	3229	11.0	6.6	7.1	2.9	0.0100	6.8	99.8	8.4	123.3	5	57	50	30
TUE	10	39	0.00	1,900	1,740	0.0684	10.6	6.8	7.6					12.0	6.7	7.1	3.7	0.0100					61	40	40	
WED	11	41	0.06	1,900	1,820	0.0861	11.2	7.0	6.5					11.8	6.6	7.8	2.7	0.0100					61	30	30	
THU	12	40	0.04	2,020	1,720	0.0946	10.7	6.9	7.9					11.7	6.6	7.8	2.7	0.0100					62	50	50	
FRI	13	41	0.09	2,130	1,970	0.0871																	61	40	40	
SAT	14	39	0.00	2,040	1,820	0.0731	12.6	7.1	5.9	210	3082	220	3229	11.4	6.6	7.3	3.4	0.0100	6.8	99.8	8.4	123.3	5	57	50	30
SUN	15	39	0.00	1,990	1,760	0.0706	11.7	7.0	6.8					11.8	6.8	7.8	3.8	0.0100					61	40	40	
MON	16	41	0.00	1,880	1,760	0.0599	12.2	7.3	6.3					13.4	6.7	9.6	3.8	0.0100					58	50	70	
TUE	17	40	0.04	1,880	1,720	0.0964	11.7	7.4	6.1					12.4	7.4	8.2	4.9	0.0100					58	40	40	
WED	18	46	0.00	1,920	1,800	0.0911																	60	40	40	
THU	19	44	0.00	2,010	1,810	0.0811	11.6	7.2	6.2	220	3211	330	4816	12.2	6.7	7.6	3.2	0.0100	6.0	87.6	7.8	113.8	13	58	40	30
FRI	20	45	0.00	1,990	1,710	0.0726	12.5	7.0	4.6	220	3211	330	4816	13.4	6.7	7.7	3.4	0.0100	6.0	87.6	7.8	113.8	13	59	50	40
SAT	21	45	0.03	1,990	1,720	0.0907	12.5	7.0	4.6					13.4	6.6	5.9	3.7	0.0200					60	40	40	
SUN	22	46	0.04	1,990	1,720	0.0948	12.5	7.0	7.8					13.7	6.8	8.6	3.4	0.0100					62	30	40	
MON	23	44	0.11	1,900	1,960	0.0919	11.9	6.9	6.7					13.0	6.8	8.0	3.1	0.0100					63	60	40	
TUE	24	42	0.33	1,990	1,960	0.0907																	56	60	40	
WED	25	45	0.03	2,060	1,960	0.0907																	60	40	40	
THU	26	43	0.22	2,080	1,960	0.0919																	60	40	40	
FRI	27	43	0.42	2,100	2,010	0.0907																	60	40	40	
SAT	28	43	0.10	2,100	2,010	0.0907																	60	40	40	
SUN																										
MON																										
TUE																										
WED																										
THU																										
FRI																										
SAT																										
SUN																										
TOTAL			2.09	56,440	51,270	2,1361																				
MAXIMUM		46	0.42	2,150	2,010	0.0964	12.6	9.4	7.9	220	3211	330	4816	13.7	7.4	9.9	5.5	0.0200	6.9	103.0	8.4	123.3	170	1688	1180	1120
MINIMUM		31	0.00	1,880	1,700	0.0206	10.5	6.8	4.6	190	2821	220	3229	11.0	6.5	5.8	2.7	0.0100	3.9	57.9	6.3	94.1	2	65	56	20
AVERAGE		40.32143	0.07	2,0157	1,8311	0.0763	11.5	7.2	6.7	203	2988	260	3855	12.2	6.7	7.7	3.7	0.0110	5.9	87.1	7.5	110.6	9	60	42	40

COMMENTS:
*GEOMETRIC MEAN WAS USED TO CALCULATE
THE AVERAGE FECAI COLUMN VALUES

April 2001	
Hhd. (mg/l)	76.0
D.O. (mg/l)	140.0
Turb. (ntu)	6.6
Tox. (TUs)	3.7
	2.0

April 2001	
Copper	19.0 ug/l
Lead	1.0
Silver	0.3
Zinc	61.0
NH(mg/L)	15.0

WEEK	WEEKLY AVERAGE				WEEKLY			
	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs
04-10	6.3	94.1	6.9	103.0	0.0120	45.7		4.8
11-17	7.5	111.3	3.9	57.9	0.0100	41.4		3.4
18-24	8.4	123.3	6.8	99.8	0.0100	40.0		48.0
25-31	7.8	113.8	6.0	87.6	0.0120	41.4		5.9
MAX	8.4	123.3	6.9	103.0	0.0120	45.7		48.0

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

POWER USAGE IN KILOWATT-HOURS	
TOTAL	270090