

AUKE BAY WASTEWATER TREATMENT FACILITY- JUNEAU, ALASKA
Juneau, Alaska
APRIL 2016

DAY	INFLUENT										EFFLUENT										MISCELLANEOUS				
	DATE	INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	BOD mg/L	BOD LBS	FOG mg/L	NH3	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	BOD mg/L	BOD LBS	FOG mg/L	NH3	FECAL COLIFORM /100 ml	CHLORINE RESIDUAL mg/L	CHLORINE USED GAL	Na2SO3 USED LBS
FRI	1	0.05312	0.00250																					2.00	3.10
SAT	2	0.06250	0.00150																					2.00	3.10
SUN	3	0.05490	0.00150																					2.00	3.10
MON	4	0.06055	0.00300	12.2	8.20	5.61						11.5	7.3	5.2									0.19	1.00	2.48
TUE	5	0.06050	0.00250	11.1	7.63	7.66	64	220	111			11.6	7.3	4.4	4	2	9	4			11	0.02	2.00	3.10	
WED	6	0.06671	0.00250	10.4	7.62	6.86	125	70	140	78		11.3	7.3	4.5	5	3	8	5				0.03	2.00	3.10	
THU	7	0.05282	0.00250	11.4	8.33	6.73						11.2	7.2	4.2									0.04	1.00	3.41
FRI	8	0.05239	0.00250	9.9	7.63	7.31						12.2	7.3	4.9									0.05	2.00	3.10
SAT	9	0.05409	0.00150																				2.00	2.00	3.10
SUN	10	0.05934	0.00150																				2.00	2.00	2.48
MON	11	0.05923	0.00300	12.2	7.73	6.29						12.8	7.2	4.0									0.03	2.00	3.10
TUE	12	0.05823	0.00250	12.9	7.92	6.39	293	142	260	126		11.5	7.2	5.2	4	2	6	3			5	0.02	2.00	3.10	
WED	13	0.05290	0.00250	11.2	8.42	6.14	200	88	270	119		11.7	7.3	4.4	1	0	8	4				0.02	2.00	2.79	
THU	14	0.05657	0.00250	11.5	8.85	6.96						11.8	7.3	4.6									0.10	1.00	2.79
FRI	15	0.06138	0.00250	12.7	7.25	6.13						12.1	7.2	4.3									0.03	2.00	2.48
SAT	16	0.05860	0.00200																				2.00	2.00	3.41
SUN	17	0.06467	0.00250																				2.00	2.00	2.48
MON	18	0.06694	0.00250	12.4	8.01	6.56						12.0	7.1	4.9									0.04	2.00	3.10
TUE	19	0.07433	0.00200	10.8	7.66	7.08	158	98	160	99		12.3	7.2	5.1	6	4	8	5				0.15	2.00	3.10	
WED	20	0.06156	0.00200	13.2	8.26	6.27	210	108	260	133		11.7	7.2	5.6	5	3	12	6			5	0.04	2.00	3.41	
THU	21	0.05664	0.00200	13.2	7.94	6.98						11.7	7.3	4.9									0.09	2.00	3.10
FRI	22	0.05587	0.00200	11.8	8.04	6.99						11.4	7.2	5.0									0.10	2.00	3.10
SAT	23	0.07177	0.00150																				1.00	2.00	2.48
SUN	24	0.07277	0.00150																					2.00	3.10
MON	25	0.07045	0.00200	13.9	7.66	6.22						11.5	7.2	5.2									0.16	2.00	3.10
TUE	26	0.06319	0.00200	10.5	7.46	7.59	109	57	100	53		12.2	7.2	4.3	4	2	8	4				0.03	2.00	2.79	
WED	27	0.05919	0.00200	11.3	8.03	6.25	253	125	270	133		12.3	7.2	4.2	10	5	22	11			1	0.04	2.00	2.48	
THU	28	0.06010	0.00200	13.3	7.99	5.65						13.2	7.3	4.8									0.03	1.00	2.48
FRI	29	0.06048	0.00250	11.5	7.72	6.99						12.2	7.2	3.9									0.02	2.00	3.41
SAT	30	0.06695	0.00150																				2.00	2.00	2.79
TOTAL		1.65862	0.06450																					55.00	88.66
MAXIMUM		0.09665	0.00300	13.9	8.7	7.7	293.0	142.3	270.0	133.5		13.2	7.3	5.6	10.0	4.9	22.0	10.9			11.0	0.19	2.0	3.4	
MINIMUM		0.05239	0.00150	9.9	7.3	5.6	109.0	57.4	100.0	52.7		11.2	7.1	3.9	1.0	0.4	6.0	2.9			1.0	0.02	1.0	2.5	
AVERAGE		0.06195	0.00215	11.9	8.0	6.6	184.3	94.0	210.0	106.6		11.9	7.3	4.7	4.9	2.6	10.2	5.2			4.1	0.06	1.8	3.0	
NO. OF ANALYSIS		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

% REMOVAL	
B.O.D.	95
S.S.	97

WEEK	BOD			TSS			CHLORINE			WEEKLY AVERAGE		
	mg/l	lbs	Gal	mg/l	lbs	Gal	mg/l	lbs	Gal	mg/l	lbs	Gal
1	9	5	2	4	2	2	0.0660	2	11			
2	7	3	1	3	1	0.0400	2	5				
3	10	6	3	6	3	0.0840	2	5				
4	15	8	4	7	4	0.0560	2	1				
MAX	15	8	4	7	4	0.0840	2	11				

Grey areas not included in weekly averages.

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: 4/1/2016 TO 4/30/2016

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.	*****	*****		3.9	*****	*****				
	Permit reqmt.	*****	*****		2.0 daily minimum	*****	*****	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	5.2	10.9		*****	10.2	22				
	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.	*****	*****		*****	210.0	*****				
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		Monthly	Grab-Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	7.5	*****		*****	15	*****				
	Permit reqmt.	60 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	Grab-Composite
pH 1 - Final Effluent 00400	Sample meas.	*****	*****		7.1	*****	7.3				
	Permit reqmt.	*****	*****		6.0 daily minimum	*****	9.0 daily maximum	S.U.		3X Weekly	Grab
Total Suspended Solids 1 - Final Effluent 00530	Sample meas.	2.6	4.9		*****	4.9	10				
	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.	*****	*****		*****	184.3	*****				
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		Monthly	Grab-Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	3.5	*****		*****	7	*****				
	Permit reqmt.	60 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	Grab-Composite
Flow 1 - Final Effluent 50050	Sample meas.	0.062	0.097		*****	*****	*****				
	Permit reqmt.	Report monthly average	0.16 daily maximum	MGD	*****	*****	*****			5X Weekly	Measured
Total Residual Chlorine 1 - Final Effluent 50060	Sample meas.	*****	*****		*****	0.06	0.19				
	Permit reqmt.	*****	*****		*****	0.5 monthly average	1.0 daily maximum	mg/l		3X Weekly	Grab
Enterococci 1 - Final Effluent 61211	Sample meas.	*****	*****		*****	*****					
	Permit reqmt.	*****	*****		*****	*****	Report daily maximum	cts/100 ml		See Permit Requirements	Grab
Fecal Coliform 1 - Final Effluent 74055	Sample meas.	*****	*****		*****	4.1	11.0				
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 ml		Monthly	Grab
BOD5 Minimum % Removal K - Percent Removal 81010	Sample meas.	*****	*****		95.2	*****	*****				
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal K - Percent Removal 81011	Sample meas.	*****	*****		97.4	*****	*****				
	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 Catherine E. 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.	TELEPHONE 586-0393	DATE 10/5/19
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y M D