

EPA REPORT
 AUKE BAY WASTEWATER TREATMENT FACILITY
 Juneau, Alaska
 November 2010

DAY	FLOWS			INFLUENT			EFFLUENT			MISCELLANEOUS			
	INFLUENT MGD	WASTE MGD	TEMP °C	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	CHLORINE mg/L	RESIDUAL mg/L	CHLORINE mg/L	RESIDUAL mg/L
SUN	0.06750	0.0020	16.9	7.9	6.4	15.2	7.4	3.4	15.8	7.0	5	15.8	7.0
MON	0.06613	0.0025	16.1	7.9	7.1	15.5	7.2	4.3	15.8	7.0	5	15.8	7.0
TUE	0.07264	0.0020	14.7	7.8	5.6	16.2	7.2	4.1	15.8	7.0	5	15.8	7.0
WED	0.08948	0.0020	14.7	7.8	5.6	16.2	7.2	4.1	15.8	7.0	5	15.8	7.0
THU	0.10332	0.0020	15.7	7.7	7.0	14.3	7.3	3.9	15.8	7.0	5	15.8	7.0
FRI	0.06079	0.0020	16.0	7.8	6.7	14.5	7.2	3.8	15.8	7.0	5	15.8	7.0
SAT	0.07010	0.0025											
SUN	0.06864	0.0030											
MON	0.06561	0.0030	15.9	7.7	7.0	14.6	7.3	3.6	15.8	7.0	5	15.8	7.0
TUE	0.07637	0.0030	15.2	7.9	6.6	14.3	7.3	3.9	15.8	7.0	5	15.8	7.0
WED	0.06039	0.0020	14.2	8.0	5.5	15.5	7.3	4.8	15.8	7.0	5	15.8	7.0
THU	0.07869	0.0020	12.7	7.7	6.6	13.2	7.1	3.3	15.8	7.0	5	15.8	7.0
FRI	0.06214	0.0020	12.0	7.8	7.6	13.0	7.1	3.1	15.8	7.0	5	15.8	7.0
SAT	0.07189	0.0030											
SUN	0.07447	0.0030											
MON	0.06916	0.0015	16.0	7.8	7.4	14.1	7.3	4.5	15.8	7.0	5	15.8	7.0
TUE	0.07673	0.0000	16.6	7.9	7.3	14.2	7.5	4.2	15.8	7.0	5	15.8	7.0
WED	0.06854	0.0020	16.6	7.9	7.3	13.6	7.4	4.1	15.8	7.0	5	15.8	7.0
THU	0.06591	0.0020				13.9	7.4	4.6	15.8	7.0	5	15.8	7.0
FRI	0.05545	0.0020	15.0	7.8	6.5				15.8	7.0	5	15.8	7.0
SAT	0.06468	0.0030	18.3	8.2	6.8								
SUN	0.06626	0.0030											
MON	0.06121	0.0035	14.8	8.1	7.2	13.6	7.4	4.2	15.8	7.0	5	15.8	7.0
TUE	0.06427	0.0020	13.9	7.9	7.0	13.4	7.6	4.5	15.8	7.0	5	15.8	7.0
WED	0.06178	0.0020	20.1	8.0	5.7	14.6	7.4	4.0	15.8	7.0	5	15.8	7.0
THU	0.07058	0.0020							15.1	7.0	3.7		
FRI	0.05003	0.0020	18.9	7.4	5.9								
SAT	0.06141	0.0030											
TOTAL	1.92197	0.06400											
MAXIMUM	0.10332	0.00350	20.1	8.2	7.6	15.8	7.5	4.9	15.8	7.0	5	15.8	7.0
MINIMUM	0.05003	0.00000	12.0	7.4	5.5	13.0	7.0	3.1	15.8	7.0	5	15.8	7.0
AVERAGE	0.06864	0.00228	15.8	7.9	6.7	15.8	7.3	4.0	15.8	7.0	5	15.8	7.0
Bar of Analytes	28	28	19	19	19	1	1	1	1	1	1	1	1

GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES

WEEK	FLOW	BOD	TSS	CHLORINE	WEEKLY AVERAGE	WEEKLY COLIFORM
1	0.07557	15.8	11.7	7.0	5.2	5.0
2	0.06893					
3	0.06785					
4	0.06622					
MAX	0.07557	15.8	11.66	7.0	5.2	5.0

% REMOVAL	B.O.D.	S.S.
90.8		
95.5		

Permit number: AKG-57-1000-013 Expires: July 20, 2009 Submit this report to: NPDES general permit. ADEC 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, AK
 Responsible party: Tom Trego/WW Utilities Superintendent
 Phone / email: (907)586-0393
 Onsite Contact: Denny Kay
 Phone: (907)586-0393

Required Reporting Frequency Monthly
 Discharge: Secondary treated wastewater discharged into Auke Bay
 From: 10/31/2010 To: 11/27/2010
 Sample Period

Outfall 001

Parameter	Min. Value	Monthly Average	Weekly Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method	Results	
										Limits	Results
Dissolved Oxygen (effluent)	3.1				18	0	mg/l	1/month	Grab	Limits	2.0
Biochemical Oxygen Demand (influent)		171.3	171.3	171.3	1	0	mg/l	1/month	Grab or Composite	Limits	N/A
Biochemical Oxygen Demand (effluent)		11.7	11.7	11.7	1	0	mg/l	1/month	Grab or Composite	Limits	N/A
Biochemical Oxygen Demand (effluent)		40	60	80.1	1	0	lbs/day	1/month	Grab or Composite	Limits	N/A
Biochemical Oxygen Demand (effluent)		15.8	15.8	15.8	1	0	mg/l	1/month	Grab or Composite	Limits	N/A
pH (effluent)		7	7.6	18	0	0	Std Units	3/week	Grab	Limits	6.0
Total Suspended Solids (effluent)		5.2	5.2	5.2	1	0	mg/l	1/month	Grab or Composite	Limits	N/A
Total Suspended Solids (effluent)		40	60	80.1	1	0	lbs/day	1/month	Grab or Composite	Limits	N/A
Total Suspended Solids (effluent)		7.0	7.0	7.0	1	0	mg/l	1/month	Grab or Composite	Limits	N/A
Total Suspended Solids (effluent)		30	45	60	1	0	mg/l	1/month	Grab or Composite	Limits	N/A
Fecal Coliform Bacteria (effluent)		5.0	5.0	5.0	1	0	#/100 ml	1/month	Grab	Limits	N/A
Flow Rate (effluent or influent)		0.0686	0.0756	0.1033	28	0	mgd	Daily/5week	Measured/recorded	Limits	N/A
Total Residual Chlorine (effluent)		0.04	0.040	0.17	12	0	mg/l	3/week	Grab	Limits	N/A
Biochemical Oxygen Demand % removal		90.8	N/A	1.0	report	report	%	1/month	Calculated	Limits	85%
Total Suspended Solids % removal		95.5	N/A	N/A	report	report	%	1/month	Calculated	Limits	85%

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 PERSONS 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
 Tom Trego WW Superintendent
 SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT
 Nathan D. McCombs
 DATE 12/10/2010
 TELEPHONE (907) 586-0393

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

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 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: Denny Kay
 Phone: (907)586-0393
 Required Reporting Frequency Monthly
 Discharge: Secondary treated wastewater discharged into Auke Bay
 From: 11/4/2007 To: 12/1/2007
 Sample Period

Parameter	Min. Value	30 day Average	7 day Average	Max. Value	Number analyses	Number violations	Units	Frequency of Analysis	Sample Method	Analytical Results	
										Permit Limits	Actual Results
Fecal Coliform (Edge of MZ)	N/A	14	N/A	43	report	report	#/100 ml	Twice per year - 2/year	Grab	Permit Limits	Actual Results
	N/A				report	report				Permit Limits	Actual Results
Fecal Coliform (shoreline)	N/A	NA	N/A	NA	report	report	#/100 ml	Twice per year - 2/year	Grab	Permit Limits	Actual Results
	N/A				report	report				Permit Limits	Actual Results
Dissolved Oxygen	6	N/A	N/A	17	report	report	mg/l	Upon request by ADEC	Grab	Permit Limits	Actual Results
					report	report				Permit Limits	Actual Results
pH	6.5	N/A	N/A	8.5	report	report	Std. Units	Upon request by ADEC	Grab	Permit Limits	Actual Results
					report	report				Permit Limits	Actual Results
Total Chlorine (if chlorine is used as disinfectant)	N/A	N/A	N/A	0.0075	report	report	mg/l	Twice per year - 2/year	Grab	Permit Limits	Actual Results
					report	report				Permit Limits	Actual Results

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