

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: MENDEHALL TREATMENT PLANT  
155 SOUTH SEWARD,  
JUNEAU, ALASKA 99801  
MENDENHALL VALLEY SERVICE AREA  
JUNEAU, ALASKA 99801  
ATTN: Roger Hulse WWTP Supervisor

(2-16)  
AK0022951  
PERMIT NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2001	05	01	2001

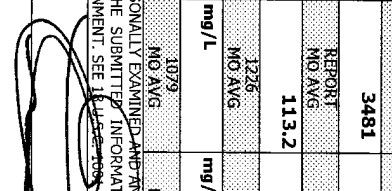
(17-19)  
001 A  
DISCHARGE NUMBER

Form Approved.  
OMB No. 2040-0004  
Approval Expires 05-31-98  
\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE (46-53)	MAXIMUM (54-61)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
TEMPERATURE WATER DEG. CENTIGRADE 00010 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	WEEK DAYS	GRAB
BOD, 5-DAY (20 DEG. C) 00310 G.0.0 RAW SEWAGE/EFFLUENT	PERMIT REQUIREMENT	4353	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
BOD, 5-DAY (20 DEG. C) 00310 G.0.0 RAW SEWAGE/EFFLUENT	PERMIT REQUIREMENT	REPORT NO AVG	*****	*****	REPORT NO AVG	*****	*****	0	WEEKLY	COMP 24
BOD, 5-DAY (20 DEG. C) 00310 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1226 NO AVG	1839 WEEKLY AVG	*****	30 NO AVG	45 WEEKLY AVG	*****	0	WEEKLY	COMP 24
pH	SAMPLE MEASUREMENT REQUIREMENT	*****	*****	6.5 MIN.	*****	8.5 MAXIMUM	*****	0	WEEK DAYS	GRAB
00400 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	WEEKLY	COMP 24
SOLIDS, TOTAL 00530 G.0.0 RAW SEWAGE/EFFLUENT	PERMIT REQUIREMENT	3481	*****	*****	REPORT NO AVG	*****	*****	0	WEEKLY	COMP 24
SOLIDS, TOTAL 00530 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	113.2	*****	*****	REPORT NO AVG	*****	*****	0	WEEKLY	COMP 24
NITROGEN, AMMONIA TOTAL (AS N) 00610 1.0.0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1326 NO AVG	1839 WEEKLY AVG	*****	30 NO AVG	45 WEEKLY AVG	*****	0	WEEKLY	GRAB

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND VERIFIED 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 AAC 139.005 AND 33 U.S.C. & 139. (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

Signature:   
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA CODE: 907  
PHONE NUMBER: 789-9919  
TELEPHONE

YEAR: 2001  
DATE: 06 08

COMMENTS AND EXPLANATION OF ANY VIOLATIONS  
(REFERENCE ATTACHMENTS HERE)

\*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: MENDELHALL TREATMENT PLANT  
155 SOUTH SEWARD,  
JUNEAU, ALASKA 99801  
MENDENHALL VALLEY SERVICE AREA  
JUNEAU, ALASKA 99801  
ATTN: Roger Hulse WWTP Supervisor

(2-16)  
AK0022951  
PERMIT NUMBER

MONITORING PERIOD  
FROM 2001 05 01 TO 2001 05 01


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  
001 A  
DISCHARGE NUMBER

PARAMETER (32-37)	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	WEEKLY GEO			
COLIFORM, FECAL MF, M-FC BROTH, 44.5C 31616 1.0.0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	3/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	7/7	CONT
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1.0.0	SAMPLE MEASUREMENT	2.0389	*****	*****	*****	*****	*****	0	5/7	CONT
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	5/7	CONT
CHLORINE TOTAL RESIDUAL 50060 100	SAMPLE MEASUREMENT	*****	0.082	*****	0.04	*****	*****	0	CONTRIBUTORILY RECORDED	COMP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	CACTD
BOD, 5-DAY PERCENT REMOVAL 81010 K 0.0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	CACTD
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	GRAB
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0.0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	CACTD
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	COMP 24
COPPER TOTAL RECOVERABLE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	1	1/ month	COMP 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	COMP 24
LEAD TOTAL RECOVERABLE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	COMP 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	COMP 24
SILVER TOTAL RECOVERABLE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	COMP 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1/ month	COMP 24

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, AS SET FORTH IN 40 C.F.R. 121.10 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 PRINCIPAL EXECUTIVE OFFICER: Ernie Mueller  
Public Works Director

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER: 

OFFICER OR AUTHORIZED AGENT: 

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

YEAR: 2001 MO: 06 DATE: 08

TYPE OR PRINTED 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) (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED) 00434/981209 1904 PAGE 2 OF 3

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ADDRESS: 155 SOUTH SEWARD, JUNEAU, ALASKA 99801  
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ATT: Roger Hulise WWTP Supervisor

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AK0022951  
PERMIT NUMBER

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ADDRESS: 155 SOUTH SEWARD, JUNEAU, ALASKA 99801  
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AK0022951  
PERMIT NUMBER

MONITORING PERIOD  
FROM TO  
YR MO DAY TO YR MO DAY  
2001 05 01 2001 05 31

PARAMETER (32-37)	X	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (24-25)			MONITORING PERIOD (26-27)			FREQUENCY OF ANALYSIS (28-29)			SAMPLE TYPE (30-31)		
		AVERAGE (46-53)	MAXIMUM	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM	UNITS	YEAR	EX	MO	DAY	NO.	EX	MO	DAY
ZINC																
TOTAL RECOVERABLE		MEASUREMENT	*****	*****	*****	46.000	46.000	ug/L	0	0	0	1/ month	ONCE/ MONTH	COMP 24		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	71.4	78.00	149.000	DAILY MAX								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	78.00	0	0	0	1/ month	ONCE/ MONTH	COMP 24		
HARDNESS, AS CaCO3	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	140.00	0	0	0	1/ month	ONCE/ MONTH	COMP 24		
ALKALINITY AS CaCO3	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	2.06	0	0	0	7/7	CONTINUOUSLY RECORDED	GRAB		
EFFLUENT GROSS VALUE DISSOLVED OXIGEN	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	NTU								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	7.8168	0	0	0	1/quarter	ONCE/ QUARTER	COMP 24		
EFFLUENT GROSS VALUE TOXICITY, CERIODAPHNIA CHRONIC	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	MG/L								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	TLC								
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	10.0								
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****								
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****								
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EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****								
	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****								
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****													

EPA REPORT

MENDENHALL WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

May 2001

DAY	DATE	WEATHER			FLOWS			INFLUENT			EFFLUENT			MISCELLANEOUS														
		TEMP °F	RAIN INCHES	SRR MGD	SRR MGD	TTL EFFL. MGD	SRR MGD	WASTE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	B.O.D. LBS	B.O.D. LBS	FECAL COLIFORM /100 ml	POWER METER READING	Cl USED LBS	SO <sub>2</sub> USED LBS									
SUN	28	42	0.06	2.0200	1.8300	0.0665	0.0707	12.2	7.5	7.1	220	3523	340	12.7	6.8	8.5	2.5	0.0100	6.0	99.6	5.2	86.3	8	62	61	40	30	
MON	30	45	0.03	2.0600	1.9100	0.0655		13.4	7.1	5.6	200	3052	230	12.5	6.8	8.1	2.6	0.0100	6.3	96.2	4.9	74.8	5	59	60	40	50	
TUE	1	44	0.05	1.9500	1.8300	0.0596		13.1	7.0	7.3				12.9	7.8	6.9	2.5	0.0100					8	60	60	40	40	
WED	2	39	0.89	1.9800	1.7200	0.0529		12.1	7.2	6.7				12.9	6.7	6.3	2.6	0.0200					2	63	60	40	40	
THU	3	41	0.47	2.2100	2.1500	0.0598		12.5	7.3	6.3				12.9	7.0	8.6	2.8	0.0200					2	65	50	40	40	
FRI	4	40	0.31	2.3100	2.2600	0.0905																	2	65	50	40	40	
SAT	5	38	0.04	2.1600	2.1400	0.0888																	3	60	50	40	40	
SUN	6	45	0.00	2.1900	2.0500	0.0810																	3	60	50	40	40	
MON	7	42	0.32	2.0900	1.9700	0.0731		11.4	7.3	6.9	210	3485	230	12.5	6.9	7.7	2.1	0.0200	6.0	99.6	5.2	86.3	8	62	62	40	40	
TUE	8	42	0.58	2.2300	1.9900	0.0782		11.9	7.6	6.7				12.8	7.0	7.4	1.9	0.0100					2	61	60	40	40	
WED	9	40	0.28	2.5300	2.3300	0.0887		11.6	7.1	7.8				12.7	6.8	8.2	2.0	0.0200					2	61	60	40	40	
THU	10	43	0.00	2.2800	2.1100	0.0827		11.6	7.2	7.1				12.8	6.8	7.3	2.1	0.0300					4	63	60	40	40	
FRI	11	44	0.11	2.3400	2.2100	0.0800		12.2	7.1	7.1				12.8	7.3	9.6	2.6	0.0100					3	64	60	40	10	
SAT	12	47	0.07	2.3500	2.1500	0.0843																	3	59	40	40	30	
SUN	13	43	0.03	2.3300	2.1000	0.0924																	3	61	60	40	60	
MON	14	46	0.00	2.2000	1.9600	0.0812		11.1	7.2	7.4	220	3523	240	12.6	6.7	7.5	2.0	0.0100	12.0	192.2	6.3	100.9	2	61	50	40	40	
TUE	15	46	0.00	2.1700	1.9200	0.0764		11.8	7.4	7.1				13.4	6.8	7.0	2.1	0.0100					2	60	60	40	40	
WED	16	46	0.00	2.1600	1.9700	0.0940		12.5	7.5	7.1				13.1	6.9	7.4	2.2	0.0200					5	60	60	40	20	
THU	17	47	0.03	2.1400	1.9600	0.0948		12.1	7.4	7.2				13.4	6.8	7.8	2.1	0.0200					2	65	40	40	40	
FRI	18	48	0.12	2.2500	1.9800	0.0903		12.9	7.7	6.1				13.2	7.2	8.9	2.3	0.0100					2	65	40	40	30	
SAT	19	45	0.01	2.1300	2.0400	0.0799																	3	61	60	40	30	
SUN	20	46	0.13	2.0900	1.9800	0.0648																	3	60	50	40	40	
MON	21	48	0.18	2.0500	1.9200	0.0569		12.7	7.6	7.4				13.3	7.0	8.0	1.7	0.0300					5	57	50	40	40	
TUE	22	47	0.31	2.0900	1.9700	0.0551		11.8	7.4	6.9	200	3286	340	13.8	7.0	7.9	1.8	0.0200	5.0	82.1	6.7	110.1	2	61	60	40	40	
WED	23	43	0.41	2.1200	2.0200	0.0636		12.5	7.1	7.1				13.8	6.8	7.9	1.8	0.0100					4	65	60	40	40	
THU	24	45	0.01	2.2500	2.1000	0.0755		12.8	7.2	6.9				14.8	6.9	7.1	1.8	0.0100					2	64	60	40	40	
FRI	25	46	0.00	2.2800	2.2300	0.0720		12.9	7.0	5.8				13.5	6.5	7.7	1.8	0.0100					2	64	50	40	50	
SAT	26	48	0.00	2.2000	2.1200	0.0794																	3	61	50	40	30	
SUN	27	51	0.11	2.1500	2.0400	0.0767																	3	61	50	40	50	
MON	28	52	0.03	2.2100	2.1600	0.0807		11.3	7.2	7.7				13.3	6.8	8.0	1.4	0.0100					2	62	40	40	40	
TUE	29	48	0.29	2.1600	2.0300	0.0765		11.9	7.2	6.9	194	3278	240	14.0	6.8	7.6	1.5	0.0100	4.0	67.7	4.3	72.8	2	62	40	40	30	
WED	30	51	0.04	2.2000	2.0300	0.0872		12.1	6.9	6.5				13.7	6.8	7.5	1.7	0.0100					2	62	40	40	40	
THU	31	52	0.29	2.1600	1.9500	0.1000		12.4	7.1	7.1				14.1	6.8	7.8	1.7	0.0100					2	60	60	40	50	
FRI	1	53	0.00	2.2500	2.1900	0.0738		12.1	7.1	6.1				13.5	6.7	8.7	2.1	0.0100					2	60	50	40	40	
SAT	2	49	0.19	2.1700	2.0400	0.0934																	3	61	50	40	40	
TOTAL			5.39	76.4500	71.5600	3.6554																		2160	1690	1380		
MAXIMUM		53	0.89	2.5200	2.3300	1.0000		13.4	7.7	7.8	220	3523	340	14.8	7.8	9.6	2.8	0.0300	12.0	192.2	6.7	110.1	8	66	60	40	60	
MINIMUM		38	0.00	1.9500	1.7200	0.0529		11.1	6.9	5.6	194	3052	230	12.5	6.5	6.3	1.4	0.0100	4.0	67.7	4.3	72.8	2	57	50	40	10	
AVERAGE		45.48571	0.15	2.1843	2.0859	0.1044		12.2	7.3	6.9	205	3325	256	13.2	6.9	7.8	2.1	0.0148	6.7	107.6	5.5	99.0	3	62	62	48	39	

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

May 2001	
Hhd (mg/l)	78.0
Alk (mg/l)	140.0
D.O. (mg/l)	7.8
Turb. (ntu)	2.1
Tox (TU)	2.0

April 2001	
Copper	14.0 ug/L
Lead	1.0 ug/L
Silver	0.6 ug/L
Zinc	46.0 ug/L
NH	18.0 mg/L

WEEK	WEEKLY AVERAGE			CHLORINE			WEEKLY		
	POD	TSS	CHLORINE	POD	TSS	CHLORINE	POD	TSS	CHLORINE
04-10	4.9	74.8	6.3	96.2	0.0140	48.6	4.3		
11-17	5.2	86.3	6.0	99.6	0.0180	50.0	4.0		
18-24	6.3	100.9	12.0	192.2	0.0160	48.6	2.7		
25-31	6.7	110.1	5.0	82.1	0.0160	48.6	2.5		
MAX	6.7	110.1	12.0	192.2	0.0180	50.0	4.3		

% REMOVAL	
B.O.D.	98
S.S.	97

POWER USAGE IN KILLOWATT-HOURS	
TOTAL	345600