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

NAME:

ADDRESS:

JUNEAU, CITY AND BOROUGH OF

MENDENHALL TREATMENT PLANT

155 SOUTH SEWARD, JUNEAU, ALASKA 99801

FACILITY: MENDENHALL VALLEY SERVICE AREA

LOCATION: JUNEAU, ALASKA 99801

ATT: Tom Trego WW Utilities Superintendent MAJOR (SUB 01) F - FINAL **EFFLUENT** 

\*\*\* NO DISCHARGE NOTE: Read instruction

AK-002295-1 PERMIT NUMBER

FROM

		MONI	TORING P
YR	MO	DAY	
2011	5	1	TO

ATTi	Tom riego www oum	les superintendent		T NOT	2011	J	1				
PARAMETER		QUANTITY OR	LOADING		QUA	QUALITY OR CONCENTRATION					
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Turbidity	SAMPLE MEASUREMENT	*****	*****	***	*****	9.9	18.3	(43)			
00070 1 0	PERMIT					Req. Mon.	Req. Mon.				
Effluent Gross	REQUIREMENT	*****	*****	****	*****	MO AVG	DAILY MX	NTU			
Oxygen, dissolved (DO)	SAMPLE MEASUREMENT	*****	*****	***	3.2	4.9	*****	(19)			
00300 1 0	PERMIT				Req. Mon.	Req. Mon.		19			
Effluent Gross	REQUIREMENT	*****	*****	****	DAILY MN	MO AVG	*****	mg/L			
BOD, 5-Day, 20 deg. C	SAMPLE MEASUREMENT	247.8	360.6	(26)	*****	16.5	23	(19)			
00310 1 0	PERMIT	1226	2452			30	60	19			
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	mg/L			
BOD, 5-Day, 20 deg. C	SAMPLE MEASUREMENT	247.8	*****	(26)	*****	16.5	*****	(19)			
00310 W 0	PERMIT	1829				45		19			
See Comments	REQUIREMENT	WKLY AVG	*****	lb/d	*****	WKLY AVG	*****	mg/L			
рН	SAMPLE MEASUREMENT	*****	*****	***	6.0	*****	7.1	(12)			
00400 1 0	PERMIT				6.5		9.0	12			
Effluent Gross	REQUIREMENT	*****	*****	****	INST MIN	*****	INST MAX	SU			
Alkalinity, total (asCaCo3)	SAMPLE MEASUREMENT	*****	*****	***	*****	160.0	160.0	(19)			
00410 1 7	PERMIT					Reg. Mon.	Reg. Mon.	19			
Effluent Gross	REQUIREMENT	*****	*****	****	*****	MO AVG	DAILY MX	mg/L			
Solids, total suspended	SAMPLE MEASUREMENT	342	377	(26)	*****	23.0	26.0	(19)			
00530 1 0	PERMIT	1226	2452			30	60	19			
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	mg/L			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Tom Trego  Wastewater Utilities Superintendent	to assure that the qualific submitted. Based on my or those persons directly submitted is, to the best	ction or supervision in a ed personnel properly gainquiry of the person or responsible for gatherin of my knowledge and be	and all attachments wer ecordance with the system ather and evaluate the infor persons who manage the s ing the information, the info- elief, true, accurate, and co r submitting false informat	rmation system ormation omplete	nathan	TURE OF PRINCIP	Comb				
TYPED OR PRINTED	including the possibility		nt for knowing violation:		OFF	ICER OR AUTHOR	RIZED AGENT				
COMMENT AND EVEL ANIATTON OF ANIV	VITOL ATTONIC										

TYPED OR PRINTED including the possibility of fine and imprisonment for knowing violations COMMENT AND EXPLANATION OF ANY VIOLATIONS

\* The reporting period was from 5/1/2011 through 5/28/2011.

EPA Form 3320-1 (03-99) Previous editions may be used.

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED).

00434/981

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

NAME:

ATT:

ADDRESS:

JUNEAU, CITY AND BOROUGH OF

MENDENHALL TREATMENT PLANT

155 SOUTH SEWARD, JUNEAU, ALASKA 99801

FACILITY: MENDENHALL VALLEY SERVICE AREA

JUNEAU, ALASKA 99801 LOCATION:

Tom Trego WW Utilities Superintendent

MAJOR (SUB 01) F - FINAL EFFLUENT
\*\*\* NO DISCHARGE

**NOTE: Read instruction** 

AK-002295-1 PERMIT NUMBER

FROM

MONITORING P YR MO DAY 2011

AII:	Tom Trego WW Othic	les superintendent		FROM	2011		1		
PARAMETER		QUANTITY OR L	LOADING		QUALITY OR CONCENTRATION				
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	
Solids, total suspended	SAMPLE MEASUREMENT	377.3	(26)	*****	26.0	*****	(19)		
00530 W 0	PERMIT	1829				45		19	
See Comments	REQUIREMENT	WKLY AVG	*****	lb/d	*****	WKLY AVG	*****	mg/L	
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	296.9	296.9	(26)	*****	20.0	20.0	(19)	
00610 1 0	PERMIT	1164	1963			28.5	48	19	
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	mg/L	
Hardness, total (as CaCO3)	SAMPLE MEASUREMENT	*****	*****	***	*****	100	100	(19)	
00900 1 6	PERMIT					Reg. Mon.	Reg. Mon.	19	
Effluent Gross	REQUIREMENT	*****	*****	****	*****	MO AVG	DAILY MX	mg/L	
Silver, total recoverable	SAMPLE MEASUREMENT	0.000	0.000	(26)	*****	0.000	0.000	(28)	
01079 1 0	PERMIT	Req. Mon.	Req. Mon.			Reg. Mon.	Reg. Mon.	28	
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	ug/L	
Zinc, total recoverable	SAMPLE	0.508	0.508	(26)		34.0	34.0	(28)	
	MEASUREMENT				*****				
01094 1 0	PERMIT	Req. Mon.	Req. Mon.			Req. Mon.	Req. Mon.	28	
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	ug/L	
Lead, total recoverable	SAMPLE MEASUREMENT	0.000	0.000	(26)	*****	0.000	0.000	(28)	
01114 1 0	PERMIT	Req. Mon.	Req. Mon.			Req. Mon.	Req. Mon.	28	
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	ug/L	
Copper, total recoverable	SAMPLE MEASUREMENT	0.267	0.267	(26)	*****	18.0	18.0	(28)	
01119 1 0	PERMIT	3.54	7.63			86.7	187	28	
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	ug/L	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Tom Trego  Wastewater Utilities Superintendent  TYPED OR PRINTED	prepared under my direct to assure that the qualified submitted. Based on my it or those persons directly is submitted is, to the best of	ction or supervision in ac ed personnel properly ga inquiry of the person or responsible for gatherin, of my knowledge and be esignificant penalties for	and all attachments were coordance with the system- ather and evaluate the infor- r persons who manage the s- ng the information, the info- elief, true, accurate, and cot or submitting false informati- ent for knowing violations	designed rmation system, ormation omplete.	SIGNA	ATURE OF PRINCIP.	PAL EXECUTIVE		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

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JUNEAU, CITY AND BOROUGH OF

MENDENHALL TREATMENT PLANT

155 SOUTH SEWARD, JUNEAU, ALASKA 99801

FACILITY: MENDENHALL VALLEY SERVICE AREA

LOCATION: JUNEAU, ALASKA 99801

ATT: Tom Trego WW Utilities Superintendent

MAJOR (SUB 01) F - FINAL EFFLUENT \*\*\* NO DISCHARGE

NOTE: Read instruction

AK-002295-1 PERMIT NUMBER

FROM

 MONITORING P

 YR
 MO
 DAY

 2011
 5
 1
 TO

AIII	Tom Trege Trit Cane	res supermeendene		1		-	-	_	
PARAMETER		QUANTITY OR I	OADING	QUALITY OR CONCENTRATION					
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	
Coliform, fecal - % sample exceeds	SAMPLE						0	(23)	
imit	MEASUREMENT	*****	*****		*****	*****			
30500 O 0	PERMIT						10		
See Comments	REQUIREMENT	*****	*****		*****	*****	DAILY MX	%	
Fecal coliform, MPN, EC med, 44.5 C	SAMPLE					N/A	N/A	(13)	
	MEASUREMENT	*****	*****	****	*****				
31615 O 0	PERMIT					161	Req. Mon.	13	
See Comments	REQUIREMENT	*****	*****	****	*****	MO GEO	DAILY MX	#/100ml	
Fecal coliform, MPN, EC med, 44.5 C	SAMPLE				N/A	N/A	N/A	(13)	
	MEASUREMENT	*****	*****	****			1		
31615 P 0	PERMIT				400	200	800		
See Comments	REQUIREMENT	*****	*****	****	WKLY GEO	MO GEO	DAILY MX	#/100m	
Fecal coliform, MPN, EC med, 44.5 C	SAMPLE				N/A	N/A	N/A	(13)	
	MEASUREMENT	*****	*****						
31615 Q 0	PERMIT				400	200	800		
See Comments	REQUIREMENT	*****	*****		WKLY GEO	MO GEO	DAILY MX	#/100ml	
Fecal coliform, MPN, EC med, 44.5 C	SAMPLE				4.5	3.1	10	(13)	
	MEASUREMENT	*****	*****	****				1	
31615 R 0	PERMIT				800	400	1200		
See Comments	REQUIREMENT	*****	*****	****	WKLY GEO	MO GEO	DAILY MX	#/100ml	
Floating solids or visible foam-visual	SAMPLE						0		
	MEASUREMENT	*****	*****		*****	*****			
45613 1 0	PERMIT						Reg. Mon.		
Effluent Gross	REQUIREMENT	*****	*****		*****	*****	DAILY MX	Y=1; N=	
Flow, in conuit or thru treatment plant	SAMPLE	1.8	1.9	(03)					
- And the second of the second	MEASUREMENT			15. 400	*****	*****	*****	****	
50050 1 0	PERMIT	Reg. Mon.	4.9	3					
Effluent Gross	REQUIREMENT	MO AVG	DAILY MX	Mgal/d	*****	*****	*****	****	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of			2.10					
Tom Trego Wastewater Utilities Superintendent	to assure that the qualifies submitted. Based on my is or those persons directly submitted is, to the best of the submitted is the	d personnel properly ga inquiry of the person or responsible for gatherir of my knowledge and be	ecordance with the system ather and evaluate the info persons who manage the fig the information, the infelief, true, accurate, and co r submitting false informa	rmation system formation formplets	natta	TURE OF PRINCI		-	
TYPED OR PRINTED	including the possibility			uon,		FICER OR AUTHO			

TYPED OR PRINTED including the possibility of fine and imprisonment for knowing violation:

COMMENT AND EXPLANATION OF ANY VIOLATIONS

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JUNEAU, CITY AND BOROUGH OF

MENDENHALL TREATMENT PLANT

155 SOUTH SEWARD, JUNEAU, ALASKA 99801

MENDENHALL VALLEY SERVICE AREA FACILITY:

LOCATION: JUNEAU, ALASKA 99801

Tem Trees M/M/ Litilities Constintendent

MAJOR (SUB 01) F - FINAL EFFLUENT
\*\*\* NO DISCHARGE

NOTE: Read instruction

AK-002295-1 PERMIT NUMBER

MONITORING P MO DAY 2011

ATT:	Tom Trego WW Utiliti	ies Superintendent		FROM	2011	5	1	то	
PARAMETER		QUANTITY OR	LOADING		QUAL	LITY OR CONCENT	FRATION		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	
Chlorine, total residual	SAMPLE MEASUREMENT	N/A	N/A	(26)	*****	N/A	N/A	(28)	
50060 S 0	PERMIT	4.09	4.09			100	100		
See Comments	REQUIREMENT	MO AVG	DAILY MX	lb/d	*****	MO AVG	DAILY MX	ug/l	
Dilution factor	SAMPLE	*****	*****	****	0.6	0.7	*****	ug/L	
00000 4.0	MEASUREMENT	******	*****	7.7.7	Dee Mee	2 M	*****		
80093 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	****	Req. Mon. DAILY MN	Req. Mon. MO AVG	*****	1U	
BOD,5-day, percent removal	SAMPLE				96.6			(23)	
90 - 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	MEASUREMENT	*****	*****	****		*****	*****		
81010 K 0	PERMIT				85			23	
Percent Removal	REQUIREMENT	EMENT ***** *****		****	MN % RMV	*****	*****	%	
Solids, suspended percent removal	SAMPLE			201011 87	90.3			(23)	
	MEASUREMENT	*****	*****	****		*****	*****		
81011 K 0 0	PERMIT				85			23	
Percent Removal	REQUIREMENT	*****	*****	****	MN % RMV	*****	*****	%	
Chlorine usage	SAMPLE	N/A		(26)					
	MEASUREMENT		*****		*****	*****	*****		
81400 X 0	PERMIT	Req. Mon.							
End of Chlorine Contact Chamber	REQUIREMENT	MO AVG	*****	lb/d	*****	*****	*****		
Oil and grease visual	SAMPLE						0	(93)	
	MEASUREMENT	*****	*****	****	*****	*****			
84066 1 0	PERMIT						Req. Mon.		
Effluent Gross	REQUIREMENT	*****	*****	****	*****	*****	DAILY MX	occur/mo	
Toxicity, Chronic	SAMPLE						0	(2G)	
	MEASUREMENT	*****	*****	****	*****	*****		3 00	
TT000 1 8	PERMIT						Req. Mon.		
Effluent Gross	REQUIREMENT	*****	*****	***	*****	*****	DAILY MX	ox chronic	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Scott Jeffers Wastewater Utilities Superintendent  TYPED OR PRINTED	to assure that the qualified submitted. Based on my is or those persons directly is submitted is, to the best of	etion or supervision in a depersonnel properly ga- inquiry of the person or responsible for gatherin of my knowledge and bu- significant penalties for	accordance with the system tather and evaluate the infor r persons who manage the s ing the information, the info pelief, true, accurate, and co or submitting false information	rmation system ormation omplets	SIGNA	TURE OF PRINCIP	PAL EXECUTIVE	_	
COMMENT AND EVEL ANATTON OF ANY			The state of the s		VII	ACEIT OIL FIGURE	Manhala / No bal II		

COMMENT AND EXPLANATION OF ANY VIOLATIONS

<sup>\*</sup> The reporting period was from 5/1/2011 through 5/28/2011.

#### MENDENHALL WASTEWATER TREATMENT FACILITY

EPA REPORT

Juneau, Alaska

LION	_		P-1 2-30-30		_						15000	au, Ala	3KG						and the same	
			FLOWS	5							NT								ENT	
DATE	SBR INFLUENT MGD	Mend. River CFS	SBR TTL EFFL MGD	Receiving Water Dilution	1	SBR WASTE MGD	TEMP °C	рН	D.O mg/L	S.S. mg/L	S.S.	B.O.D mg/L	B.O.D.	TEMP °C	рН	D.O mg/L	MAX NTU	S.S. mg/L	S.S.	B.O.D.
1	2.10	114	1.72	0.661	/1	0.0273											8.4			
2	1.87	205	1.78	0.655	/1	0.0868	14.3	7.5	6.8					16.3	6.9	6.0	7.1			
3	2.04	221	1.78	0.654	./1	0.0915	12.5	7.2	7.1					13.3	6.7	4.5	8.2			
4	2.03	244	1.88	0.654	/1	0.0562	13.9	7.2	6.8	272	4605	535	9058	13.2	6.7	4.6	7.6	20	314	23
5	1.89		1.74		/1	0.0434	12.0	7.5	7.8					13.1	6.8	5.1	7.5			
6	2.06	262	1.79	0.653	/1	0.0976	13.2	7.6	7.1					12.0	6.7	4.3	11.9			
7	2.12	272	1.78	0.653	/1	0.0414											14.3			
8	2.02	149	1.77	0.658	/1	0.0587											14.2			
9	2.21	273	1.87	0.653	/1	0.1655	12.0	8.2	8.2					14.6	7.1	6.6				
10	2.27	241	1.89	0.654	/1	0.0106	12.0	7.4	7.3					13.3	6.9	6.6	18.3			
11	2.16	218	1.74	0.654	/1	0.0698	11.1	7.3	7.9	225	4053	447	8052	13.8	6.0	7.0	13.6	26	377	13
12	2.28	231	1.82	0.654	/1	0.0854	12.7	7.3	4.5					13.9	6.8	3.5	7.5			
13	2.12		1.80		/1	0.0713	13.5	7.4	6.4					14.2	6.8	3.2	9.1			
14	2.11	332	1.78	0.651	/1	0.1033											11.2			
15	2.04	311	1.72	0.652	/1	0.0276											16.9			
16	2.16	311	1.86	0.652	/1	0.0929	12.5	7.6	6.0					15.5	6.9	5.3	11.2			
17	2.15	353	1.78	0.651	/1	0.1297	12.9	7.2	6.5					14.9	6.7	4.1	9.9			
18	2.19		1.80		/1	0.0605	14.6	7.2	6.3	201	3671	419	7653	21.2	7.0	6.0	7.8	22	330	13
19	2.16	616	1.71	0.649	/1	0.1730	15.0	7.2	6.8					15.1	6.7	4.4	8.7			
20	2.25	466	1.76	0.650	/1	0.1720	14.1	7.3	7.0					14.8	6.7	4.4	8.5			
21	2.07	627	1.68	0.649	/1	0.2719											6.8			
22	2.14	610	1.79	0.649	/1	0.0564											8.4			
		580	1.79	0.649	/1	0.0993	14.7	7.4	6.3					15.3	6.7	5.3	7.8			
24	1.98	592	1.73	0.649	/1	0.1007	15.7	7.6	6.8					15.1	6.8	4.4	5.8			
25	2.02	731	1.76	0.648	/1	0.0915	14.6	7.2	6.6					14.0	6.7	4.2	10.2			
-		958	1.84	0.648	/1	0.0496	13.8	7.1	7.6					15.3	6.8	4.3	8.9			
	10010000	1260	1.74	0.647	/1	0.0984	13.4	7.4	5.6	252	4245	540	9097	14.4	7.0	3.7	8.4	24	348	17
		1260	1.76	0.647	/1	0.1085											9.2			
TAL	58.60		49.86			2.5408														
	2.28	1260	1.89	0.7	/1	0.2719	15.7	8.2		272	4605	540	9097	21.2	7.1	7.0	18.3	26.0	377.3	23.0
	1.87	114	1.68	0.6	/1	0.0106	11.1	7.1		201	3671	419	7653	12.0	6.0	3.2	5.8	20.0	313.6	13.0
	2.09	457	1.78	0.7	/1	0.0907	13.4	7.4		237.5	4143.7	485.3	8465.1	14.7	6.8	4.9	9.9	23.0	342.4	16.5
	28	25	28	25		28	20	20	20	4	4	4	4	20	20	20	27	4	4	4
	DATE  1 2 3 3 4 4 5 5 6 6 7 7 8 8 9 100 111 122 133 144 15 15 15 15 15 15 15 15 15 15 15 15 15	DATE INFLUENT MGD  1 2.10 2 1.87 3 2.04 4 2.03 5 1.89 6 2.06 7 2.12 8 2.02 9 2.21 10 2.27 11 2.16 12 2.28 13 2.12 14 2.11 15 2.04 16 2.16 17 2.15 18 2.19 19 2.16 20 2.25 21 2.07 22 2.14 23 2.14 24 1.98 25 2.02 26 1.97 27 2.02 28 2.03 TAL 58.60 IMUM 2.28 MUM 1.87 RAGE 2.09	SBR	SBR	SBR	SBR   Mend.   SBR   Water   TIL EFFL   Water   Dilution	SBR	SBR   Mend.   SBR   Water   WASTE   TEMP   MGD   CFS   MGD   MGD	SBR   Mend.   SBR   TTL EFFL   Water   MGD   OFS   DIlution   DILUTION   MGD   OFS   TTL EFFL   MGD   MGD   OFS   TTL EFFL   MGD   OFS   OFS	SBR	SBR	SBR	SBR	SSR	SBR	Ser	Page	DATE   NFLUENT   River   TLEFFL   Water   WASTE   TEMP   PH   MOD   CC   MIGO   MIGO   CC   MIGO   C	DATE   NFLUENT   SUBJECT   SUBJECT	No.   No.

COMMENTS:

<sup>\*</sup> GEOMETRIC MEAN WAS USTHE AVERAGE FECAL COLIFORM COLONIES

May 2	011
Hrd. mg/l	100
Alk. mg/l	160
D.O.mg/l	4.9
Turb.NTU	18.3

Tox. TUc 0.0

-	-	7								
June 2011										
	ug/L	LBS								
Copper	18.0	0.27								
Lead	0.0	0.00								
Silver	0.0	0.00								
Zinc	34.0	0.51								
NH3 mg/L	20.0	297								

20	20	41	-4	-4	-4			
	WEEKLY AVERAGE							
WEEK	В	OD	T	SS	COLIFORM			
	mg/l	lbs	mg/l	lbs	Geo. Mean			
1	23	361	20	314	4.5			
2	13	189	26	377	3.5			
3	13	195	22	330	2.8			
4	17	247	24	348	2.0			
5								
AVG	17	248	23	342	3.1			
MAY	23	381	26	377	4.5			