

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 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	Sample Period	
		From: 3/27/2011	To: 4/30/2011

**Outfall 001**

Parameter		Results	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	3.2				1	0	mg/l	1/month	Grab
		Limits	2.0	N/A	N/A	N/A	report	report			
Biochemical Oxygen Demand (influent)	00310 G	Results		264	264	264	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	report	report	report	report	report			
Biochemical Oxygen Demand (effluent)	00310 W 00310 I	Results		5.0	5.0	5.0	1	0	lbs/day	1/month	Grab or Composite
		Limits	N/A	40	60	80.1	report	report			
Biochemical Oxygen Demand (effluent)	00310 W 00310 I	Results		10.0	10.0	10.0	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	30	45	60	report	report			
pH (effluent)	00400 I	Results	7.1			7.7	15	0	Std. Units	3/week	Grab
		Limits	6.0	N/A	N/A	9.0	report	report			
Total Suspended Solids (influent)	00530 G	Results		293	293	293	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	report	report	report	report	report			
Total Suspended Solids (effluent)	00530 W 00530 I	Results		2.0	2.0	2.0	1	0	lbs/day	1/month	Grab or Composite
		Limits	N/A	40	60	80.1	report	report			
Total Suspended Solids (effluent)	00530 W 00530 I	Results		4.0	4.0	4.0	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	30	45	60	report	report			
Fecal Coliform Bacteria (effluent)	31616 I	Results		23	23	23	1	1	#/100 ml	1/month	Grab
		Limits	N/A	200	400	800	report	report			
Flow Rate (effluent or influent)	50050 I	Results		0.0634	0.0697	0.0880	35	0	mgd	Daily 5/week	Measured/recorded
		Limits	N/A	report	report	0.16	report	report			
Total Residual Chlorine (effluent)	50060 I	Results		0.04		0.23	15	0	mg/l	3/week	Grab
		Limits	N/A	0.50	N/A	1.0	report	report			
Biochemical Oxygen Demand % removal	81010 K	Results	96.2					0	%	1/month	Calculated
		Limits	85%	N/A	N/A	N/A	report	report			
Total Suspended Solids % removal	81011 K	Results	99.3					0	%	1/month	Calculated
		Limits	85%	N/A	N/A	N/A	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		5/10/2011	(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

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.
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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	Sample Period	
		From: 3/27/2011	To: 4/30/2011

**Mixing Zone**

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)	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	0.01	report	report			

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Tom Trego WW Superintendent		5/10/2011	(907)586-0393
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ANY ATTACHMENT HERE)		DATE	TELEPHONE
CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD			

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

April 2011

DAY	DATE	FLOWS				INFLUENT				EFFLUENT				MISCELLANEOUS						
		WASTE MGD	SLUDGE MGD	TEMP °F	PH	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	B.O.D. LBS	TEMP °F	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	CI RESIDUAL mg/L	CI USED LBS	HAZARD? USED LBS
SUN	27	0.02686	0.0030	8.4	8.5	7.0	283	147	284	10.8	7.4	3.4	4.0	2.0	10.0	5.0	23.0	0.01	2.01	5.88
MON	28	0.06244	0.0030	8.4	8.5	7.0	283	147	284	10.8	7.4	3.4	4.0	2.0	10.0	5.0	23.0	0.01	2.01	5.88
TUE	29	0.06112	0.0030	10.0	8.7	7.6	283	147	284	10.8	7.4	3.4	4.0	2.0	10.0	5.0	23.0	0.02	2.01	5.88
WED	30	0.06770	0.0030	10.0	8.7	7.6	283	147	284	10.8	7.4	3.4	4.0	2.0	10.0	5.0	23.0	0.02	2.01	5.88
THU	31	0.06795	0.0030	10.0	8.7	7.6	283	147	284	10.8	7.4	3.4	4.0	2.0	10.0	5.0	23.0	0.02	2.01	5.88
FRI	1	0.06584	0.0030	7.8	7.9	7.2	283	147	284	10.3	7.5	3.2	4.0	2.0	10.0	5.0	23.0	0.11	2.01	7.44
SAT	2	0.06585	0.0030	8.8	7.8	7.4	283	147	284	11.9	7.1	4.0	4.0	2.0	10.0	5.0	23.0	0.11	2.01	7.44
SUN	3	0.06587	0.0030	8.8	7.8	7.4	283	147	284	11.9	7.1	4.0	4.0	2.0	10.0	5.0	23.0	0.11	2.01	7.44
MON	4	0.06874	0.0030	9.4	7.8	8.2	283	147	284	11.3	7.3	4.0	4.0	2.0	10.0	5.0	23.0	0.06	1.34	8.88
TUE	5	0.06882	0.0030	9.4	7.8	8.2	283	147	284	11.3	7.3	4.0	4.0	2.0	10.0	5.0	23.0	0.06	1.34	8.88
WED	6	0.06118	0.0030	8.1	8.0	8.1	283	147	284	10.8	7.2	3.6	4.0	2.0	10.0	5.0	23.0	0.01	2.88	5.88
THU	7	0.06744	0.0030	9.8	7.8	8.2	283	147	284	10.8	7.2	3.6	4.0	2.0	10.0	5.0	23.0	0.01	2.88	5.88
FRI	8	0.06837	0.0030	9.8	7.8	8.2	283	147	284	10.8	7.2	3.6	4.0	2.0	10.0	5.0	23.0	0.01	1.34	5.88
SAT	9	0.06140	0.0030	9.8	7.8	8.2	283	147	284	10.8	7.2	3.6	4.0	2.0	10.0	5.0	23.0	0.01	1.34	5.88
SUN	10	0.06957	0.0030	10.0	8.1	7.8	283	147	284	10.7	7.3	3.8	4.0	2.0	10.0	5.0	23.0	0.00	1.34	8.88
MON	11	0.06388	0.0030	10.0	8.1	7.8	283	147	284	10.7	7.3	3.8	4.0	2.0	10.0	5.0	23.0	0.00	1.34	8.88
TUE	12	0.06877	0.0040	9.8	8.3	8.0	283	147	284	11.0	7.2	3.6	4.0	2.0	10.0	5.0	23.0	0.00	2.01	8.88
WED	13	0.06513	0.0030	9.8	8.3	8.0	283	147	284	11.0	7.2	3.6	4.0	2.0	10.0	5.0	23.0	0.00	2.01	8.88
THU	14	0.06148	0.0030	9.8	8.0	7.5	283	147	284	10.7	7.4	3.7	4.0	2.0	10.0	5.0	23.0	0.10	2.01	5.88
FRI	15	0.05772	0.0030	9.8	8.0	7.5	283	147	284	10.7	7.4	3.7	4.0	2.0	10.0	5.0	23.0	0.10	2.01	5.88
SAT	16	0.06077	0.0050	8.3	7.7	7.9	283	147	284	12.0	7.5	3.2	4.0	2.0	10.0	5.0	23.0	0.02	2.01	8.88
SUN	17	0.06315	0.0040	8.3	7.7	7.9	283	147	284	12.0	7.5	3.2	4.0	2.0	10.0	5.0	23.0	0.02	2.01	8.88
MON	18	0.06065	0.0030	8.5	8.3	8.0	283	147	284	11.1	7.7	3.2	4.0	2.0	10.0	5.0	23.0	0.23	2.01	5.88
TUE	19	0.05968	0.0030	8.5	8.3	8.0	283	147	284	11.1	7.7	3.2	4.0	2.0	10.0	5.0	23.0	0.23	2.01	5.88
WED	20	0.06004	0.0030	8.5	8.3	8.0	283	147	284	11.1	7.7	3.2	4.0	2.0	10.0	5.0	23.0	0.23	2.01	5.88
THU	21	0.06828	0.0030	10.1	8.2	7.8	283	147	284	11.7	7.5	3.7	4.0	2.0	10.0	5.0	23.0	0.12	2.01	8.88
FRI	22	0.06190	0.0045	10.1	8.2	7.8	283	147	284	11.7	7.5	3.7	4.0	2.0	10.0	5.0	23.0	0.12	2.01	8.88
SAT	23	0.06873	0.0036	10.3	7.9	7.8	283	147	284	12.7	7.5	3.5	4.0	2.0	10.0	5.0	23.0	0.00	4.02	8.88
SUN	24	0.06547	0.0030	10.3	7.9	7.8	283	147	284	12.7	7.5	3.5	4.0	2.0	10.0	5.0	23.0	0.00	4.02	8.88
MON	25	0.06820	0.0040	10.4	8.0	5.7	283	147	284	13.3	7.7	4.2	4.0	2.0	10.0	5.0	23.0	0.00	4.02	8.88
TUE	26	0.06795	0.0030	10.4	8.0	5.7	283	147	284	13.3	7.7	4.2	4.0	2.0	10.0	5.0	23.0	0.00	4.02	8.88
WED	27	0.06180	0.0030	9.8	7.9	8.4	283	147	284	10.8	7.6	3.4	4.0	2.0	10.0	5.0	23.0	0.00	1.34	5.27
THU	28	0.05418	0.0030	10.3	8.0	8.3	283	147	284	12.7	7.7	3.8	4.0	2.0	10.0	5.0	23.0	0.00	2.88	4.34
FRI	29	0.06391	0.0030	10.3	8.0	8.3	283	147	284	12.7	7.7	3.8	4.0	2.0	10.0	5.0	23.0	0.00	4.02	3.72
SAT	30	0.06075	0.0020	10.4	9.3	8.2	283	147	284	13.3	7.7	4.2	4.0	2.0	10.0	5.0	23.0	0.23	4.02	2.48
TOTAL		2.21843	0.09520	10.4	9.3	8.2	283	147	284	13.3	7.7	4.2	4.0	2.0	10.0	5.0	23.0	0.23	4.02	2.48
MINIMUM		0.05391	0.0020	7.8	7.7	5.7	283	147	284	10.3	7.1	3.2	4.0	2.0	10.0	5.0	23.0	0.00	1.34	10.47
AVERAGE		0.06341	0.0032	9.8176	8.1176	7.2400	283	147	284	11.5	7.4	3.6	4.0	2.0	10.0	5.0	23.0	0.04	2.34	3.72
Number of Analytes		38					1	1	1											7.09

WEEK	FLOW	BOD	TSS	CHLORINE	COLIFORM	WEEKLY
	MGD	lbs	lbs	lbm	Colo/Mlsn	% REMOVAL
1	0.06889	10.0	5.0	4.0	2.0	86.2
2	0.06386	10.0	5.0	4.0	2.0	89.3
3	0.06180	10.0	5.0	4.0	2.0	
4	0.06287	10.0	5.0	4.0	2.0	
5	0.05981	10.0	5.0	4.0	2.0	
MAX	0.06889	10.0	5.0	4.0	2.0	

\* GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES  
\* SEE ENCLOSED VIOLATION LETTER