

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

MINOR
(SUBR 01)
F - FINAL

PERMITTEE NAME/ADDRESS JUNEAU, CITY AND BOROUGH OF 155 SOUTH SEWARD JUNEAU, ALASKA 99801	AK0021407 PERMIT NUMBER
FACILITY: JUNEAU, ALASKA WUKE BAY TREATMENT FACILITY	MONITORING PERIOD FROM 2001 YR 06 MO 01 DAY TO 2001 YR 06 MO 01 DAY
LOCATION: JUNEAU, ALASKA	DISCHARGE NUMBER 001 A

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	MINIMUM	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM			AVERAGE	MAXIMUM	REPORT DAILY AVG				
TEMPERATURE, WATER DEG, CENTIGRADE	SAMPLE MEASUREMENT	*****	*****		*****	14.9	16.2	(04)	0	5/7	GRAB	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	9	9	DEG. C	0	DAILY	GRAB	
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	4.7	4.7	(26)	*****					1/MO		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25	50	LBS/DAY	*****	30	60	MG/L	0	ONCE/MONTH	COMP 24	
pH	SAMPLE MEASUREMENT	*****	*****		6.0	*****	7.2	(12)	0	5/7		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MIN.	*****	9.0 MAXIMUM	SU	0	DAILY	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	7.7	7.7	(26)	*****	14	14	(19)	0	1/MO		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	25	50	LBS/DAY	*****	30	60	MG/L	0	ONCE/MONTH	COMP 24	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	0.00	0.00	(25)	0	1/MO		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY AVG	REPORT DAILY MAX	M/L	0	DAILY	GRAB	
COLIFORM, FECAL MF, M-FC BROTH, 44, 5C	SAMPLE MEASUREMENT	*****	*****		*****	2	2	(13)	0	1/MO		
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	200	400	# / 100 ML	0	ONCE/MONTH	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.066	*****	(03)	*****	30 DAY GEO.	7 DAY GEO.		0	7/7	CONT.	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MGD	*****	*****	*****	*****		DAILY		

I CERTIFY UNDER PENALTY OF LAW THAT 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.)

NAME/TITLE PRINCIPAL EXEC. OFFICER
 Ernie Mueller Public Works Director

TELEPHONE 907 789 9919 DATE 2001 07 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)

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

MINOR
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PERMITTEE NAME/ADDRESS JUNEAU, CITY AND BOROUGH OF 155 SOUTH SEWARD JUNEAU, ALASKA 99801 FACILITY: AUKE BAY TREATMENT FACILITY LOCATION: JUNEAU, ALASKA	AK0021407 PERMIT NUMBER MONITORING PERIOD YEAR: 2001 MONTH: 06 DAY: 01 FROM: 2001 TO: 2001 DISCHARGE NUMBER 001 A YEAR: 2001 MONTH: 06 DAY: 30 MAJOR (SUBR 01)
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PARAMETER	SAMPLE MEASUREMENT	QUANTITY OF LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
CHLORINE, TOTAL RESIDUAL	MEASUREMENT	*****	*****		1.6	3.00	(19)	0	7/7	
60060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	REPORT DAILY AVE	REPORT DAILY MAX	MG/L			DAILY GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
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	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

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NAME/TITLE: PRINCIPAL EXEC. OFFICER Ernie Mueller, Public Works Director	TELEPHONE: 907 789 9919
	DATE: 2001 07 08

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)
 CONCERNING VIOLATIONS PLEASE SEE ATTACHED.

EPA REPORT

LUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska

June 2001

DAY	DATE	WEATHER		FLOWS		INFLUENT						EFFLUENT						MISCELLANEOUS						
		TEMP °F	RAIN FALL INCHES	INFLUENT MGD	WASTE SLUDGE 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	S.S. MG/L	S.S. LBS	B.O.D. MG/L	B.O.D. LBS	FECAL COLIFORM /100 ML	CL ₂ RESIDUAL MG/L	CL ₂ USED LBS	EFFLUENT SETTLABLE SOLIDS	
SUN	3	48	0.36	0.05399	0.00150	14.4	8.6	5.8	93	47	130	13.9	6.6	1.9	14	7	9	4	2	1.80	1.99	6.70	0.00	
MON	4	51	0.02	0.06652	0.00150	14.4	8.6	5.8	93	47	130	13.7	6.2	2.0	14	7	9	4	2	0.97	0.97	6.70	0.00	
TUE	5	52	0.10	0.06801	0.00200	13.8	7.6	4.8	93	47	130	13.8	6.6	1.9	14	7	9	4	2	2.09	1.31	6.70	0.00	
WED	6	54	0.00	0.06012	0.00200	11.5	7.2	5.2	93	47	130	14.5	6.8	1.9	14	7	9	4	2	1.31	1.31	6.70	0.00	
THU	7	53	0.00	0.06041	0.00200	14.6	7.3	4.8	93	47	130	14.4	6.5	2.6	14	7	9	4	2	1.50	1.50	6.70	0.00	
FRI	8	54	0.00	0.06144	0.00200	14.4	7.2	5.2	93	47	130	15.0	6.7	2.2	14	7	9	4	2	0.90	0.90	6.70	0.00	
SAT	9	57	0.04	0.06280	0.00000							14.2	6.0	2.0	14	7	9	4	2	0.80	0.80	6.70	0.00	
SUN	10	48	0.07	0.07159	0.00000	12.2	7.5	5.6	93	47	130	14.5	7.2	2.4	14	7	9	4	2	1.35	1.35	6.70	0.00	
MON	11	50	0.03	0.05160	0.00300	13.3	6.8	6.2	93	47	130	14.6	6.0	2.0	14	7	9	4	2	0.40	0.50	6.70	0.00	
TUE	12	52	0.00	0.05761	0.00300	13.8	7.9	4.8	93	47	130	14.6	6.2	2.5	14	7	9	4	2	0.20	0.20	6.70	0.00	
WED	13	48	0.11	0.07452	0.00150	14.0	6.8	5.3	93	47	130	15.3	6.8	2.3	14	7	9	4	2	2.06	2.06	6.70	0.00	
THU	14	48	0.11	0.05678	0.00150	14.0	6.8	5.3	93	47	130	15.2	6.5	2.2	14	7	9	4	2	1.53	1.53	6.70	0.00	
FRI	15	54	0.16	0.06966	0.00000	14.2	6.7	5.8	93	47	130	15.4	6.1	2.6	14	7	9	4	2	1.84	1.84	6.70	0.00	
SAT	16	57	0.00	0.06957	0.00300							15.1	6.1	2.7	14	7	9	4	2	1.76	1.76	6.70	0.00	
SUN	17	57	0.00	0.06300	0.00100							15.1	6.1	2.7	14	7	9	4	2	1.93	1.93	6.70	0.00	
MON	18	58	0.00	0.06998	0.00200	15.7	7.1	4.7	93	47	130	15.3	6.8	2.4	14	7	9	4	2	2.00	2.00	6.70	0.00	
TUE	19	56	0.02	0.06287	0.00200	14.8	7.3	4.4	93	47	130	15.2	6.5	2.2	14	7	9	4	2	1.59	1.59	6.70	0.00	
WED	20	57	0.13	0.06773	0.00200	15.3	7.3	4.8	93	47	130	15.4	6.8	2.3	14	7	9	4	2	1.84	1.84	6.70	0.00	
THU	21	55	0.01	0.06729	0.00100	14.9	7.5	4.2	93	47	130	15.4	6.1	2.6	14	7	9	4	2	1.76	1.76	6.70	0.00	
FRI	22	55	0.17	0.09013	0.00100	14.4	7.1	5.8	93	47	130	15.1	6.1	2.7	14	7	9	4	2	1.93	1.93	6.70	0.00	
SAT	23	54	0.10	0.04753	0.00000							15.1	6.1	2.7	14	7	9	4	2	1.93	1.93	6.70	0.00	
SUN	24	54	0.00	0.06441	0.00000							16.2	6.9	1.9	14	7	9	4	2	2.80	2.80	6.70	0.00	
MON	25	55	0.00	0.06880	0.00150	16.8	7.7	5.4	93	47	130	15.5	7.0	2.1	14	7	9	4	2	2.02	2.02	6.70	0.00	
TUE	26	57	0.00	0.06420	0.00150	16.2	7.3	4.8	93	47	130	15.6	6.6	2.4	14	7	9	4	2	1.72	1.72	6.70	0.00	
WED	27	62	0.00	0.06781	0.00300	14.8	7.7	4.3	93	47	130	15.9	7.2	2.1	14	7	9	4	2	1.67	1.67	6.70	0.00	
THU	28	58	0.11	0.07005	0.00150	18.4	7.6	4.0	93	47	130	16.2	6.9	2.0	14	7	9	4	2	1.58	1.58	6.70	0.00	
FRI	29	56	0.00	0.08190	0.00100	15.5	7.4	3.8	93	47	130	16.2	6.9	2.0	14	7	9	4	2	1.85	1.85	6.70	0.00	
SAT	30	60	0.00	0.06569	0.00100							16.2	6.9	2.0	14	7	9	4	2	1.60	1.60	6.70	0.00	
SUN																								
MON																								
TUE																								
WED																								
THU																								
FRI																								
SAT																								
TOTAL			1.54	1.84682	0.04150																		187.59	
MAXIMUM		62	0.36	0.09013	0.00300	18.4	8.6	6.2	93	47	130	16.2	7.2	2.7	14	7	9	4	2	3.00	3.00	6.70	0.00	
MINIMUM		48	0.00	0.04753	0.00000	11.5	6.6	3.8	93	47	130	13.7	6.0	1.9	14	7	9	4	2	0.20	0.20	6.70	0.00	
AVERAGE		54.28571	0.06	0.06996	0.00148	14.6	7.4	5.0	93	47	130	14.9	6.8	2.2	14	7	9	4	2	1.56	1.56	6.70	0.00	

COMMENTS:
• GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FE CAL COLIFORM COLONIES

WEEK	WEEKLY AVERAGE				WEEKLY			
	BOD MG/L	BOD LBS	TSS MG/L	TSS LBS	CHLORINE MG/L	CHLORINE LBS	COLIFORM GEO MEAN	COLIFORM
03-09	8.5	4.3	14.0	7.0	1.6243	6.6	2.0	
10-16					1.0214	5.9		
17-23					1.7029	7.2		
24-30					1.8914	7.1		
MAX	8.5	4.26	14	7	1.8914	7		2

% REMOVAL	
B.O.D.	93
S.S.	92