

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

August 2011

FLOWS										INFLUENT					EFFLUENT					MISCELLANEOUS		
DAY	DATE	INFLUENT MGD	WASTE SLUDGE AVERAGE	TEMP °F	pH	DO mg/L	SS mg/L	BOD LBS	BOD mg/L	TEMP °F	pH	DO mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FECAL COLIFORM /100 ML	CHLORINE RESIDUAL mg/L	NASDAQ USED LBS			
SUN	31	0.07336	0.00300	15.2	8.5	5.9				15.9	7.8	3.6						0.00	2.88	8.98		
MON		0.07875	0.00300																0.00	4.02	8.99	
TUE	2	0.06954	0.00300																0.01	2.01	5.58	
WED	3	0.07203	0.00300	15.1	8.3	6.1				16.1	7.5	3.4						0.01	2.01	5.58		
THU	4	0.07318	0.00300																0.01	2.01	5.58	
FRI	5	0.06919	0.00600	14.1	8.2	6.3				16.9	7.0	4.1						0.01	4.09	10.54		
SAT	6	0.06968	0.00300																0.01	2.68	7.44	
SUN	7	0.06388	0.00300	15.0	8.4	5.4				16.4	7.8	3.5						0.00	4.02	6.90		
MON	8	0.05694	0.00450																2.68	7.44	2.68	
TUE	9	0.06830	0.00300	14.7	8.6	5.3				16.2	7.6	3.7						0.01	2.68	5.58		
WED	10	0.05619	0.00300	14.7	8.6	5.3													2.01	5.58	2.01	
THU	11	0.06975	0.00300	14.5	8.3	6.1				16.1	7.9	4.6						0.00	2.01	5.58		
FRI	12	0.06453	0.00275																0.00	3.35	7.13	
SAT	13	0.05814	0.00300																0.00	3.35	6.82	
SUN	14	0.06897	0.00300	14.6	8.7	5.9				15.6	7.9	3.5						0.00	2.88	6.82		
MON	15	0.08927	0.00300																3.35	7.13	3.35	
TUE	16	0.12233	0.00250	15.1	7.1	4.2				14.2	7.5	6.9						0.40	2.01	5.58		
WED	17	0.05465	0.00250																1.34	5.58	1.34	
THU	18	0.07177	0.00300	14.0	8.5	6.3				15.5	7.8	3.6						0.00	5.56	7.75		
FRI	19	0.09703	0.00300																16.75	12.71	16.75	
SAT	20	0.10100	0.00250																6.70	8.06	6.70	
SUN	21	0.09540	0.00250	13.8	8.4	8.7				14.9	7.7	3.4						0.00	4.02	12.71		
MON	22	0.08822	0.00250																2.68	12.40	2.68	
TUE	23	0.09161	0.00250	13.5	8.2	7.1				14.2	7.8	3.7						0.10	2.68	11.16		
WED	24	0.09105	0.00250																3.35	12.40	3.35	
THU	25	0.06711	0.00250	13.5	8.7	8.5				14.8	7.9	3.2						0.00	4.69	8.95		
FRI	26	0.07928	0.00250																6.03	15.50	6.03	
SAT	27	0.07212	0.00300																			
TOTAL		2.10822	0.08375																103.18		15.50	
MAXIMUM		0.12233	0.00800	15.2	8.7	7.1	189	95	350	16.9	7.9	6.9	6	3	9	5	600	0.40	16.75	15.50		
MINIMUM		0.05465	0.00250	13.5	7.1	4.2	189	0	350	14.2	7.0	3.2	6	0	9	0	6	0.00	1.34	5.58		
AVERAGE		0.07533	0.02299	14.4	8.3	6.0	189	47	350	15.6	7.7	3.9	6	2	9	2	40	0.04	3.99	8.14		
NO. OF ANALYSIS		28					1	2	1	2	12	12	1	2	1	2	3	12				

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

WEEK	BOD mg/L	TSS mg/L	CHLORINE mg/L	WEEKLY COLIFORM Geo Mean	% REMOVAL		
1			0.0067	2.9	98		
2			0.0033	2.9			
3			0.1333	4.7	103.9		
4	8.7	4.9	6.0	3.4	0.0333	4.3	6.3
MAX	8.7	4.87	6	3	0.1333	5	5.5

Permit number: AKG-57-1000-013	Expires: July 20, 2009	Submit this report to:	ADEC and EPA to the addresses on Part D II 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

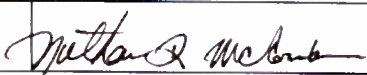
Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period		
		From:	To:	
		7	31	2011
		8	27	2011

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 I**

Flow Rate (effluent or influent)	Estm'd/ Measure		0.0753		0.1223	28				
	Permit Limits	N/A	report	N/A	0.16	report	report	mgd	Daily 5/week	Measured/ recorded
Biochemical Oxygen Demand (influent)	Analytical Results		350	350	350	1				
	Permit Limits	N/A	report	report	report	report	report	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Analytical Results		8.7	8.7	8.7	1				
	Permit Limits	N/A	30	45	60	report	report	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Analytical Results		4.9	4.9	4.9	1				
	Permit Limits	N/A	40	60	80	report	report	lbs/day	1/month	Grab or Composite
Biochemical Oxygen Demand % removal	Analytical Results	98								
	Permit Limits	85%	N/A	N/A	N/A	report	report	%	1/month	Calculated
Total Suspended Solids (influent)	Analytical Results		169	169	169	1				
	Permit Limits	N/A	report	report	report	report	report	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Analytical Results		6	6	6	1				
	Permit Limits	N/A	30	45	60	report	report	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Analytical Results		3.4	3.4	3.4	1				
	Permit Limits	N/A	40	60	80.1	report	report	lbs/day	1/month	Grab or Composite
Total Suspended Solids % removal	Analytical Results	96								
	Permit Limits	85%	N/A	N/A	N/A	report	report	%	1/month	Calculated
Fecal Coliform Bacteria (effluent)	Analytical Results		55		55	3				
	Permit Limits	N/A	200	N/A	800	report	report	#/100 ml	1/month	Grab
Dissolved Oxygen (effluent)	Analytical Results	3.2				12				
	Permit Limits	2	N/A	N/A	N/A	report	report	mg/l	1/month	Grab
pH (effluent)	Analytical Results	7			7.9	12				
	Permit Limits	6	N/A	N/A	9	report	report	Std. Units	3/week	Grab
Total Residual Chlorine (effluent)	Analytical Results		0.0		0.4	12				
	Permit Limits	N/A	0.5	N/A	1	report	report	mg/l	3/week	Grab

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 D. McCombs QA Manager		9-6-11	(907) 586-0760
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: 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: 7-31-11	To: 8-27-11

**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					9.34		mg/l	Upon request by ADEC	Grab
	Permit Limits	6	N/A	N/A	17	report	report			
pH	Analytical Results					8.53		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		mg/l	Twice per year - 2/year	Grab
	Permit Limits	N/A	N/A	N/A	0.0075	report	report			

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NAME, TITLE OF PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
Nathan D. McCombs QA Manager		9-6-4 (907) 586-0760 DATE TELEPHONE

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

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