

AUKU BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska
May 2012

DAY	FLOWS				INFLUENT				EFFLUENT				MISCELLANEOUS						
	DATE	INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	B.O.D. LBS	TEMP °C	pH	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml	Cl ₂ RESIDUAL mg/L	Cl ₂ USED LBS	Na ₂ SO ₃ USED LBS
SUN	29	0.074	0.000														0.02	1.36	6.03
MON	30	0.060	0.002	12.3	7.5	6.2				12.4	7.2	3.4					0.14	4.02	3.72
TUE	1	0.067	0.003	10.5	7.5	7.7				12.7	7.2	4.3					0.10	2.68	6.20
WED	2	0.067	0.003	11.1	8.3	6.5	152	73		12.5	7.2	3.8	11	5			0.06	2.01	3.72
THU	3	0.063	0.003	10.4	7.2	6.9				12.9	7.2	3.5			3		0.23	2.01	4.96
FRI	4	0.070	0.003	10.6	7.2	5.7				13.1	7.1	3.5					0.02	2.01	2.79
SAT	5	0.060	0.003														0.02	2.68	4.65
SUN	6	0.070	0.001														0.00	4.69	3.41
MON	7	0.063	0.003	11.6	7.4	8.2				12.7	7.0	4.2				0.03	3.35	4.96	
TUE	8	0.068	0.003	12.4	7.6	6.6				12.5	7.0	4.5				0.03	3.35	4.03	
WED	9	0.058	0.003	12.6	7.6	6.5				12.8	6.8	3.9				0.00	4.69	4.34	
THU	10	0.059	0.003	12.1	6.8	5.2	112	55	170	83	12.4	6.9	3.4	5	2	7	0.00	4.69	3.41
FRI	11	0.043	0.003	11.8	6.8	5.2				12.1	6.9	3.4				0.00	5.36	3.42	
SAT	12	0.064	0.003													0.00	3.35	2.48	
SUN	13	0.057	0.003													0.06	2.48	3.41	
MON	14	0.059	0.006	12.1	9.0	6.9				12.8	7.0	4.4				0.29	5.36	3.10	
TUE	15	0.066	0.006	13.5	7.2	6.6				12.7	6.9	4.3				0.02	5.36	5.58	
WED	16	0.068	0.003	12.4	7.9	7.4				12.7	7.3	4.8				0.05	3.35	4.34	
THU	17	0.062	0.005	13.4	8.1	6.4				12.5	7.3	3.8				0.04	2.68	4.34	
FRI	18	0.048	0.000	12.2	6.0	6.5				12.6	7.2	3.5				0.02	3.34	4.34	
SAT	19	0.048	0.001													0.06	4.02	6.20	
SUN	20	0.066	0.000													0.07	4.69	5.27	
MON	21	0.056	0.003	11.6	8.0	5.7				12.7	7.3	3.9				0.06	5.36	4.34	
TUE	22	0.051	0.005	11.6	7.9	6.4				13.3	7.3	3.8				0.08	2.68	3.72	
WED	23	0.055	0.005	12.6	8.3	6.5				13.1	7.4	3.5				0.05	4.02	4.96	
THU	24	0.062	0.000	12.1	8.1	6.6				13.4	7.4	3.6				0.03	6.03	3.72	
FRI	25	0.059	0.0015	12.6	8.0	6.3				13.8	7.3	3.6				0.02	2.01	4.96	
SAT	26	0.062	0.0015													0.02	2.01	1.86	
TOTAL		1.665	0.074															99.64	
MAXIMUM		0.074	0.006	13.5	9.0	8.2	152	73	170	83	13.8	7.4	4.8	11	5	7	0.29	6.03	6.20
MINIMUM		0.038	0.000	10.4	6.8	5.2	112	55	170	83	12.1	6.8	3.4	5	2	7	0.00	1.36	1.86
AVERAGE		0.059	0.003	12.0	7.7	6.5	132	64	170	83	12.8	7.1	3.9	8	4	7	0.05	3.56	4.22
OF ANALYSIS		28	28	20	20	20	2	2	1	1	20	20	20	2	2	1	28	28	28

WEEK	BOD			TSS			CHLORINE			WEEKLY COLIFORM
	mg/l	lbs	lbs	mg/l	lbs	lbs	mg/l	lbs	lbs	
1	7.0	3.4	5.0	11.0	5.2	0.0636	2.4	3.0	3	
2	7.0	3.4	5.0	5.0	2.4	0.0079	4.2	3.8	3	
3						0.0767	3.8		1	
4						0.0443	3.8		1	
WEEKLY AVERAGE										
WEEKLY COLIFORM										
Geoc. Mean										
3.0										

% REMOVAL	
B.O.D.	96
S.S.	94

COMMENTS: UPDATE THE AVERAGE FECAL COLIFORM COLONIES

Permit number: AKG-57-1000-013 Expires: July 20, 2009 Submit this report to: ADC and EPA to the addresses on Part 4 of the NPDES general permit. ADCEC File number: 1513.45.009

Applicant Name: City and Borough of Juneau
 Address: 155 South Seward, Juneau, AK 99801
 Facility: Auke Bay Wastewater Treatment Facility
 Location: Auke Bay, Juneau
 Responsible party: Tom Trego/WW Utilities Superintendent
 Phone / email: (907)586-0393
 Onsite Contact: Nathan McCombs
 Phone: (907)586-0393

Required Reporting Frequency Monthly
 Discharge: Secondary treated wastewater discharged into Auke Bay
 From: 4 2012 To: 5 2012
 Sample Period

Parameter	Min. Value	Average 30 day	7 day Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method
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Discharge 1									
Flow Rate (effluent or influent)	Estmt'd/Measure	N/A	report	N/A	0.16	report	mgd	Daily 5/week	Measured/recorded
Biochemical Oxygen Demand (influent)	Analytical Results	170	report	170	1	report	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (influent)	Analytical Results	N/A	report	report	report	report	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Analytical Results	7	7	7	1	report	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Analytical Results	30	45	60	1	report	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Analytical Results	3	3	3	1	report	lbs/day	1/month	Grab or Composite
Biochemical Oxygen Demand % removal	Analytical Results	N/A	40	60	80.1	report	%	1/month	Calculated
Total Suspended Solids (effluent)	Analytical Results	132	132	132	2	report	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Analytical Results	N/A	report	report	report	report	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Analytical Results	8	8	8	2	report	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Analytical Results	N/A	30	45	60	report	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Analytical Results	4	4	4	2	report	lbs/day	1/month	Grab or Composite
Total Suspended Solids % removal	Analytical Results	94	85%	N/A	N/A	report	%	1/month	Calculated
Fecal Coliform Bacteria (effluent)	Analytical Results	3	3	3	1	report	#/100 ml	1/month	Grab
Fecal Coliform Bacteria (effluent)	Analytical Results	N/A	200	N/A	800	report	#/100 ml	1/month	Grab
Dissolved Oxygen (effluent)	Analytical Results	3.4	2	N/A	20	report	mg/l	1/month	Grab
Dissolved Oxygen (effluent)	Analytical Results	6.8	6	N/A	9	report	Std. Units	3/week	Grab
pH (effluent)	Analytical Results	0.1	0.1	0.3	28	report	mg/l	3/week	Grab
Total Residual Chlorine (effluent)	Analytical Results	N/A	0.5	N/A	1	report	mg/l	3/week	Grab

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.

NAME, TITLE OF PRINCIPAL EXECUTIVE OFFICER
 Nathan McCombs Wastewater Treatment Supervisor
 SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT
 DATE: 6-11-12
 TELEPHONE: 907-583-0393

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE)
 CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD

Permit number: AKG-57-1000-013 Expires: July 20, 2009 Submit this report to: NPDES general permit.

ADDC File number: 1513.45.009
 Applicant Name: City and Borough of Juneau
 Address: 155 South Seward, Juneau, AK 99801
 Facility: Auke Bay Wastewater Treatment Facility
 Location: Auke Bay, Juneau
 Responsible party: Tom Trego/WW Utilities Superintendent
 Phone / email: (907)586-0393
 Onsite Contact: Nathan McCombs
 Phone: (907)586-0393

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay
From: 4	To: 5
2012	2012

Parameter	Min. Value	30 day Average	7 day Average	Max. Value	Number analyses	Number violations	Units	Frequency of Analysis	Sample Method	Fecal Coliform (Edge of MZ)		Fecal Coliform (Shoreline)		Dissolved Oxygen		pH		Total Chlorine (if chlorine is used as disinfectant)		
										Analytical Results	Permit Limits	Analytical Results	Permit Limits	Analytical Results	Permit Limits	Analytical Results	Permit Limits			
	N/A	14	N/A	43	report	report	#/100 ml	Twice per year -	Grab											
					report	report	#/100 ml	Twice per year -	Grab											
					report	report	mg/l	Upon request by ADEC	Grab											
					report	report	mg/l	Upon request by ADEC	Grab											
					report	report	Std. Units	Upon request by ADEC	Grab											
					report	report	mg/l	Twice per year -	Grab											
					report	report	mg/l	Twice per year -	Grab											

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 Nathan McCombs Wastewater Treatment Supervisor
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