

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

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

MAJOR
(SUB 01)
F - FINAL
EFFLUENT

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

*** NO DISCHARGE [] ***

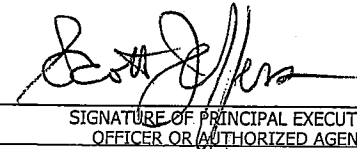
NOTE: Read instructions before completing this form.

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

AK-002295-1
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD						
YR	MO	DAY	TO	YEAR	MO	DAY
2005	12	1		2005	12	31

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
TEMPERATURE, WATER DEG, CENTIGRADE 00010 1 0 0		*****	*****	****	*****	11.3	12.1	(04)	0	5/7		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MAX	DEG. C		WEEK DAYS	GRAB	
BOD, 5-DAY (20 DEG. C) 00310 G 0 0		4303.6	5893.7	(26)	*****	216.0	302.0	(19)	0	1/7		
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	LBS/DAY	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L		WEEKLY	COMP 24	
BOD, 5-DAY (20 DEG. C) 00310 W 0 0		405.9	*****	(26)	*****	21.7	*****	(19)	0	1/7		
SEE COMMENTS BELOW	PERMIT REQUIREMENT	1839 WKLY AVG	*****	LBS/DAY	*****	45 WKLY AVG	*****	MG/L		WEEKLY	COMP 24	
BOD, 5-DAY (20 DEG. C) 00310 1 0 0		347.6	405.9	(26)	*****	17.6	21.7	(19)	0	1/7		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1226 MO AVG	2452 DAILY MAX	LBS/DAY	*****	30 MO AVG	60 DAILY MAX	MG/L		WEEKLY	COMP 24	
pH 00400 1 0 0		*****	*****	****	6.5	*****	6.7	(12)	0	5/7		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.5 MIN.	*****	8.5 MAXIMUM	SU		WEEK DAYS	GRAB	
ALKALINITY, BICARBONATE as CaCO3 00425 1 0 0		*****	*****	****	*****	145.0	145.0	(19)	0	1/30		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L		ONCE/MONTH	COMP 24	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0		3054.8	3844.6	(26)	*****	153.8	197.0	(19)	0	1/7		
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	LBS/DAY	*****	REPORT MO AVG	REPORT DAILY MAX	MG/L		WEEKLY	COMP 24	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Scott Jeffers Wastewater Utilities Superintendent	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				TELEPHONE			
TYPED OR PRINTED									907 AREA CODE		586-0393	
COMMENT AND EXPLANATION OF ANY VIOLATIONS									DATE			
									2006 YEAR		1 MO	06 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
* Concerning violations-please see attached. The reporting period was from 12/04/2005 through 12/31/2005.

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

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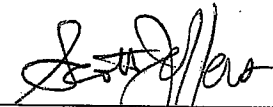
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PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	1839 WKLY AVG	*****	(26) LBS/DAY	*****	19.0 WKLY AVG	*****	(19) MG/L	0	1/7 WEEKLY	COMP 24
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1226 MO AVG	2452 DAILY MAX	(26) LBS/DAY	*****	14.9 MO AVG	19.0 DAILY MAX	(19) MG/L	0	1/7 WEEKLY	COMP 24
NITROGEN AMMONIA TOTAL (as N) 00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1079 MO AVG	1622 DAILY MAX	(26) LBS/DAY	*****	15.0 MO AVG	15.0 DAILY MAX	(19) MG/L	0	1/30 ONCE/MONTH	COMP 24
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	0.036 MO AVG	0.072 DAILY MAX	(26) LBS/DAY	*****	0.36 MO AVG	0.36 DAILY MAX	(28) ug/L	0	1/30 ONCE/MONTH	COMP 24
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	2.92 MO AVG	6.09 DAILY MAX	(26) LBS/DAY	*****	36.9 MO AVG	36.9 DAILY MAX	(28) ug/L	0	1/30 ONCE/MONTH	COMP 24
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.225 MO AVG	0.450 DAILY MAX	(26) LBS/DAY	*****	1.9 MO AVG	1.9 DAILY MAX	(28) ug/L	0	1/30 ONCE/MONTH	COMP 24
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.342 MO AVG	0.858 DAILY MAX	(26) LBS/DAY	*****	69.50 MO AVG	69.5 DAILY MAX	(28) ug/L	4	1/30 ONCE/MONTH	COMP 24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Scott Jeffers
Wastewater Utilities Superintendent

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TELEPHONE
907 AREA CODE 586-0393
PHONE NUMBER
DATE
2006 YEAR 1 MO 06 DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FECAL COLIFORM MF, M-FC BROTH 44.5C 31616 W 0 0 SEE COMMENTS BELOW		*****	*****	****	*****	5.2	*****	(13)	0	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	400 WKLY GEO	*****	#/100ML		THREE TIMES/WEEK	
FECAL COLIFORM MF, M-FC BROTH 44.5C 31616 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	4.5	14.0	(13)	0	3/7	GRAB
	PERMIT REQUIREMENT	*****	*****	****	*****	200 MO GEO	400 DAILY GEO	#/100ML		THREE TIMES/WEEK	
FLOW IN CONDUIT OR THROUGH TREATMENT PLANT 50050 P 0 0 SEE COMMENTS BELOW		2.4271	3.3300	(03)	*****	*****	*****	****	0	7/7	
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MAX	MGD	*****	*****	*****	****		CONTINUOUSLY	RECORDED
EFFLUENT DILUTION RATIO 78480 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	609.5	*****	*****	(23)	0	7/7	
	PERMIT REQUIREMENT	*****	*****	****	10 MINIMUM	*****	*****	PERCENT		DAILY	CALCULATED
BOD, 5-DAY PERCENT REMOVAL 81010 K 0 0 PERCENT REMOVAL		*****	*****	****	91.9	*****	*****	(23)	0	1/30	
	PERMIT REQUIREMENT	*****	*****	****	85 MIN % REMOVAL	*****	*****	PERCENT		ONCE/MONTH	CALCULATED
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL		*****	*****	****	90.3	*****	*****	(23)	0	1/30	
	PERMIT REQUIREMENT	*****	*****	****	85 MIN % REMOVAL	*****	*****	PERCENT		ONCE/MONTH	CALCULATED
TURBIDITY, LAB NTU 82079 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	8.5	10.2	(43)	0	5/7	
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MAX	NTU		WEEK DAYS	GRAB

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907
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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HARDNESS as CaCO3 82394 1 0 0 EFFLUENT GROSS VALUE	*****	*****	****	*****	79.0	79.0	(19)	0	1/30	GRAB	
DISSOLVED OXYGEN 00300 EFFLUENT GROSS VALUE	*****	*****	****	3.7	5.6	9.0	(19)	0	1/90		
TOXICITY, CERIODAPHNIA CHRONIC 61406 EFFLUENT GROSS VALUE	*****	*****	****	*****	*****	N/A	(73)	0	1/182		
	*****	*****	****	*****	*****	*****					
	*****	*****	****	*****	*****	*****					
	*****	*****	****	*****	*****	*****					
	*****	*****	****	*****	*****	*****					
	*****	*****	****	*****	*****	*****					
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CITY/BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

Date: 01-04-2006
Re: Permit communication
Permit: AK-002295-1

David Domingo
Environmental Protection Agency
NPDES Compliance Unit, OCE-133.
1200 Sixth Avenue
Seattle, WA. 98101

CERTIFIED MAIL # 7003 2260 0007 2179 9290

Mr. Domingo,

This letter is to follow up on the message I left on the EPA region 10 non-compliance hotline (206-553-1846) today regarding four violations of the Mendenhall WWTP (MWWTIP) on 12-07-2005.

The results for the monthly effluent metals testing on the above mentioned date for copper (Cu) concentration was 69.5 ug/l which exceeded the NPDES monthly avg. limit of 8.36 ug/l and the NPDES daily max. limit of 20.1 mg/l. The copper (Cu) lbs/day was 1.328 which exceeded the NPDES daily max. of 0.858 lbs/day and the monthly avg. of 0.342 lbs/day.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION 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. SE 18 USC 1001 AND 22 USC 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 5 MONTHS AND SIX YEARS)

If you have any question or concerns please call me at (907) 586-0393

Sincerely



Cort Franklin
Mendenhall & Anke Bay W/W Treatment Plants Sr. Operator

Cc: Shawn Stokes, ADEC
Joe Buck , Public Works Director, CBJ
Scott Jeffers, WW Superintendent, CBJ
File

DMR

MENDENHALL WASTEWATER TREATMENT FACILITY

Juneau, Alaska

December 2005

EPA REPORT

DAY	DATE	WEATHER		FLOWS					INFLUENT								EFFLUENT								MISC
		TEMP °F	RAIN FALL INCHES	SBR INFLUENT MGD	Mend. River CFS	SBR TTL EFFL MGD	Receiving Water Dilution	SBR WASTE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	TEMP °C	pH	D.O. mg/L	TURBID. MAX NTU	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml	
SUN	4	19	0.00	2.26	2550	2.26	729.9 /1	0.0497																	83
MON	5	18	0.00	2.17	2420	2.27	689.7 /1	0.0534	11.4	7.2	6.6				11.5	6.6	4.3	9.4							82
TUE	6	29	0.20	2.15	2290	2.29	647.0 /1	0.0621	10.6	6.8	7.7	132	2521	172	3285	11.3	6.7	5.2	9.1	13.8	263.6	15.2	290.3	8	83
WED	7	37	0.54	2.24	2110	2.24	609.5 /1	0.0563	10.3	7.0	6.7					11.5	6.5	3.8	9.7					6	83
THU	8	39	1.80	2.95	3050	2.95	668.9 /1	0.0785	10.5	6.7	6.5					11.4	6.6	7.8	7.7					2	85
FRI	9	40	0.44	2.79	3090	2.79	716.5 /1	0.0568	11.4	7.0	7.3					11.8	6.5	5.2	7.6						81
SAT	10	39	0.02	2.64	3070	2.64	752.2 /1	0.0379																	80
SUN	11	40	1.04	2.86	2960	2.86	669.6 /1	0.0575																	84
MON	12	38	0.41	3.33	3910	3.33	759.5 /1	0.0593	11.0	6.7	5.0					10.8	6.5	7.3	6.8						87
TUE	13	35	0.00	2.76	3460	2.76	810.8 /1	0.0553	10.5	6.7	8.0	124	2854	181	4166	10.5	6.5	5.9	6.6	10.8	248.6	12.7	292.3	2	87
WED	14	36	0.31	2.50	3130	2.50	809.8 /1	0.0566	10.6	6.5	8.3					10.8	6.6	7.6	7.8					14	86
THU	15	41	0.29	2.77	3230	2.77	754.3 /1	0.0630	10.5	6.6	8.6					11.2	6.5	6.1	7.1					4	87
FRI	16	40	0.00	2.46	3050	2.46	801.9 /1	0.0584	11.5	6.7	7.4					11.5	6.5	3.9	6.2						81
SAT	17	34	0.00	2.50	3070	2.50	794.3 /1	0.0554																	80
SUN	18	30	0.00	2.43	2650	2.43	705.5 /1	0.0453																	82
MON	19	26	0.00	2.37	2580	2.37	704.2 /1	0.0501	10.7	6.9	8.1					11.1	6.5	4.7	8.1						82
TUE	20	32	0.31	2.34	2420	2.34	669.1 /1	0.0616	11.2	6.9	7.5	197	3845	302	5894	10.9	6.7	6.9	8.9	16.0	312.2	20.8	405.9	4	87
WED	21	44	0.36	2.42	2680	2.42	716.4 /1	0.0799	10.8	6.7	7.0					11.6	6.5	3.7	9.4					6	85
THU	22	42	0.04	2.43	2690	2.43	716.1 /1	0.0609	9.2	6.6	7.1					11.2	6.5	5.9	8.3					6	87
FRI	23	40	0.27	2.33	2720	2.23	788.9 /1	0.0633	10.0	6.8	7.6					11.9	6.5	5.5	9.0						86
SAT	24	39	0.08	2.35	2740	2.35	754.2 /1	0.0639																	80
SUN	25	37	0.17	2.21	2740	2.21	801.9 /1	0.0536																	80
MON	26	33	0.03	2.36	2680	2.26	767.1 /1	0.0614	10.7	6.7	7.0					11.1	6.6	4.4	9.4						81
TUE	27	35	0.17	2.22	2650	2.22	772.1 /1	0.0635	10.2	6.8	7.3	162	2999	209	3870	10.7	6.5	5.1	9.4	19.0	351.8	21.7	401.8	2	85
WED	28	40	0.03	2.34	2820	2.34	779.5 /1	0.0701	10.4	6.8	8.0					11.5	6.5	4.7	9.7					10	86
THU	29	40	0.03	2.24	2700	2.06	847.7 /1	0.0621	10.7	6.7	7.9					11.5	6.6	9.0	9.6					2	83
FRI	30	41	0.01	2.23	2120	1.85	741.3 /1	0.0613	11.3	6.9	7.3					12.1	6.5	4.2	10.2						81
SAT	31	34	0.00	2.21	2250	1.83	795.3 /1	0.0654																	83
TOTAL			6.55	68.86	77830	67.96	20773.3 /1	1.6626																	2337
MAXIMUM		44	1.80	3.33	3910	3.33	847.7 /1	0.0799	11.5	7.2	8.6	197	3845	302	5894	12.1	6.7	9.0	10.2	19.0	351.8	21.7	405.9	14	87
MINIMUM		18	0.00	2.15	2110	1.83	609.5 /1	0.0379	9.2	6.5	5.0	124	2521	172	3285	10.5	6.5	3.7	6.2	10.8	248.6	12.7	290.3	2	80
AVERAGE		36	0.23	2.46	2780	2.43		0.0594	10.7	6.8	7.3	154	3055	216	4304	11.3	6.5	5.6	8.5	14.9	294.0	17.6	347.6	4	83

COMMENTS:

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

December 2005	
Hrd. mg/l	79.0
Alk. mg/l	145.0
D.O. mg/l	5.6
Turb. NTU	10.2

Tox. TUc	N/A
----------	-----

December 2005		
	ug/L	LBS
Copper	69.50	1.328
Lead	1.92	0.037
Silver	0.36	0.007
Zinc	36.90	0.705
NH3 mg/L	15.00	286.48

WEEK	WEEKLY AVERAGE				WEEKLY COLIFORM Geom. Mean
	BOD mg/l	BOD lbs	TSS mg/l	TSS lbs	
1	15.2	290.3	13.8	263.6	4.6
2	12.7	292.3	10.8	248.6	4.8
3	20.8	405.9	16.0	312.2	5.2
4	21.7	401.8	19.0	351.8	3.4
AVG	17.6	347.6	14.9	294.0	4.5
MAX	21.7	405.9	19.0	351.8	5.2

% REMOVAL	
B.O.D.	92
S.S.	90

POWER USAGE IN KILOWATT-HOURS	
TOTAL	373920

83.46