

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:
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: 6/27/2010	To: 7/31/2010

**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 1	Results	3.6			1	0	mg/l	1/month	Grab
	Limits	2.0	N/A	N/A	report	report			
Biochemical Oxygen Demand (influent) 00310 G	Results		288	288	288	1	mg/l	1/month	Grab or Composite
	Limits	N/A	report	report	report	report			
Biochemical Oxygen Demand (effluent) <u>00310 W</u> 00310 1	Results		9.9	9.9	9.9	1	lbs/day	1/month	Grab or Composite
	Limits	N/A	40	60	80.1	report			
Biochemical Oxygen Demand (effluent) <u>00310 W</u> 00310 1	Results		16.0	16.0	16.0	1	mg/l	1/month	Grab or Composite
	Limits	N/A	30	45	60	report			
pH (effluent) 00400 1	Results	7			7.5	15	Std. Units	3/week	Grab
	Limits	6.0	N/A	N/A	9.0	report			
Total Suspended Solids (influent) 00530 G	Results		252	252	252	1	mg/l	1/month	Grab or Composite
	Limits	N/A	report	report	report	report			
Total Suspended Solids (effluent) <u>00530 W</u> 00530 1	Results		9.3	9.3	9.3	1	lbs/day	1/month	Grab or Composite
	Limits	N/A	40	60	80.1	report			
Total Suspended Solids (effluent) <u>00530 W</u> 00530 1	Results		15.0	15.0	15.0	1	mg/l	1/month	Grab or Composite
	Limits	N/A	30	45	60	report			
Fecal Coliform Bacteria (effluent) 31616 1	Results		33	33	33	1	#/100 ml	1/month	Grab
	Limits	N/A	200	400	800	report			
Flow Rate (effluent or influent) 50050 1	Results		0.0709	0.0724	0.0907	35	mgd	Daily 5/week	Measured/recorded
	Limits	N/A	report	report	0.16	report			
Total Residual Chlorine (effluent) 50060 1	Results		0.12		0.82	15	mg/l	3/week	Grab
	Limits	N/A	0.50	N/A	1.0	report			
Biochemical Oxygen Demand % removal 81010 K	Results	94.4				0	%	1/month	Calculated
	Limits	85%	N/A	N/A	N/A	report			
Total Suspended Solids % removal 81011 K	Results	96.3				0	%	1/month	Calculated
	Limits	85%	N/A	N/A	N/A	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	Nathan D. McCombs <small>Digitally signed by Nathan D. McCombs DN: cn=Nathan D. McCombs, o=CB1, ou=CB1 Public Utilities, email=nathan_mccombs@cb1.juneau.ak.us, c=US Date: 2010.08.19 09:52:51 -0800</small>
	8/10/2010 (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.
ADEC File number: 1513.45.009			

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

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period	
		From: 6/27/2007	To: 7/31/2010

**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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NAME, TITLE OF PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT		
Tom Trego WW Superintendent	Nathan D. McCombs	8/10/10	(907)586-0393
	<small>Digitally signed by Nathan D. McCombs DN: cn=Nathan D. McCombs, o=AK c=US, email=nathan.mccombs@ci.juneau.ak.us</small>	DATE	TELEPHONE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE)

CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

JULY 2010

DAY	DATE	FLOWS				INFLUENT				EFFLUENT				MISCELLANEOUS				
		WASTE MLD	SLUDGE MLD	TEMP °C	PH	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	B.O.D. LBS	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	MISC USED LBS	
SUN	27	0.07200	0.0030	16.2	7.8	6.5			15.3	7.4	4.0						2.88	3.41
MON	28	0.06934	0.0060	16.2	7.8	6.1			16.6	7.4	3.9						3.35	3.72
TUE	29	0.07370	0.0060	19.9	7.8	6.1			14.8	7.5	4.0			0.01			2.66	3.10
WED	30	0.06779	0.0030	15.5	7.8	6.8			15.1	7.4	4.2						2.88	3.72
THU	1	0.07459	0.0090	15.3	7.7	7.0	252	157	17.9	7.4	4.3	15	9				2.01	2.79
FRI	2	0.07683	0.0030	16.4	7.7	5.2			17.3	7.4	3.8						2.01	2.48
SAT	3	0.08040	0.0030														2.01	2.48
SUN	4	0.07594	0.0030														2.66	2.48
MON	5	0.07500	0.0075	15.7	7.6	6.1			16.0	7.3	4.5			0.01			2.66	3.72
TUE	6	0.06977	0.0060	16.9	7.4	5.1			16.9	7.2	3.9						2.66	3.10
WED	7	0.07113	0.0060	16.5	7.8	6.5			16.1	7.3	6.3			0.00			2.01	2.48
THU	8	0.06757	0.0075	17.2	7.8	6.5			16.4	7.4	6.0						5.36	2.48
FRI	9	0.06852	0.0030	17.8	7.7	5.1			18.6	7.4	3.6			0.00			2.01	2.17
SAT	10	0.07027	0.0030														4.02	2.79
SUN	11	0.06072	0.0030														2.01	2.48
MON	12	0.06327	0.0045	18.4	7.4	4.8			21.7	7.2	4.6			0.00			2.01	2.79
TUE	13	0.06884	0.0045	16.6	7.8	6.4			16.3	7.4	5.4						4.02	2.48
WED	14	0.07689	0.0060	16.1	8.1	6.8			16.0	7.3	5.0			0.01			4.02	2.48
THU	15	0.07688	0.0060	15.1	8.1	7.1			16.8	7.5	4.5						2.01	2.48
FRI	16	0.06079	0.0015	16.7	7.8	6.8			15.5	7.0	4.1			0.00			2.66	2.79
SAT	17	0.04007	0.0025														4.02	3.41
SUN	18	0.07653	0.0030														3.35	2.79
MON	19	0.06608	0.0020	16.3	7.7	6.3			16.0	7.3	6.2						5.36	3.41
TUE	20	0.06608	0.0020	17.1	7.8	7.3			16.2	7.3	4.2			0.21			3.35	3.10
WED	21	0.07109	0.0020	16.7	7.8	6.3			16.3	7.3	4.4			0.17			2.66	1.55
THU	22	0.08154	0.0020	17.1	8.2	5.9			16.9	7.8	5.7			0.82			1.34	1.55
FRI	23	0.06608	0.0030	17.1	7.7	6.7			16.6	7.3	6.6			0.01			2.11	3.41
SAT	24	0.07340	0.0030														2.66	4.65
SUN	25	0.08153	0.0045														2.01	4.65
MON	26	0.06466	0.0025	17.7	7.5	6.4			16.4	7.4	5.2			0.20			2.66	4.65
TUE	27	0.07656	0.0020	15.3	7.6	5.4			15.7	7.3	3.8			0.21			2.01	2.79
WED	28	0.06613	0.0020	18.6	7.7	6.2			16.5	7.3	4.0						1.34	4.65
THU	29	0.07594	0.0020	16.9	7.6	6.4			16.6	7.3	4.4						3.35	4.34
FRI	30	0.06074	0.0015	16.7	7.4	6.5			17.9	7.3	5.0			0.14			2.01	4.05
SAT	31	0.04128	0.0030														2.01	4.05
TOTAL		2.4820	0.1280														87.92	109.43
MAXIMUM		0.0807		19.9	8.2	7.3	252	157	20.6	7.5	6.6	15.0	9.3	16.0	9.9			
MINIMUM		0.0401		15.1	7.4	4.8	262	157	17.9	7.0	3.8	15.0	9.3	16.0	9.9			
AVERAGE		0.0709		16.9	7.748	6.248	252	157	18.798	7.3	4.7	15.0	9.3	16.0	9.9			
MEAN		0.0709		16.9	7.748	6.248	252	157	18.798	7.3	4.7	15.0	9.3	16.0	9.9			

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

WEEK	FLOW		B.O.D.		FECAL COLIFORM		CI		MISCELLANEOUS	
	MLD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
1	0.07235	16.0	9.9	15.0	9.3	16.0	9.9	32.5	0.82	
2	0.07098									
3	0.06981									
4	0.07083									
5	0.07089									
MAX	0.07235	16.0	9.9	15.0	9.3	16.0	9.9	32.5	0.82	

WEEK	FLOWS		B.O.D.		FECAL COLIFORM		CI		MISCELLANEOUS	
	MLD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD	MGD
1	0.07235	16.0	9.9	15.0	9.3	16.0	9.9	32.5	0.82	
2	0.07098									
3	0.06981									
4	0.07083									
5	0.07089									
MAX	0.07235	16.0	9.9	15.0	9.3	16.0	9.9	32.5	0.82	