

**AUKE BAY WASTEWATER TREATMENT FACILITY**  
Juneau, Alaska

November 2012

DAY	DATE	FLOWS		INFLUENT						EFFLUENT						MISCELLANEOUS										
		INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	pH	D.O. mg/L	S.S. mg/L	B.O.D. LBS	B.O.D. LBS	FOG mg/L	N as mg/L	TEMP °C	pH	D.O. mg/L	S.S. mg/L	B.O.D. mg/L	B.O.D. LBS	B.O.D. LBS	FOG mg/L	FECAL COLIFORM /100 ml	N as mg/L	Cl <sub>2</sub> RESIDUAL mg/L	Cl <sub>2</sub> USED Gal	Na2SO3 USED LBS		
SUN	28	0.069	0.0000	14.5	7.6	6.4				15.3	7.1	3.2														
MON	29	0.060	0.0040	15.1	7.9	5.0	136	77	266	150	48	22														
TUE	30	0.068	0.0030	15.9	7.8	5.9				14.7	7.1	3.2														
WED	31	0.065	0.0030	15.9	7.8	5.9				14.9	7.2	3.8														
THU	1	0.063	0.0015	15.2	8.4	6.1				14.9	7.1	3.5														
FRI	2	0.066	0.0030	15.6	8.3	6.2				14.8	7.1	3.3														
SAT	3	0.067	0.0000																							
SUN	4	0.076	0.0000	10.7	7.3	7.7				14.1	7.1	3.7														
MON	5	0.079	0.0030	15.2	7.7	6.3				14.6	7.1	3.1														
TUE	6	0.092	0.0035	12.7	7.3	6.4				13.8	7.1	3.1														
WED	7	0.068	0.0030	12.7	7.3	6.4				13.6	7.1	3.0														
THU	8	0.077	0.0015	13.4	7.8	6.3																				
FRI	9	0.072	0.0030																							
SAT	10	0.075	0.0000																							
SUN	11	0.068	0.0000	12.5	7.4	7.7				12.8	7.0	3.8														
MON	12	0.082	0.0030	12.6	7.3	6.2				12.9	7.2	3.1														
TUE	13	0.070	0.0020	13.1	7.5	8.3				13.2	7.1	4.0														
WED	14	0.089	0.0015	12.4	7.5	7.2																				
THU	15	0.087	0.0015							12.1	7.1	4.1														
FRI	16	0.067	0.0045																							
SAT	17	0.070	0.0000																							
SUN	18	0.071	0.0000	13.0	7.7	6.6				13.9	6.9	4.0														
MON	19	0.074	0.0030	11.9	8.0	5.5				12.3	7.0	4.5														
TUE	20	0.061	0.0030	11.8	7.6	6.1				12.2	7.0	4.3														
WED	21	0.066	0.0015	11.9	7.6	6.2				12.4	7.0	4.7														
THU	22	0.061	0.0030	11.9	7.7	6.2				12.8	6.9	4.4														
FRI	23	0.046	0.0000																							
SAT	24	0.066	0.0000																							
TOTAL		1.974	0.0515																							
MAXIMUM		0.092	0.0045	15.9	8.4	8.3	136	77	266	150	93	26														
MINIMUM		0.046	0.0000	10.7	7.3	5.0	136	77	266	150	21	22														
AVERAGE		0.070	0.0018	13.3	7.7	6.5	136	77	266	150	46	24														
OF ANALYSIS		28	28	18	18	18	1	1	1	1	5	2														

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

WEEK	BOD		TSS		CHLORINE		WEEKLY COLIFORM	
	mg/L	lbs	mg/L	lbs	mg/L	lbs	Geo. Mean	Coliform
1	10.0	5.6	2	1.1	0.0720	5.5	8	8
2					0.0980	7.4	10	10
3					0.0725	9.6	10	10
4					0.0540	7.3	10	10
MAX.	10.0	5.64	2	1	0.0980	10	10	10

% REMOVAL	
B.O.D.	S.S.
96	99

Permit number: AKG-57-2000	Expires: October 31, 2017	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: 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:	10	28	2012
		To:	11	24	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							#/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		
Nathan McCombs Wastewater Treatment Supervisor		12-13-12	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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**Discharge 1**

Flow Rate (effluent or influent)	Estmt'd/ Measure		0.070		0.092	28	0	mgd	Daily 5/week	Measured/ recorded
	Permit Limits	N/A	report	N/A	0.16	report	report			
Biochemical Oxygen Demand (influent)	Analytical Results		266	266	266	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		10	10	10	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		6	6	6	1	0	lbs/day	1/month	Grab or Composite
	Permit Limits	N/A	40	60	80.1	report	report			
Biochemical Oxygen Demand % removal	Analytical Results	96					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Total Suspended Solids (influent)	Analytical Results		136	136	136	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Total Suspended Solids (effluent)	Analytical Results		2	2	2	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Total Suspended Solids (effluent)	Analytical Results		1	1	1	1	0	lbs/day	1/month	Grab or Composite
	Permit Limits	N/A	40	60	80.1	report	report			
Total Suspended Solids % removal	Analytical Results	99					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Fecal Coliform Bacteria (effluent)	Analytical Results		8		8	1	0	#/100 ml	1/month	Grab
	Permit Limits	N/A	200	N/A	800	report	report			
Dissolved Oxygen (effluent)	Analytical Results	3.0				18	0	mg/l	1/month	Grab
	Permit Limits	2	N/A	N/A	N/A	report	report			
pH (effluent)	Analytical Results	6.9			7.2	18	0	Std. Units	3/week	Grab
	Permit Limits	6	N/A	N/A	9	report	report			
Total Residual Chlorine (effluent)	Analytical Results		0.07		0.5	19	0	mg/l	3/week	Grab
	Permit Limits	N/A	0.5	N/A	1	report	report			

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Nathan McCombs Wastewater Treatment Supervisor	 DATE: 12-13-12 TELEPHONE: 907 - 586 - 0393
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