

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska May 2016

		FLOWS		INFLUENT								EFFLUENT								MISCELLANEOUS						
DAY	DATE	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	FOG mg/L	NH3	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	Effluent Entero /100 ml	NH3	FECAL COLIFORM /100 ml	Cl ₂ RESIDUAL mg/L	Cl ₂ USED GAL	Na2SO3 USED LBS	
SUN	1	0.0964	0.0015																					2.00	3.10	
MON	2	0.0604	0.0025	11.8	7.4	7.7							11.5	7.3	5.4								0.03	2.00	3.10	
TUE	3	0.0669	0.0025	11.1	7.6	7.1	140	78	170	95			11.6	7.3	4.5	6	3	7	4	31		2	0.02	2.00	3.41	
WED	4	0.0717	0.0020	12.2	7.6	6.2	300	179	300	179			11.8	7.3	5.1	7	4	11	7				0.03	1.00	3.10	
THU	5	0.0783	0.0025	11.5	7.7	7.1							11.4	7.3	4.7								0.02	2.00	3.10	
FRI	6	0.0789	0.0025	10.1	7.4	7.3							11.5	7.3	4.5								0.02	2.00	3.72	
SAT	7	0.0786	0.0015																					2.00	3.72	
SUN	8	0.0601	0.0015																					2.00	3.72	
MON	9	0.0665	0.0020	12.7	7.9	5.5							11.6	7.3	5.0								0.02	1.00	3.10	
TUE	10	0.0534	0.0025	11.3	7.8	7.2	124	55	130	58			12.3	7.2	4.6	4	2	7	3			2	0.03	2.00	2.79	
WED	11	0.0519	0.0025	13.0	7.7	4.3	487	211	280	121			12.8	7.3	5.6	1	0	9	4				0.21	2.00	3.10	
THU	12	0.0490	0.0025	12.9	7.9	6.1							12.3	7.2	4.4								0.14	2.00	2.48	
	13	0.0604	0.0025	9.8	7.4	7.6							12.3	7.3	5.2								0.05	2.00	3.10	
SAT	14	0.0505	0.0015																					2.00	3.10	
SUN	15	0.0474	0.0020																					2.00	2.48	
MON	16	0.0626	0.0030	12.5	7.5	5.7							12.7	7.3	5.3								0.03	2.00	2.48	
TUE	17	0.0568	0.0025	11.9	7.6	6.1	390	185	360	171			12.6	7.3	4.5	7	3	7	3				0.01	2.00	2.48	
WED	18	0.0515	0.0025	12.3	7.7	6.2	153	66	210	90			13.0	7.3	5.1	5	2	9	4			5	0.08	2.00	2.48	
THU	19	0.0556	0.0025	12.6	7.4	6.0							13.3	7.3	4.8								0.03	2.00	3.10	
FRI	20	0.0482	0.0025	12.9	7.6	5.6							13.3	7.3	4.5								0.01	1.00	1.86	
SAT	21	0.0491	0.0020																					2.00	1.96	
SUN	22	0.0522	0.0020																					2.00	1.86	
MON	23	0.0549	0.0025	14.4	8.4	4.7							13.6	7.4	4.7								0.10	2.00	2.48	
TUE	24	0.0607	0.0020	13.9	8.3	4.7	367	186	520	263			13.6	7.4	5.1	6	3	11	6			15	0.02	2.00	2.48	
WED	25	0.0452	0.0020	14.2	7.8	5.9	287	101	310	117			13.8	7.4	3.8	7	3	14	5				0.09	1.00	2.17	
THU	26	0.0456	0.0045	14.1	7.9	5.5							13.6	7.4	4.8								0.04	2.00	2.17	
FRI	27	0.0513	0.0025	14.0	7.9	5.1							14.2	7.3	7.9								0.08	2.00	2.17	
SAT	28	0.0446	0.0015																					2.00	1.86	
SUN	29	0.0407	0.0015																					2.00	2.17	
MON	30	0.0598	0.0015																					2.00	2.17	
TUE	31	0.0516	0.0020																					1.00	2.17	
TOTAL		1.8008	0.0690																					57.00	83.18	
MAXIMUM		0.0964	0.0045	14.4	8.4	7.7	487	211	520	263			14.2	7.4	7.9	7	4	14	7	31		15	0.21	2.00	3.72	
MINIMUM		0.0407	0.0015	9.8	7.4	4.3	124	55	130	58			11.4	7.2	3.8	1	0	7	3	31		2	0.01	1.00	1.86	
AVERAGE		0.0581	0.0022	12.5		6.1	279	133	285	137			12.6		5.0	5	3	9	4	31		4	0.05	1.84	2.68	
NO. OF ANALYSIS		30	30	20	20	20	8	8	8	8	0	0	20	20	20	8	8	8	8	8	1	0	4	20	30	30

Grey areas not included in Weekly averages!

WEEK	WEEKLY AVERAGE						WEEKLY COLIFORM Geo Mean
	BOD		TSS		CHLORINE		
	mg/l	lbs	mg/l	lbs	mg/l	Gal	
1	9	5	6	4	0.02	2	2
2	8	3	3	1	0.09	2	2
3	8	4	6	3	0.03	2	5
4	13	5	6	3	0.07	2	15
MAX	13	5	6	4	0.09	2	15

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

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: Catherine Carlson
 MAILING ADDRESS: 2009 Radcliffe
 Juneau, AK 99801

FACILITY: Auke Bay WWTF
 LOCATION: 11825 GLACIER HWY
 Juneau, AK 99801

PERMIT NUMBER: AKG572004
 OUTFALL / MONITORING POINT: 001A Discharge into Auke Bay

MONITORING PERIOD: 5/1/2016 TO 5/31/2016

NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		3.8	*****	*****		0		
	Permit reqmt.	*****	*****		2.0 daily minimum	*****	*****	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	4	7		*****	9	14		0		
	Permit reqmt.	40 monthly average	80 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		Monthly	Grab-Composite
Biochemical Oxygen Demand (BOD5) G - Influent 00310	Sample meas.	*****	*****		*****	285	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		Monthly	Grab-Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	5	*****		*****	13	*****		0		
	Permit reqmt.	60 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	Grab-Composite
pH 1 - Final Effluent 00400	Sample meas.	*****	*****		7.2	*****	7.4		0		
	Permit reqmt.	*****	*****		6.0 daily minimum	*****	9.0 daily maximum	S.U.		3X Weekly	Grab
Total Suspended Solids 1 - Final Effluent 00530	Sample meas.	3	4		*****	5	7		0		
	Permit reqmt.	40 monthly average	80 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		Monthly	Grab-Composite
Total Suspended Solids G - Influent 00530	Sample meas.	*****	*****		*****	279	*****		0		
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		Monthly	Grab-Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	4	*****		*****	6	*****		0		
	Permit reqmt.	60 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	Grab-Composite
Flow 1 - Final Effluent 50050	Sample meas.	0.06	0.10		*****	*****	*****		0		
	Permit reqmt.	Report monthly average	0.16 daily maximum	MGD	*****	*****	*****			5X Weekly	Measured
Total Residual Chlorine 1 - Final Effluent 50060	Sample meas.	*****	*****		*****	0.1	0.2		0		
	Permit reqmt.	*****	*****		*****	0.5 monthly average	1.0 daily maximum	mg/l		3X Weekly	Grab
Enterococci 1 - Final Effluent 61211	Sample meas.	*****	*****		*****	*****	31		0		
	Permit reqmt.	*****	*****		*****	*****	Report daily maximum	cts/100 ml		See Permit Requirements	Grab
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	4	15		0		
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Monthly	Grab
BOD5 Minimum % Removal K - Percent Removal 81010	Sample meas.	*****	*****		97	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal K - Percent Removal 81011	Sample meas.	*****	*****		98	*****	*****		0		
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation

COMMENTS:
 W = Average Weekly Effluent Limits;
 For Enterococci Bacteria monitoring requirements see Section 2.4 of the permit

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617
 Attach an explanation of any violations. Reference all attachments below.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that 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 violators.	TELEPHONE	DATE
CATHERINE CARLSON		(907) 586-0393	16/6/18
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y M D