

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, Juneau	Phone: (907)586-0393

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period	
		From:	1/30/2011
		To:	2/26/2011

Mixing Zone

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

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	SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT		
Tom Trego WW Superintendent		3-10-11	(907)586-0393
	DATE	TELEPHONE	

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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Location: Auke Bay, AK	Phone: (907)586-0393

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period	
		From: 1/30/2011	To: 2/26/2011

Outfall 001

Parameter	Min. Value	Monthly Average	Weekly Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method
Dissolved Oxygen (effluent) 00300 I	Results	3.0			14	0	mg/l	1/month	Grab
	Limits	2.0	N/A	N/A	report	report			
Biochemical Oxygen Demand (influent) 00310 G	Results		188	188	188	1	mg/l	1/month	Grab or Composite
	Limits	N/A	report	report	report	report			
Biochemical Oxygen Demand (effluent) 00310 W 00310 I	Results		12.3	12.3	12.3	1	lbs/day	1/month	Grab or Composite
	Limits	N/A	40	60	80.1	report			
Biochemical Oxygen Demand (effluent) 00310 W 00310 I	Results		17.0	17.0	17.0	1	mg/l	1/month	Grab or Composite
	Limits	N/A	30	45	60	report			
pH (effluent) 00400 I	Results	6.7			7.4	14	Std. Units	3/week	Grab
	Limits	6.0	N/A	N/A	9.0	report			
Total Suspended Solids (influent) 00530 G	Results		148	148	148	1	mg/l	1/month	Grab or Composite
	Limits	N/A	report	report	report	report			
Total Suspended Solids (effluent) 00530 W 00530 I	Results		5.0	5.0	5.0	1	lbs/day	1/month	Grab or Composite
	Limits	N/A	40	60	80.1	report			
Total Suspended Solids (effluent) 00530 W 00530 I	Results		7.0	7.0	7.0	1	mg/l	1/month	Grab or Composite
	Limits	N/A	30	45	60	report			
Fecal Coliform Bacteria (effluent) 31616 I	Results		140.0	140.0	140.0	1	#/100 ml	1/month	Grab
	Limits	N/A	200	400	800	report			
Flow Rate (effluent or influent) 50050 I	Results		0.0688	0.0808	0.2189	28	mgd	Daily 5/week	Measured/recorded
	Limits	N/A	report	report	0.16	report			
Total Residual Chlorine (effluent) 50060 I	Results		0.10	0.24	0.48	12	mg/l	3/week	Grab
	Limits	N/A	0.50	N/A	1.0	report			
Biochemical Oxygen Demand % removal 81010 K	Results	91.0				0	%	1/month	Calculated
	Limits	85%	N/A	N/A	N/A	report			
Total Suspended Solids % removal 81011 K	Results	95.3				0	%	1/month	Calculated
	Limits	85%	N/A	N/A	N/A	report			

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EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau Alaska

Feb/201

DAY	DATE	FLOWS		INFLUENT										EFFLUENT					MISCELLANEOUS		
		INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	pH	DO mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	TEMP °C	pH	DO mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FECAL COLIFORM /100 ml	CL RESIDUAL mg/L	CL USED LBS	
SUN	30	0.06197	0.0025																	0.00	2.01
MON	31	0.05399	0.0035	10.7	7.8	8.3				11.6	6.7	4.4								0.00	1.34
TUE	1	0.06812	0.0040	11.8	7.9	8.7				11.9	6.8	4.8									2.01
WED	2	0.06196	0.0030	12.8	8.2	7.4				11.7	7.0	5.2									3.35
THU	3	0.07491	0.0030																		2.68
FRI	4	0.06228	0.0030																		2.68
SAT	5	0.06333	0.0035																		2.68
SUN	6	0.06211	0.0030																		2.01
MON	7	0.05984	0.0030	9.7	8.5	7.0				11.7	7.4	4.0									2.01
TUE	8	0.06285	0.0030																		2.86
WED	9	0.07576	0.0020	11.7	8.0	6.2				13.0	7.4	3.4									2.01
THU	10	0.08648	0.0020	8.7	8.0	7.2	148	107	188	136	7.4	3.2	7	5	17	12	140				1.34
FRI	11	0.06426	0.0030	8.9	8.6	7.5				10.8	7.2	3.0									2.01
SAT	12	0.07136	0.0030																		2.01
SUN	13	0.06680	0.0045																		2.68
MON	14	0.05668	0.0045	9.8	8.1	7.3				11.2	7.1	4.0									2.01
TUE	15	0.06660	0.0030																		4.02
WED	16	0.06498	0.0030	11.8	7.8	8.6				11.5	7.1	5.0									4.02
THU	17	0.06291	0.0020																		3.35
FRI	18	0.05596	0.0020	9.7	8.0	7.9				10.4	7.2	3.8									2.68
SAT	19	0.06882	0.0030																		2.68
SUN	20	0.03987	0.0040																		4.02
MON	21	0.06163	0.0020	12.4	7.9	7.9				12.3	7.3	5.2									4.02
TUE	22	0.06662	0.0015																		3.35
WED	23	0.06301	0.0030							13.1	7.3	5.2									3.35
THU	24	0.05999	0.0030	13.2	8.0	8.1				10.4	7.2	5.4									3.35
FRI	25	0.21987	0.0030	7.7	8.1	6.5				10.6	6.8	3.3									2.68
SAT	26	0.05549	0.0035																		1.34
TOTAL		1.92745	0.08350																		74.37
MAXIMUM		0.21887	0.00450	13.2	8.6	8.7	148	107	188	136	7.4	5.4	7	5	17	12	140				4.02
MINIMUM		0.03987	0.00150	7.7	7.8	6.2	148	107	188	136	6.7	3.0	7	5	17	12	140				1.34
AVERAGE		0.06884	0.00298	10.7	8.1	7.6	148	107	188	136	7.1	4.3	7	5	17	12	140				2.66
NO OF ANALYSES		28		13	13	13	1	1	1	14	14	14	1	1	1	1	1				28

GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES

WEEK	FLOW	BOD		TSS		CHLORINE		WEEKLY COLIFORM		% REI
		mg/l	lbs	mg/l	lbs	mg/l	lbs	Geo Mean	B.O.D.	
1	0.06237	17.0	12.3	7.0	5.0	0.10	2.4	140.0		
2	0.06895	17.0	12.3	7.0	5.0	0.02	2.0	140.0		
3	0.06325					0.05	3.1			
4	0.08078					0.24	3.2			
MAX	0.08078	17.0	12.26	7.0	5.0	0.24	3.2	140.0		