

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  
MENDENHALL VALLEY SERVICE AREA  
JUNEAU, ALASKA 99801  
ATTN: Scott Jeffers WW Utilities Superintendent

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

AK-002295-1  
PERMIT NUMBER

001 A  
DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2005	4	1	2005
YEAR	MO	DAY	YEAR
2005	4	30	2005

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	MINIMUM	QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM			AVERAGE	MAXIMUM				
TEMPERATURE, WATER DEG, CENTIGRADE	MEASUREMENT	*****	*****	****	*****	12.0	14.1	(04)	0	5/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MAX	DEG. C	0	WEEK DAYS	
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	5224	5752	(26)	*****	274	291	(19)	0	1/7	COMP 24
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	LBS/DAY	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L	0	WEEKLY	
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	306.1	*****	(26)	*****	16.1	*****	(19)	0	1/7	COMP 24
SEE COMMENTS BELOW	PERMIT REQUIREMENT	1839 WKLY AVG	*****	LBS/DAY	*****	45 WKLY AVG	*****	MG/L	0	WEEKLY	COMP 24
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	279.7	306.1	(26)	*****	14.7	16.1	(19)	0	1/7	COMP 24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1226 MO AVG	2452 DAILY MAX	LBS/DAY	*****	30 MO AVG	60 DAILY MAX	MG/L	0	WEEKLY	COMP 24
PH	SAMPLE MEASUREMENT	*****	*****	****	6.5	*****	6.8	(12)	0	5/7	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	6.5 MIN	*****	8.5 MAXIMUM	SU	0	WEEK DAYS	
ALKALINITY, BICARBONATE as CaCO3	SAMPLE MEASUREMENT	*****	*****	****	*****	127.0	127.0	(19)	0	1/30	GRAB
00425 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L	0	ONCE/MONTH	COMP 24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3879	4624	(26)	*****	203.5	240.0	(19)	0	1/7	COMP 24
SOLIDS, TOTAL SUSPENDED	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	LBS/DAY	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L	0	WEEKLY	COMP 24
00530 G 0 0	RAW SEW/INFLUENT	*****	*****	****	*****	*****	*****	MG/L	0	WEEKLY	COMP 24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Scott Jeffers  
Utilities Superintendent

COMMENT AND EXPLANATION OF ANY VIOLATIONS

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Reference all attachments here)

907 AREA CODE 586-0393 TELEPHONE

2005 YEAR 5 MO 6 DAY

Concerning violations please see attached. The reporting period was from 04/03/2005 through 04/30/2005.

EPA Form 3320-1 (03-99) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED).

00434/981209 1904 PAGE 1 OF 4

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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:** Scott Jeffers WW Utilities Superintendent

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

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PERMIT NUMBER

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DISCHARGE NUMBER

MONITORING PERIOD			
YR	MO	DAY	TO
2005	4	1	2005
			2005

PARAMETER	MEASUREMENT	QUANTITY OR LOADING			UNITS	MINIMUM	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM				AVERAGE	MAXIMUM					
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	351.8	*****		(26)	*****	17.8	*****	(19)	0	1/7	COMP 24	
00530 G 0 0	PERMIT REQUIREMENT	1839	*****			*****	45	*****			WEEKLY	COMP 24	
SEE COMMENTS BELOW	WEEKLY AVG	264.7	*****		(26)	*****	13.8	*****	(19)	0	1/7	COMP 24	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	264.7	351.8		(26)	*****	13.8	17.8	(19)	0	1/7	COMP 24	
00630 G 0 0	PERMIT REQUIREMENT	1226	2452			*****	30	60			WEEKLY	COMP 24	
EFFLUENT GROSS VALUE	MO AVG	366.0	366.0		(26)	*****	19.0	19.0	(19)	0	1/30	COMP 24	
NITROGEN AMMONIA TOTAL (as N)	PERMIT REQUIREMENT	1079	1622			*****	26.4	39.7			ONCE/MONTH	COMP 24	
00610 1 0 0	MO AVG	0.020	0.020		(26)	*****	1.03	1.03	(28)	1	1/30	COMP 24	
SILVER	SAMPLE MEASUREMENT	0.020	0.020		(26)	*****	1.03	1.03	(28)	1	1/30	COMP 24	
01079 1 0 0	PERMIT REQUIREMENT	0.036	0.072			*****	87	1.75			ONCE/MONTH	COMP 24	
EFFLUENT GROSS VALUE	MO AVG	0.72	0.72		(26)	*****	37.4	37.4	(28)	0	1/30	COMP 24	
ZINC	SAMPLE MEASUREMENT	0.72	0.72		(26)	*****	71.4	149.0			ONCE/MONTH	COMP 24	
01094 1 0 0	PERMIT REQUIREMENT	2.92	6.09			*****	0.9	0.9			ONCE/MONTH	COMP 24	
EFFLUENT GROSS VALUE	MO AVG	0.017	0.017		(26)	*****	0.9	0.9	(28)	0	1/30	COMP 24	
LEAD	SAMPLE MEASUREMENT	0.017	0.017		(26)	*****	5.5	11.0			ONCE/MONTH	COMP 24	
01114 1 0 0	PERMIT REQUIREMENT	0.225	0.450			*****	15.70	15.7	(28)	1	1/30	COMP 24	
EFFLUENT GROSS VALUE	MO AVG	0.303	0.303		(26)	*****	8.36	20.1			ONCE/MONTH	COMP 24	
COPPER	SAMPLE MEASUREMENT	0.303	0.303		(26)	*****	15.70	15.7	(28)	1	1/30	COMP 24	
01119 1 0 0	PERMIT REQUIREMENT	0.342	0.858			*****	15.70	15.7			ONCE/MONTH	COMP 24	
EFFLUENT GROSS VALUE	MO AVG	0.303	0.303		(26)	*****	15.70	15.7	(28)	1	1/30	COMP 24	

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

907  
AREA CODE  
586-0393  
TELEPHONE  
2005  
YEAR  
5  
MO  
6  
DAY

(Reference all attachments here)

\* Concerning violations please see attached. The reporting period was from 04/03/2005 through 04/30/2005.

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**ATT:** Scott Jeffers WW Utilities Superintendent

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MONITORING PERIOD  
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2005 4 1 2005 4 30

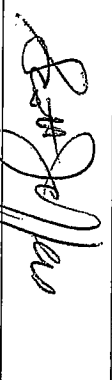
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	AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM			

FECAL COLIFORM MF, M-FC BROTH 44.5C 31616 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	****	400 WKLY GEO	*****	*****	#/100ML	(13)	1	3/7	GRAB
FECAL COLIFORM MF, M-FC BROTH 44.5C 31616 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	****	200 MO GEO	*****	*****	#/100ML	(13)	8	3/7	GRAB
EFFLUENT GROSS VALUE THROUGH TREATMENT PLANT 50050 P 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	2.27	2.81	(03)	*****	*****	****	*****	*****	*****	****	(23)	0	7/7	CONTINUOUSLY RECORDED
EFFLUENT DILUTION RATIO 78480 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	****	*****	*****	*****	****	(23)	0	7/7	CALCULATED
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	****	*****	*****	*****	****	(23)	0	1/30	CALCULATED
PERCENT REMOVAL SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	****	*****	*****	*****	****	(23)	0	1/30	CALCULATED
PERCENT REMOVAL TURBIDITY, LAB NTU 82079 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	****	*****	*****	*****	****	(43)	0	5/7	GRAB

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		AVERAGE	MAXIMUM		MINIMUM	AVERAGE	MAXIMUM				
HARDNESS as CaCO3	MEASUREMENT	*****	*****	****	*****	*****	*****	(19)	0	1/30	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	MG/L	0	ONCE/MONTH	
DISSOLVED OXYGEN	SAMPLE MEASUREMENT	*****	*****	****	0.9	1.9	4.3	(19)	0	1/90	
00300 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORTING MINIMUM	REPORTING MO/AVG	REPORTING DAILY MAX	MG/L	0	ONCE/QUARTER	
TOXICITY, CERIODAPHNIA CHRONIC	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	10.0	(73)	1/182	
61406 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	MAXIMUM	TUC	TWICE/YEAR	
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	*****			
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	*****			
	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	*****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**Scott Jeffers**  
Wastewater Utilities Superintendent

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
\* Concerning violations-please see attached. The reporting period was from 04/03/2005 through 04/30/2005.  
(Reference all attachments here)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  


TELEPHONE 907 586-0393  
PHONE NUMBER 586-0393  
DATE  
2005 YEAR 5 MO 6 DAY



MENDENHALL WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

EPA REPORT

April 2005

DAY	DATE	TEMP °F		RAIN INCHES		INFLUENT MGD		WASTE MGD		TEMP °C		PH		D.O. mg/L		TURBID NTU		S.S. mg/L		S.S. LBS		B.O.D. mg/L		B.O.D. LBS		FECAL COLIFORM /100 ml		MISC	
		RAINFALL	WASTE	INFLUENT	EFFLUENT	WASTE	TEMP	PH	D.O.	TURBID	S.S.	S.S.	B.O.D.	B.O.D.	FECAL	POWER													
SUN	3	37	0.15	2.41	1965	2.41	527.7	1	0.0893																				
MON	4	37	0.04	2.29	1910	2.29	539.8	1	0.0775	11.1	7.2	5.5	10.5	6.8	1.7	9.8													
TUE	5	43	0.02	2.31	1954	2.31	547.4	1	0.0796	10.7	7.0	5.9	11.6	6.5	1.6	9.1	14.4	277.4	15.0	289.0									
WED	6	40	0.00	2.25	1954	2.25	562.0	1	0.0642	12.0	7.1	4.1	10.5	6.8	2.1	11.5													
THU	7	38	0.00	2.23	1833	2.23	532.0	1	0.0878	10.8	7.0	6.4	10.9	6.5	1.4	13.4													
FRI	8	37	0.00	2.22	1811	2.22	528.0	1	0.0881	10.8	7.0	5.3	11.2	6.5	0.9	13.3													
SAT	9	42	0.20	2.21	1965	2.21	575.4	1	0.0876																				
SUN	10	42	0.08	2.33	1999	2.33	555.2	1	0.0800																				
MON	11	40	0.07	2.24	1999	2.24	577.5	1	0.0690	11.7	6.9	5.7	11.9	6.5	1.9	11.5													
TUE	12	42	0.80	2.18	1965	2.18	583.3	1	0.0700	10.6	6.8	6.1	11.6	6.5	1.9	11.5													
WED	13	42	0.07	2.18	1954	2.18	580.0	1	0.0788	11.5	6.8	5.0	11.8	6.5	1.2	9.8													
THU	14	40	0.02	2.22	1965	2.22	572.8	1	0.0716	10.8	6.8	6.3	11.1	6.6	1.5	11.1													
FRI	15	39	0.00	2.09	1972	2.09	610.5	1	0.0835	11.2	6.8	5.6	11.6	6.5	1.7	14.3													
SAT	16	42	0.00	2.21	1988	2.21	582.1	1	0.0914																				
SUN	17	44	0.00	2.22	1977	2.22	576.3	1	0.0814																				
MON	18	39	0.68	2.22	1966	2.22	573.1	1	0.0728	11.4	7.2	4.9	11.9	6.6	1.9	11.8													
TUE	19	44	1.07	2.37	2444	2.37	667.2	1	0.0721	12.2	6.8	5.3	11.9	6.6	1.3	11.1	17.8	351.8	14.9	294.5	1340								
WED	20	47	0.18	2.26	3053	2.26	873.7	1	0.0688	11.3	7.1	5.5	11.8	6.5	2.6	11.2													
THU	21	49	0.26	2.34	3855	2.34	1065.2	1	0.0733	11.2	6.6	5.4	11.8	6.5	2.6	11.2													
FRI	22	46	0.00	2.30	4088	2.30	1149.2	1	0.0726	11.6	6.9	5.5	12.2	6.5	2.0	8.8													
SAT	23	50	0.00	2.34	3797	2.34	1049.2	1	0.0711				13.1	6.5	2.1	9.0													
SUN	24	51	0.00	2.31	3898	2.31	1091.1	1	0.0647																				
MON	25	52	0.00	2.81	4118	2.81	947.7	1	0.0560	13.0	7.3	4.8	14.1	6.7	2.9	11.0													
TUE	26	51	0.00	2.28	4207	2.28	1193.0	1	0.0661	12.4	7.1	6.9	13.3	6.5	2.2	11.5													
WED	27	55	0.00	2.22	4162	2.22	1212.1	1	0.0730	12.7	7.2	4.0	12.7	6.8	1.5	11.0													
THU	28	53	0.00	2.20	4493	2.20	1320.3	1	0.0741	12.6	7.0	4.9	13.6	6.6	2.2	12.9													
FRI	29	54	0.00	2.17	5055	2.17	1505.9	1	0.0879	13.2	7.3	4.0	12.4	6.5	1.6	12.8													
SAT	30	55	0.00	2.24	4881	2.24	1408.6	1	0.0788																				
TOTAL		284	63.65	2.84	63.65	2.84	63.65	2.1311																					
MAXIMUM		55	1.07	2.81	5055	2.81	1505.9	1	0.0914	13.2	7.3	6.9	14.1	6.8	4.3	14.3	17.8	351.8	16.1	306.1	1340								
MINIMUM		37	0.00	2.09	1811	2.09	527.7	1	0.0560	10.6	6.6	4.0	10.5	6.5	0.9	8.8													
AVERAGE		44.7	0.10	2.27	2829.6	2.27	803.8	1	0.0761	11.6	7.0	5.4	203.5	273.8	3879.4	273.8	5224.0	12.0	6.6	1.9	11.2	13.8	264.7	14.7	279.7	260.7			

COMMENTS:  
\* GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES  
\* INFLUENT FLOW WAS USED TO CALCULATE EFFLUENT FLOW, EFFLUENT FLOW METER IS 0.5.

April 2005	Alk. mg/l	19.0
April 2005	D.O. mg/l	1.9
April 2005	Turb. NTU	14.3
April 2005	Tox. TUC n/a	

April 2005	Copper	15.70	0.303
April 2005	Lead	0.88	0.017
April 2005	Silver	1.03	0.020
April 2005	Zinc	37.40	0.721
April 2005	NH3 mg/L	19.00	366.04

WEEKLY	WEEKLY AVERAGE	WEEK	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs
1	15.0	289.0	14.4	277.4	15.0	289.0	14.4	277.4	15.0	289.0	14.4	277.4
2	12.6	229.1	11.6	210.9	12.6	229.1	11.6	210.9	12.6	229.1	11.6	210.9
3	14.9	294.5	17.8	351.8	14.9	294.5	17.8	351.8	14.9	294.5	17.8	351.8
4	16.1	306.1	14.7	279.7	16.1	306.1	14.7	279.7	16.1	306.1	14.7	279.7
AVG	14.7	279.7	13.8	264.7	14.7	279.7	13.8	264.7	14.7	279.7	13.8	264.7
MAX	16.1	306.1	17.8	351.8	16.1	306.1	17.8	351.8	16.1	306.1	17.8	351.8

TOTAL	433600
POWER USAGE IN KWH	433600

% REMOVAL	B.O.D.	95
% REMOVAL	S.S.	93