AUKE BAY WASTEWATER TREATMENT FACILITY- JUNEAU, ALASKA

Juneau, Alaska February 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	FOG mg/L	NH3	FECAL COLIFORM /100 ml	Cl_2 RESIDUAL mg/L	Cl_2 USED GAL	Na_2SO_3 USED LBS
SUN	31	0.05948	0.00150																					2.00	2.79
MON	1	0.05731	0.00200	8.6	7.7	7.5							10.1	7.0	4.8								0.02	2.00	2.48
TUE	2	0.06304	0.00250	12.2	8.0	6.4	235.0	123.6	300.0	157.7			10.0	7.1	4.9	5.2	2.7	6.1	3.2			1.0	0.19	2.00	2.48
WED	3	0.05731	0.00200	10.5	7.9	7.1	347.0	165.8	290.0	138.6			10.6	7.1	4.4	6.4	3.1	9.0	4.3				0.03	2.00	2.79
THU	4	0.06258	0.00150	11.3	7.5	6.2							11.0	7.1	4.5								0.19	2.00	2.48
FRI	5	0.05926	0.00250	10.7	7.9	6.8							10.6	7.1	5.3								0.17	2.00	2.79
SAT	6	0.06504	0.00150																					2.00	2.79
SUN	7	0.05794	0.00150																					2.00	3.10
MON	8	0.06420	0.00250	10.5	7.8	6.8							10.8	7.0	4.7								0.02	2.00	2.48
TUE	9	0.05896	0.00250	12.1	7.7	7.1	435.0	213.9	360.0	177.0			11.2	7.0	4.3	4.8	2.4	8.1	4.0			16.0	0.07	1.00	2.79
WED	10	0.06027	0.00250	11.2	7.8	8.0	65.0	32.7	120.0	60.3			11.3	7.0	4.4	5.6	2.8	13.0	6.5				0.03	2.00	2.79
THU	11	0.05756	0.00300	11.3	7.8	7.6							11.2	7.1	5.4								0.04	2.00	2.48
FRI	12	0.06623	0.00250	11.7	7.9	7.1							11.1	7.1	4.4								0.05	2.00	3.72
SAT	13	0.06055	0.00150																					2.00	3.41
SUN	14	0.05126	0.00150																					2.00	3.10
MON	15	0.06576	0.00150	9.3	7.8	7.1							11.0	7.2	5.8								0.09	2.00	2.79
TUE	16	0.05400	0.00300	10.8	7.8	6.8	264.0	118.9	280.0	126.1			11.2	7.2	5.5	1.0	0.5	6.0	2.7			11.0	0.05	2.00	2.79
WED	17	0.05994	0.00250	8.9	7.9	6.6	344.0	172.0	290.0	145.0			11.1	7.2	4.5	5.2	2.6	6.9	3.4				0.13	2.00	2.79
THU	18	0.05550	0.00250	9.5	7.8	6.9							11.2	7.2	4.9								0.03	2.00	2.79
FRI	19	0.05238	0.00200	9.8	7.9	6.6							11.2	7.2	5.6								0.03	1.00	2.79
SAT	20	0.05524	0.00200																					1.00	2.79
SUN	21	0.05897	0.00200																					1.00	2.79
MON	22	0.05657	0.00200	11.8	8.1	6.7							10.2	7.1	5.5								0.04	2.00	3.41
TUE	23	0.06268	0.00200	11.2	8.0	7.0	260.0	135.9	300.0	156.8			10.8	7.1	5.1	5.5	2.9	7.1	3.7			3.0	0.03	2.00	3.10
WED	24	0.06354	0.00250	11.2	8.2	6.7	272.0	144.1	220.0	116.6			11.0	7.1	4.9	5.0	2.6	6.8	3.6				0.15	2.00	2.48
THU	25	0.04935	0.00250	11.0	7.7	7.7							10.9	7.2	5.1								0.04	2.00	2.79
FRI	26	0.05293	0.00250	9.4	8.4	6.8							11.1	7.0	4.6								0.02	2.00	3.72
SAT	27	0.05611	0.00150																					1.00	2.48
SUN	28	0.06460	0.00150																					2.00	2.79
MON	29	0.06617	0.02000	11.4	8.3	6.7							10.9	7.1	3.9								0.02	2.00	3.10
TOTAL		1.71522	0.07950																					53.00	
MAXIMUM		0.06623	0.02000	12.2	8.4	8.0	435.0	213.9	360.0	177.0			11.3	7.2	5.8	6.4	3.1	13.0	6.5			16.0	0.19	2.00	3.72
MINIMUM		0.04935	0.00150	8.6	7.5	6.2	65.0	32.7	120.0	60.3			10.0	7.0	4.3	1.0	0.5	6.0	2.7			1.0	0.02	1.00	2.48
AVERAGE		0.05915	0.00274	10.7		7.0	277.8	138.4	270.0	134.8			10.9		4.9	4.8	2.4	7.9	3.9			4.8	0.07	1.83	2.86
NO.OF ANALYSIS		29	29	21	21	21	8	8	8	8	0	0	21	21	21	8	8	8	8	0	0	4	21	29	29

WEEK	WEEKLY AVERAGE						WEEKLY
	BOD		TSS		CHLORINE		COLIFORM
	mg/l	lbs	mg/l	lbs	mg/l	Gal	Geo. Mean
1	7.6	3.8	5.8	2.9	0.120	2.0	1.0
2	10.6	5.3	5.2	2.6	0.042	1.9	16.0
3	6.5	3.1	3.1	1.5	0.066	1.7	11.0
4	7.0	3.7	5.3	2.8	0.056	1.7	3.0
MAX	10.6	5.3	5.8	2.9	0.120	2.0	16.0

% REMOVAL	
B.O.D.	97.1
S.S.	98.3

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 Discahrge into Auke Bay

MONITORING PERIOD: 2/1/2016 TO 2/29/2016
NO DISCHARGE:

Parameter		Quantity or Loading Average	Quantity or Loading Maximum	Units	Quality or Concentration Minimum	Quality or Concentration Average	Quality or Concentration Maximum	Units	No. Ex.	Frequency of Analysis	Sample Type
Dissolved Oxygen	Sample meas.	******	******		4.3	******	******		0		
1 - Final Effluent 00300	Permit reqmt.	******	******		2.0 daily minimum	******	******	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5)	Sample meas.	3.9	6.5		******	7.9	13.0		0		
1 - Final Effluent 00310	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)	Sample meas.	******	******		******	270.0	******		0		
G - Influent 00310	Permit reqmt.	******	******		******	Report monthly average	******	mg/l		Monthly	Grab-Composite
Biochemical Oxygen Demand (BOD5)	Sample meas.	5.3	******		******	10.55	******		0		
W - See Comments 00310	Permit reqmt.	60 weekly average	******	lbs/day	******	45 weekly average	******	mg/l		Monthly	Grab-Composite
pH	Sample meas.	******	******		7.0	******	7.2		0		
1 - Final Effluent 00400	Permit reqmt.	******	******		6.0 daily minimum	******	9.0 daily maximum	S.U.		3X Weekly	Grab
Total Suspended Solids	Sample meas.	2.4	3.1		******	4.8	6.4		0		
1 - Final Effluent 00530	Permit reqmt.	40 monthly average	80 daily maximum	lbs/day	******	30 monthly average	60 daily maximum	mg/l		Monthly	Grab-Composite
Total Suspended Solids	Sample meas.	******	******		******	277.8	******		0		
G - Influent 00530	Permit reqmt.	******	******		******	Report monthly average	******	mg/l		Monthly	Grab-Composite
Total Suspended Solids	Sample meas.	2.9	******		******	5.8	******		0		
W - See Comments 00530	Permit reqmt.	60 weekly average	******	lbs/day	******	45 weekly average	******	mg/l		Monthly	Grab-Composite
Flow	Sample meas.	0.059	0.066		******	******	******		0		
1 - Final Effluent 50050	Permit reqmt.	Report monthly average	0.16 daily maximum	MGD	******	******	******			5X Weekly	Measured
Total Residual Chlorine	Sample meas.	******	******		******	0.07	0.19		0		
1 - Final Effluent 50060	Permit reqmt.	******	******		******	0.5 monthly average	1.0 daily maximum	mg/l		3X Weekly	Grab
Enterococci	Sample meas.	******	******		******	******	N/A		N/A		
1 - Final Effluent 61211	Permit reqmt.	******	******		******	******	Report daily maximum	cts/100 ml		See Permit Requirements	Grab
Fecal Coliform	Sample meas.	******	******		******	4.8	16.0		0		
1 - Final Effluent 74055	Permit reqmt.	******	******		******	200 monthly geometric mean	800 daily maximum	cts/100 ml		Monthly	Grab
BOD5 Minimum % Removal	Sample meas.	******	******		97.1	******	******		0		
K - Percent Removal 81010	Permit reqmt.	******	******		85 minimum percent removal	******	******	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal	Sample meas.	******	******		98.3	******	******		0		
K - Percent Removal 81011	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			TELEPHONE	DATE
CATHERINE CARLSON	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 violations	Catherine Carlson	(907) 586-0393	6/3/8
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA | NUMBER	Y | M | D