

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau Alaska

January 2011

DAY	DATE	FLOWS			INFLUENT					EFFLUENT					MISCELLANEOUS		
		INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	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	CI RESIDUAL mg/L	CI USED LBS
SUN	28	0.04570	0.00025	9.2	7.5	130	58	14.0	7.1	5.5	4.4	4.4	2.01	0.00	2.01	4.96	
TUE	29	0.03773	0.0045	10.1	7.9	130	58	12.7	7.0	4.4	4.4	4.4	2.01	0.00	2.01	4.96	
WED	29	0.04515	0.0020	11.8	6.8	132	58	11.7	6.9	5.5	5.5	4.4	2.01	0.00	2.01	4.96	
THU	30	0.03982	0.0020					10.3	6.9	4.4	4.4	4.4	2.01	0.00	2.01	4.96	
FRI	31	0.05841	0.0020	12.2	8.1			14.0	6.5	4.5	4.5	4.4	2.01	0.00	2.01	4.96	
SAT	1	0.05841	0.0020														
SUN	2	0.05050	0.0025					13.5	6.9	3.7	4.4	4.4	2.01	0.00	2.01	4.96	
MON	3	0.06550	0.0030	9.0	8.0			13.1	6.9	4.2	4.4	4.4	2.01	0.00	2.01	4.96	
TUE	4	0.07448	0.0025	11.5	7.6			13.1	6.9	4.2	4.4	4.4	2.01	0.00	2.01	4.96	
WED	5	0.06500	0.0020	12.1	6.8			13.1	7.0	4.4	4.4	4.4	2.01	0.00	2.01	4.96	
THU	6	0.05314	0.0020			130	58	13.7	6.9	5.1	4.4	4.4	2.01	0.01	2.01	4.96	
FRI	7	0.04924	0.0020	11.8	7.4												
SAT	8	0.06080	0.0030														
SUN	9	0.06981	0.0025														
MON	10	0.05618	0.0035	13.2	8.2			11.2	7.4	4.4	4.4	4.4	2.01	0.00	2.01	4.96	
TUE	11	0.05965	0.0030					10.7	7.2	3.9	4.4	4.4	2.01	0.19	1.34	5.58	
WED	12	0.06688	0.0020	10.2	7.5			10.2	7.4	5.9	4.5	4.5	2.01	0.00	2.01	4.96	
THU	13	0.06970	0.0020	9.1	8.2			9.9	7.3	4.5	4.5	4.5	2.01	0.00	2.01	4.96	
FRI	14	0.05460	0.0020	9.7	8.6												
SAT	15	0.05884	0.0020														
SUN	16	0.05885	0.0030														
MON	17	0.05484	0.0030														
TUE	18	0.06016	0.0015	11.0	8.0			11.2	7.4	5.2	4.8	4.8	2.01	0.00	2.01	4.96	
WED	19	0.05475	0.0020	10.5	8.6			10.8	7.4	4.5	4.5	4.5	2.01	0.02	2.01	4.96	
THU	20	0.06328	0.0020	11.4	8.5												
FRI	21	0.05985	0.0020	11.7	8.4			11.4	7.3	4.5	4.5	4.5	2.01	0.78	1.34	5.58	
SAT	22	0.07760	0.0030														
SUN	23	0.06654	0.0030														
MON	24	0.06991	0.0020	12.7	7.9			10.2	7.4	4.3	4.3	4.3	2.01	0.00	2.01	4.96	
TUE	25	0.07150	0.0030	10.2	8.1			11.0	7.2	4.5	4.5	4.5	2.01	0.00	2.01	4.96	
WED	26	0.06175	0.0030	10.9	8.2			11.8	6.9	4.7	4.7	4.7	2.01	0.00	2.01	4.96	
THU	27	0.06109	0.0030	11.8	7.7												
FRI	28	0.05182	0.0020	10.3	7.8			11.1	6.5	4.5	4.5	4.5	2.01	0.00	2.01	4.96	
SAT	29	0.05920	0.0025														
TOTAL		2.2225	0.0885	13.2	8.6	130	58	14.0	7.5	5.9	4.0	4.4	4.4	0.26	96.48	2.824	8.68
MAXIMUM		0.08585	0.0045	13.2	9.1	130	58	14.0	7.5	5.9	4.0	4.4	4.4	0.26	96.48	2.824	8.68
MINIMUM		0.03773	0.0015	9.0	7.4	130	58	10.2	6.8	3.7	4.0	4.4	4.4	0.00	1.34	5.58	4.04
AVERAGE		0.05987	0.0025	11.0	8.0	132	58	11.8	7.1	4.6	4.0	4.4	4.4	0.07	2.79	6.24	6.24
Number of days		35	35	21	21	1	1	21	21.0	21.0	1	1	1	14	35	35	35

COMMENTS:
GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES
- SEE ENCLOSED VIOLATION LETTER

WEEK	FLOW	BOD	TSS	CHLORINE	COLIFORM	% REMOVAL
	MGD	mg/L	lbs	mg/L	Gen Mean	BOD
1	0.08645	10.0	4.4	0.00	2.97	82.9
2	0.06281	10.0	6.0	0.01	2.87	88.6
3	0.06332	10.0	6.0	0.01	3.06	89.6
4	0.05187	10.0	4.4	0.01	2.88	89.6
5	0.06388	10.0	6.0	0.01	2.20	89.6
MAX	0.08645	10.0	4.4	0.01	3.06	89.6

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

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: 12/26/2010 To: 1/29/2011
 Sample Period

Outfall 001

Parameter	Min. Value	Monthly Average	Weekly Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Sample Analysis	Sample Method	Results		Limits
										Results	0	
Dissolved Oxygen (effluent)	3.7				1	0	mg/l	1/month	Grab	2.0		N/A
Biochemical Oxygen Demand (influent)		140	140	140	1	0	mg/l	1/month	Grab or Composite			N/A
Biochemical Oxygen Demand (effluent)		4.4	4.4	4.4	1	0	lbs/day	1/month	Grab or Composite			N/A
Biochemical Oxygen Demand (effluent)		10.0	10.0	10.0	1	0	mg/l	1/month	Grab or Composite			N/A
pH (effluent)		6.8			15	0	Std Units	3/week	Grab			
Total Suspended Solids (influent)		130	130	130	1	0	mg/l	1/month	Grab or Composite			N/A
Total Suspended Solids (effluent)		1.8	1.8	1.8	1	0	lbs/day	1/month	Grab or Composite			N/A
Total Suspended Solids (effluent)		4.0	4.0	4.0	1	0	mg/l	1/month	Grab or Composite			N/A
Fecal Coliform Bacteria (effluent)		6	6	6	1	0	#/100 ml	1/month	Grab			N/A
Flow Rate (effluent or influent)		0.0592	0.0646	0.0859	35	0	mgd	Daily 5/week	Measured			N/A
Total Residual Chlorine (effluent)		0.07			15	0	mg/l	3/week	Grab			N/A
Biochemical Oxygen Demand % removal		92.9					%	1/month	Calculated			85%
Total Suspended Solids % removal		98.6					%	1/month	Calculated			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 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
 Tom Trego W.W. Superintendent
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 Nathan D. McCombs
 DATE
 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

Permit number: AKG-57-1000-013	Expires: July 20, 2009	Submit this report	ADEC and EPA to the addresses on Part D 11 of the NPDES general permit.
ADEC File number: 1513.45.009			

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

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay
From: 12/26/2010	To: 1/29/2011

Parameter	Min. Value	Monthly Average	Weekly Average	Max. Value	Number analyses	Number violations	Units	Frequency of Analysis	Sample Method	Fecal Coliform		Bacteria (Edge of MZ)		Bacteria (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	Analytical Results	Permit Limits		
Fecal Coliform	N/A	14	N/A	43	report	report	#/100 ml	Twice per year - 2/year	Grab												
Bacteria (Edge of MZ)	N/A	14	N/A	43	report	report	#/100 ml	Twice per year - 2/year	Grab												
Bacteria (Shoreline)	N/A	NA	N/A	NA	report	report	#/100 ml	Twice per year - 2/year	Grab												
Dissolved Oxygen					report	report	mg/l	Upon request by ADEC	Grab												
pH					report	report	mg/l	Upon request by ADEC	Grab												
Total Chlorine (if chlorine is used as disinfectant)					report	report	Sid. Units	Upon request by ADEC	Grab												
					report	report	mg/l	Twice per year - 2/year	Grab												

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NAME, TITLE OF PRINCIPAL EXECUTIVE OFFICER		Tom Trego WW Superintendent	
SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT		Nathan D. McCombs DATE: 01/29/2011 09:33:45-0900	
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE)		TELEPHONE: (907)586-0393	
CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD			