

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska

July 2011

DAY	DATE	FLOWS										INFLUENT										EFFLUENT										MISCELLANEOUS									
		INFLUENT		WASTE		TEMP	pH	D.O.	S.S.	S.S.	B.O.D.	B.O.D.	TEMP	pH	D.O.	S.S.	S.S.	B.O.D.	B.O.D.	FECAL	RESIDUAL	Cl ₂	Na2SO2																		
		MGD	MGD	°C		mg/L	MGD	LBS	MGD	LBS	LBS	°C		mg/L	MGD	LBS	MGD	LBS	MGD	LBS	MGD	LBS	LBS	LBS																	
SUN	26	0.06584	0.00400																																						
MON	27	0.06139	0.00350	15.1	8.5	6.0					16.1	7.8	3.5																												
TUE	28	0.06770	0.00250																																						
WED	29	0.08087	0.00300	14.8	8.2	7.3					15.5	7.6	3.4																												
THU	30	0.08356	0.00300																																						
FRI	1	0.06227	0.00200	13.9	8.3	5.8					15.1	7.9	4.4																												
SAT	2	0.06345	0.00300																																						
SUN	3	0.06095	0.00300																																						
MON	4	0.08349	0.00100	13.6	8.2	6.7					15.8	7.9	4.2																												
TUE	5	0.07698	0.00000																																						
WED	6	0.06013	0.00450	14.1	7.7	7.0					15.1	7.2	4.8																												
THU	7	0.06277	0.00300																																						
FRI	8	0.06910	0.00300	14.3	8.1	6.4					15.3	8.0	3.9																												
SAT	9	0.05699	0.00300																																						
SUN	10	0.06883	0.00300																																						
MON	11	0.06206	0.00300	14.2	8.4	6.6					16.1	7.8	3.8																												
TUE	12	0.05889	0.00250																																						
WED	13	0.07471	0.00000	14.3	8.3	7.2					16.1	7.7	3.5																												
THU	14	0.05039	0.00300																																						
FRI	15	0.06637	0.00600	15.1	8.4	6.2					16.8	7.8	3.4																												
SAT	16	0.05582	0.00300																																						
SUN	17	0.05851	0.00400																																						
MON	18	0.05849	0.00400	16.0	8.5	6.2					16.6	7.9	3.4																												
TUE	19	0.07057	0.00300																																						
WED	20	0.06499	0.00300	15.3	8.6	7.3					16.7	7.7	3.6																												
THU	21	0.05884	0.00300																																						
FRI	22	0.06960	0.00300	15.5	8.4	6.4					16.9	7.7	3.8																												
SAT	23	0.05739	0.00300																																						
SUN	24	0.07394	0.00450																																						
MON	25	0.06834	0.00300	15.7	8.5	6.3					16.5	7.9	3.5																												
TUE	26	0.07772	0.00300																																						
WED	27	0.08023	0.00300	15.2	8.2	6.4					16.1	7.7	3.6																												
THU	28	0.09469	0.00600																																						
FRI	29	0.07897	0.00300	15.1	8.4	5.9					15.9	7.7	4.0																												
SAT	30	0.06593	0.00300																																						
TOTAL		2.34687	0.10750																																						
MAXIMUM		0.09469	0.00600	16.0	8.6	7.3					16.9	8.0	4.8																												
MINIMUM		0.05039	0.00000	13.6	7.7	5.8					15.1	7.2	3.4																												
AVERAGE		0.06705	0.00307	14.8	8.3	6.5					16.0	7.8	3.8																												
NO. OF ANALYSES		28	28	12	12	12	1	1	1	1	12	12	12	1	1	1	1	1	1	1	1	1	1	12																	

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

WEEK	BOD				TSS				CHLORINE				WEEKLY COLIFORM			
	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs	Geo Mean				Geo Mean	
1	12.5	6.6	13.0	6.8	0.03	2.11					97				97	
2					0.01	2.20										
3					0.00	2.78										
4					0.06	2.97										
5					0.00	2.87										
MAX	12.5	6.6	13.0	6.8	0.06	2.97									97	

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

Permit number: AKG-57-1000-013 Expires: July 20, 2009 Submit this report AD/EC and EPA to the addresses on Part D 11 of the NPDES general permit. AD/EC File number: 1513.45.009

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

Required Reporting Frequency Monthly
 Discharge: Secondary treated wastewater discharged into Auke Bay
 From: 29 2011 To: 7 2011
 Sample Period

Parameter	Min. Value	30 day Average	7 day Average	Max. Value	Number analyses	Number violations	Limits	Frequency of Analysis	Sample Method
Fecal Coliform (Edge of MZ)	N/A	14	N/A	43	report	report	#/100 ml	Twice per year - 2/year	Grab
Fecal Coliform	N/A	N/A	N/A	NA	report	report	#/100 ml	Twice per year - 2/year	Grab
Dissolved Oxygen	6	N/A	N/A	17	report	report	mg/l	Upon request by AD/EC	Grab
pH	6.5	N/A	N/A	8.5	report	report	Std Units	request by AD/EC	Grab
Total Chlorine (if chlorine is used as disinfectant)	N/A	N/A	N/A	0.0075	report	report	mg/l	Twice per year - 2/year	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
 DATE 8-10-11
 TELEPHONE (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-57-1000-013 Expires: July 20, 2009 Submit this report to: ADEC, File number: 1513.45.009

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

Required Reporting Frequency Monthly
 Discharge: Secondary treated wastewater discharged into Auke Bay
 Sample Period
 From: 6 To: 7
 2011 30 2011

Parameter	Min. Value	30 day Average	7 day Average	Max. Value	Number of Analyses	Number of Violations	Limits	Frequency of Analysis	Sample Method
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Parameter	Permit Limits	Analytical Results	Flow Rate (effluent)	Flow Rate (influent)	Demand (effluent)	Demand (influent)	Biochemical Oxygen Demand (effluent)	Biochemical Oxygen Demand (influent)	Total Suspended Solids (effluent)	Total Suspended Solids (influent)	Total Suspended Solids	% removal	Fecal Coliform Bacteria	Dissolved Oxygen	pH (effluent)	Total Residual Chlorine (effluent)
Flow Rate (effluent)	N/A	report	0.0671	0.0947	28	1	report	report	report	report	report	report	report	report	report	report
Flow Rate (influent)	N/A	report	453	453	453	1	report	report	report	report	report	report	report	report	report	report
Demand (effluent)	N/A	report	12.54	12.54	12.54	1	report	report	report	report	report	report	report	report	report	report
Demand (influent)	N/A	report	30	45	60	6.6	report	report	report	report	report	report	report	report	report	report
Biochemical Oxygen Demand (effluent)	N/A	report	6.6	6.6	6.6	1	report	report	report	report	report	report	report	report	report	report
Biochemical Oxygen Demand (influent)	N/A	report	40	60	80.1	97.2	report	report	report	report	report	report	report	report	report	report
Total Suspended Solids (effluent)	N/A	report	13	13	13	1	report	report	report	report	report	report	report	report	report	report
Total Suspended Solids (influent)	N/A	report	13	13	13	1	report	report	report	report	report	report	report	report	report	report
Total Suspended Solids	N/A	report	30	45	60	6.8	report	report	report	report	report	report	report	report	report	report
% removal	85%	N/A	N/A	N/A	N/A	85%	report	report	report	report	report	report	report	report	report	report
Fecal Coliform Bacteria	97	97	97	N/A	N/A	97	report	report	report	report	report	report	report	report	report	report
Dissolved Oxygen	N/A	report	200	N/A	800	12	report	report	report	report	report	report	report	report	report	report
pH (effluent)	7.2	7.2	7.2	N/A	N/A	8	report	report	report	report	report	report	report	report	report	report
Total Residual Chlorine (effluent)	0.02	0.02	0.02	N/A	N/A	9	report	report	report	report	report	report	report	report	report	report

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NAME, TITLE OF PRINCIPAL EXECUTIVE OFFICER: Nathan D. McCombs, QA Manager
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: Nathan D. McCombs
 DATE: 8-10-11
 COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE):
 CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD: 957 586 0393
 THE EPHONE