

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska
December 2012

DAY	DATE	FLOWS										EFFLUENT										MISCELLANEOUS									
		INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG mg/L	NH3 mg/L	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG mg/L	NH3 mg/L	FOG mg/L	NH3 mg/L	FECAL COLIFORM /100 ml	Chl. RESIDUAL mg/L	Chl. USED Gal	Na2SO2 USED LBS				
SUN	26	0.068	0.000	13.4	7.8	6.7				54	18	12.6	6.7	4.3						7	9				6.0	4.98					
MON	27	0.060	0.003	12.4	7.7	6.0						12.4	6.9	4.3										0.02	6.0	4.34					
TUE	28	0.058	0.003	12.2	7.6	5.2						12.6	7.0	4.3										0.03	4.7	3.10					
WED	29	0.057	0.003	14.2	7.6	5.7						13.2	6.8	4.0										0.03	4.5	4.34					
THU	30	0.062	0.003	14.3	7.6	6.2						13.1	6.8	3.9										0.01	5.0	2.79					
FRI	31	0.048	0.003	14.3	7.6	6.2																		0.01	4.0	3.41					
SAT	1	0.060	0.000																					5.5	3.10						
SUN	2	0.070	0.000																					7.5	3.72						
MON	3	0.052	0.003	10.6	7.1	6.5						11.8	6.7	4.6										0.35	9.0	5.27					
TUE	4	0.059	0.003	10.5	7.5	5.6	160	79	213	105	43	12.5	6.8	3.7	6	3	7	3	5			1	0.88	6.0	1.86						
WED	5	0.062	0.002	12.2	8.0	5.9						12.7	6.7	3.5										0.21	7.0	3.72					
THU	6	0.051	0.003	11.9	7.4	6.5						12.3	6.8	4.5										0.25	7.0	4.96					
FRI	7	0.051	0.003	10.9	7.4	6.1						12.5	6.9	4.1										0.03	6.0	3.10					
SAT	8	0.060	0.000																						5.0	2.48					
SUN	9	0.062	0.000																						5.0	2.48					
MON	10	0.071	0.003	11.9	7.6	6.4						12.6	6.8	3.7										0.02	5.0	4.65					
TUE	11	0.069	0.003	10.9	7.9	6.9						11.9	6.9	4.1						9			3	0.02	5.0	6.20					
WED	12	0.071	0.001	11.4	7.7	6.6						10.5	6.8	3.8										0.01	5.0	5.68					
THU	13	0.072	0.003	13.3	7.4	6.4						11.9	6.8	4.2										0.01	6.0	6.20					
FRI	14	0.079	0.003	11.3	7.9	8.1						12.9	6.7	3.9										0.01	6.0	4.65					
SAT	15	0.077	0.000																						5.0	7.44					
SUN	16	0.065	0.000																						8.0	6.82					
MON	17	0.057	0.003	11.1	7.6	6.5						10.9	6.7	4.2										0.02	7.0	3.41					
TUE	18	0.069	0.003	13.3	7.6	6.8						12.1	6.7	4.3										0.01	6.0	3.72					
WED	19	0.053	0.003	8.6	7.9	6.9						10.7	6.6	4.8										0.10	7.0	7.75					
THU	20	0.059	0.003	11.9	7.6	7.1						10.0	6.6	4.3										0.04	6.0	4.65					
FRI	21	0.049	0.003	11.2	7.5	7.1						12	9.4	6.6	4.2							4		0.02	5.0	4.34					
SAT	22	0.054	0.000																						0.04	5.0	3.41				
SUN	23	0.053	0.000																						0.02	5.0	3.41				
MON	24	0.046	0.012	12.3	8.0	6.3						10.3	6.8	3.2										0.02	7.0	6.82					
TUE	25	0.047	0.012	8.6	7.7	8.1						12.8	6.9	3.9										0.18	10.0	6.20					
WED	26	0.048	0.002	11.4	7.6	7.3						9.8	7.0	5.8										0.01	8.0	2.79					
THU	27	0.049	0.000	9.0	7.8	7.4						10.3	6.9	6.4										0.06	4.0	5.68					
FRI	28	0.038	0.002	10.7	6.8	5.7						10.3	6.7	4.9										0.09	5.0	4.65					
SAT	29	0.056	0.000																						6.0	3.10					
TOTAL		2.062	0.054																						209.2						
MAXIMUM		0.079	0.012	14.3	8.0	8.1	160	79	213	105	54	18	13.2	7.0	6.4	6	3	7	3	9	9	3	3	0.88	10.0	7.75					
MINIMUM		0.038	0.000	8.6	6.8	5.2	160	79	213	105	36	12	9.4	6.6	3.2	6	3	7	3	5	4	1	1	0.01	4.0	1.86					
AVERAGE		0.059	0.002	11.6	7.6	6.6	160	79	213	105	44	15	11.7	6.8	4.3	6	3	7	3	7	7	2	2	0.09	6.0	4.43					
OF ANALYSIS		35	35	25	25	25	1	1	1	1	3	2	25	25	25	1	1	1	1	3	2	2	2	27	35	35					

% REMOVAL	
B.O.D.	97
S.S.	98

WEEK	BOD			TSS			CHLORINE			WEEKLY AVERAGE				
	mg/l	lbs	Geo. Mean	mg/l	lbs	Geo. Mean	mg/l	Gal	mg/l	Gal	Geo. Mean	mg/l	Gal	Geo. Mean
1	7	3	6	0.02	5.10	1	0.02	5.10	0.02	5.10	1	0.02	5.10	1
2	7	3	6	0.01	6.79	3	0.30	6.79	0.01	5.29	3	0.01	5.29	3
3				0.04	6.29		0.04	6.29	0.04	6.29		0.04	6.29	
4				0.06	6.43		0.06	6.43	0.06	6.43		0.06	6.43	
5				0.30	6.79	3	0.30	6.79	0.30	6.79	3	0.30	6.79	3
MAX	7	3	6	0.02	5.10	1	0.02	5.10	0.02	5.10	1	0.02	5.10	1

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

Permit number: AKG-57-1000-013	Expires: October 31, 2017	Submit this report to:	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: Nathan McCombs
Location: Auke Bay, Juneau	Phone: (907)586-0393

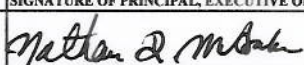
Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period		
		From:	To:	
		11	25	2012
		12	29	2012

Parameter	Min. Value	30 day Average	7 day Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method
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Discharge 1

Flow Rate (effluent or influent)	Estmt'd/ Measure		0.059		0.079	35	0	mgd	Daily 5/week	Measured/ recorded
	Permit Limits	N/A	report	N/A	0.16	report	report			
Biochemical Oxygen Demand (influent)	Analytical Results		213	213	213	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		7	7	7	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		3	3	3	1	0	lbs/day	1/month	Grab or Composite
	Permit Limits	N/A	40	60	80	report	report			
Biochemical Oxygen Demand % removal	Analytical Results	97					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Total Suspended Solids (influent)	Analytical Results		160	160	160	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Total Suspended Solids (effluent)	Analytical Results		6	6	6	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Total Suspended Solids (effluent)	Analytical Results		3	3	3	1	0	lbs/day	1/month	Grab or Composite
	Permit Limits	N/A	40	60	80	report	report			
Total Suspended Solids % removal	Analytical Results	98					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Fecal Coliform Bacteria (effluent)	Analytical Results		2		3	2	0	#/100 ml	1/month	Grab
	Permit Limits	N/A	200	N/A	800	report	report			
Dissolved Oxygen (effluent)	Analytical Results	3.2				25	0	mg/l	1/month	Grab
	Permit Limits	2.0	N/A	N/A	N/A	report	report			
pH (effluent)	Analytical Results	6.6			7.0	25	0	Std. Units	3/week	Grab
	Permit Limits	6.0	N/A	N/A	9.0	report	report			
Total Residual Chlorine (effluent)	Analytical Results		0.1		0.7	27	0	mg/l	3/week	Grab
	Permit Limits	N/A	0.5	N/A	1	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	DATE	TELEPHONE
Nathan McCombs Wastewater Treatment Supervisor		1-14-13	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-57-2000	Expires: October 31, 2017	Submit this report to:	ADEC and EPA to the addresses on Part D 11 of the NPDES general permit.
ADEC File number: 1513.45.009			

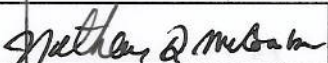
Applicant Name: City and Borough of Juneau	Responsible party: Tom Trego/WW Utilities Superintendent
Address: 155 South Seward, Juneau, AK 99801	Phone / email: (907)586-0393
Facility: Auke Bay Wastewater Treatment Facility	Onsite Contact: Nathan McCombs
Location: Auke Bay, Juneau	Phone: (907)586-0393

		Sample Period			
Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	From:	11	25	2012
		To:	12	29	2012

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	3				1	0	#/100 ml	Twice per year - 2/year	Grab
	Permit Limits	N/A	14	N/A	43	report	report			
Fecal Coliform Bacteria (Shoreline)	Analytical Results	2				1	0	#/100 ml	Twice per year - 2/year	Grab
	Permit Limits	N/A	NA	N/A	NA	report	report			
Dissolved Oxygen	Analytical Results	11.9				1	0	mg/l	Upon request by ADEC	Grab
	Permit Limits	6	N/A	N/A	17	report	report			
pH	Analytical Results	7.4				1	0	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	0.0				1	0	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		
Nathan McCombs Wastewater Treatment Supervisor		1-14-13	907 - 586 - 0393
	DATE	TELEPHONE	

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

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