

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau Alaska

December 2010

DAY	DATE	FLOWS			INFLUENT				EFFLUENT				MISCELLANEOUS							
		INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100 ml	CHL RESIDUAL mg/L	CI USED LBS	NAZS03 USED LBS
SUN	28	0.06826	0.0030	16.0	6.7	206	108	310	13.4	7.4	3.8	4.5	3	13	7	2	0.00	2.68	860	750
MON	29	0.07439	0.0030	17.0	7.0	206	108	310	13.3	7.2	4.5	6	3	13	7	4	0.00	2.68	860	750
TUE	30	0.06826	0.0030	14.9	8.0	206	108	310	12.9	7.2	4.2	6	3	13	7	4	0.00	2.68	860	750
WED	1	0.07695	0.0020	13.7	8.0	206	108	310	12.8	7.2	4.1	6	3	13	7	4	0.00	2.68	860	750
THU	2	0.08154	0.0020	13.7	8.0	206	108	310	12.8	7.2	4.1	6	3	13	7	4	0.00	2.68	860	750
FRI	3	0.03614	0.0000	19.9	6.1	206	108	310	13.4	7.2	4.0	6	3	13	7	4	0.02	3.35	485	485
SAT	4	0.06849	0.0015			206	108	310												
SUN	5	0.07024	0.0030	17.4	7.9	206	108	310	13.5	7.3	4.0	6	3	13	7	2	0.00	0.67	496	496
MON	6	0.05943	0.0040	14.0	8.1	206	108	310	12.7	7.4	4.8	6	3	13	7	2	0.00	2.01	868	868
TUE	7	0.06459	0.0055	20.2	6.1	206	108	310	13.7	7.2	4.5	6	3	13	7	2	0.05	4.02	868	868
WED	8	0.06552	0.0020	20.2	6.1	206	108	310	13.7	7.2	4.5	6	3	13	7	2	0.05	4.02	868	868
THU	9	0.07565	0.0020			206	108	310												
FRI	10	0.05109	0.0020	19.8	7.8	206	108	310	13.2	7.2	4.2	6	3	13	7	2	0.05	2.01	403	403
SAT	11	0.06091	0.0020			206	108	310												
SUN	12	0.06574	0.0020			206	108	310												
MON	13	0.06314	0.0030	13.3	801.0	206	108	310	12.0	7.3	4.5	6	3	13	7	2	0.00	4.02	496	496
TUE	14	0.07950	0.0030	15.0	8.2	206	108	310	12.7	7.4	4.4	6	3	13	7	2	0.00	2.01	868	868
WED	15	0.06395	0.0020	15.0	8.2	206	108	310	12.7	7.4	4.4	6	3	13	7	2	0.01	2.68	744	744
THU	16	0.06395	0.0020	12.0	7.4	206	108	310	11.9	7.4	4.6	6	3	13	7	2	0.01	4.02	558	558
FRI	17	0.05155	0.0020			206	108	310												
SAT	18	0.05270	0.0030			206	108	310												
SUN	19	0.06186	0.0030			206	108	310												
MON	20	0.04592	0.0030	9.5	8.0	206	108	310	11.9	7.2	4.9	6	3	13	7	2	0.00	4.02	744	744
TUE	21	0.04856	0.0025	7.8	7.9	206	108	310	10.8	7.5	5.5	6	3	13	7	2	0.00	2.68	496	496
WED	22	0.04149	0.0030	10.4	8.1	206	108	310	10.7	7.5	4.8	6	3	13	7	2	0.14	2.68	744	744
THU	23	0.05715	0.0010			206	108	310												
FRI	24	0.03917	0.0020	10.6	8.0	206	108	310	10.4	7.4	5.7	6	3	13	7	2	0.14	3.35	558	558
SAT	25	0.04040	0.0030			206	108	310												
NO OF ANALYSES		28	28	16	16	1	1	1	16	16	10	1	1	1	1	2	11	28	28	8.82
TOTAL		1.71908	0.06950																	
MAXIMUM		0.09395	0.00550	20.2	801.0	8.8	206	108	15.3	13.7	7.5	5.7	6	13	7	4	0.14	8.07	171.10	171.10
MINIMUM		0.03017	0.00000	7.8	7.4	6.1	206	108	10.4	7.2	3.8	6	3	13	7	2	0.00	0.67	4.02	8.68
AVERAGE		0.06140	0.00245	14.5	57.5	7.3	206	108	12.5	7.3	4.5	6	3	13	7	3	0.03	2.90	2.48	6.11

COMMENTS:
*GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLUMNES

WEEK	FLOW	BOD		WEEKLY AVERAGE TSS		CHLORINE		WEEKLY COLIFORM	
		mg/L	lbs	mg/L	lbs	mg/L	lbs	Geo Mean	Geo Mean
1	0.06781					0.01	2.4		4.0
2	0.06392					0.03	3.2		2.0
3	0.06865					0.01	3.0		2.0
4	0.04521					0.07	3.1		
MAX	0.06865	13.0	6.85	6.0	3.2	0.07	3.2		4.0

% REMOVAL	
B.O.D.	95.8
S.S.	97.1

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/W Utilities Superintendent
 Phone / email: (907)586-0393
 Onsite Contact: Denny Kay
 Discharge: Secondary treated wastewater discharged into Auke Bay
 From: 11/28/2010 To: 12/25/2010
 Required Reporting Frequency Monthly
 Sample Period

Outfall 001

Parameter	Min. Value	Average	Weekly	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method
Dissolved Oxygen (effluent)	Results 3.8				16	0	mg/l	1/month	Grab
Biochemical Oxygen Demand (influent)	Results 310	310	310	310	1	0	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Results 6.8	6.8	6.8	6.8	1	0	lbs/day	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Results 13.0	13.0	13.0	13.0	1	0	mg/l	1/month	Grab or Composite
Demand % removal	Results 97.1					0	%	1/month	Calculated
Total Suspended Solids (effluent)	Results 2.0	N/A	N/A	N/A	1	0	mg/l	1/month	Grab
Total Suspended Solids (effluent)	Results 310	310	310	310	1	0	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Results 40	40	60	80.1	1	0	lbs/day	1/month	Grab or Composite
Total Suspended Solids (effluent)	Results 6.0	6.0	6.0	6.0	1	0	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Results 2.8	2.8	4.0	8.00	2	0	#/100 ml	1/month	Grab
Flow Rate (effluent or influent)	Results 0.0614	0.0614	0.0686	0.0840	28	0	mgd	Daily 5/week	Measured/recorded
Total Residual Chlorine (effluent)	Results 0.03	0.03	0.025	0.14	11	0	mg/l	3/week	Grab
Biochemical Oxygen Demand % removal	Results 95.8					0	%	1/month	Calculated
Total Suspended Solids % removal	Results 85%					0	%	1/month	Calculated

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 1/10/2011
 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 ADDEC and EPA to the addresses on Part D 11 of the NPDES general permit.
 ADDEC 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/W 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: 11/28/2010
To: 12/25/2010
Sample Period

Mixing Zone

Parameter	Min Value	30 day Average	7 day Average	Max Value	Number analyses	Number violations	Units	Frequency of 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 - Grab	Permit Limits	0
									Analytical Results	43
Fecal Coliform (Shoreline)	N/A	NA	NA	NA	report	report	#/100 ml	Twice per year - Grab	Permit Limits	0
									Analytical Results	43
Dissolved Oxygen	10.4	N/A	N/A	10.4	report	report	mg/l	Upon request by ADDEC - Grab	Permit Limits	0
									Analytical Results	10.4
pH	8.0	N/A	N/A	8.0	report	report	Std. Units	Upon request by ADDEC - Grab	Permit Limits	0
									Analytical Results	8.0
Total Chlorine (if chlorine is used as disinfectant)	N/A	N/A	N/A	0.0	report	report	mg/l	Twice per year - Grab	Permit Limits	0
									Analytical Results	0.0

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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: 1/10/2011 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