

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska

November 2005

EPA REPORT

EPA REPORT		WEATHER		FLOWS		INFLUENT						EFFLUENT						MISCELLANEOUS							
DAY	DATE	TEMP °F	RAIN FALL INCHES	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	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FECAL COLIFORM /100ml	Cl ₂ RESIDUAL mg/L	Cl ₂ USED LBS	Na ₂ SO ₂ USED LBS		
SUN	30	38	0.37	0.06580	0.00300																		2.68	3.10	
MON	31	39	0.00	0.06694	0.00450									6.6								0.01	4.95	4.03	
TUE	1	37	0.15	0.09504	0.00300																		4.02	3.72	
WED	2	41	0.08	0.05668	0.00300	13.1	7.0	5.8	568	394	348	242	13.6	6.6	2.7	5	3	6	5	14	0.00		3.35	4.34	
THU	3	35	0.40	0.07375	0.00300																		2.68	2.48	
FRI	4	34	0.11	0.10213	0.00300									12.7	6.4	2.2						0.03	2.68	4.34	
SAT	5	29	0.09	0.08808	0.00250																		2.01	3.10	
SUN	6	27	0.00	0.12737	0.00300																		2.01	3.10	
MON	7	33	0.20	0.06612	0.00300									12.6	6.4							0.01	4.02	3.72	
TUE	8	39	0.50	0.07653	0.00300																		4.02	3.10	
WED	9	41	0.28	0.07418	0.00300									12.8	6.5								4.02	3.10	
THU	10	36	0.17	0.11509	0.00250																		4.02	3.72	
FRI	11	31	0.00	0.08434	0.00250	13.4	8.2	5.3						11.9	6.6								2.68	2.48	
SAT	12	27	0.00	0.04655	0.00300																		4.02	2.48	
SUN	13	26	0.00	0.12660	0.00300																		4.02	3.72	
MON	14	25	0.03	0.09156	0.00000									12.1	6.2	2.9						0.00	4.02	3.72	
TUE	15	36	0.20	0.06698	0.00300																		5.36	3.72	
WED	16	43	0.54	0.08669	0.00300									12.4	6.6								4.02	4.34	
THU	17	45	1.18	0.08778	0.00250																		2.68	5.58	
FRI	18	46	2.51	0.11767	0.00250									6.7									1.34	7.75	
SAT	19	43	0.31	0.08220	0.00250																		4.02	4.03	
SUN	20	41	0.64	0.08252	0.00250																		2.01	4.34	
MON	21	45	3.45	0.11925	0.00300	11.6	6.8	7.3						12.2	6.5							0.00	2.01	4.96	
TUE	22	52	1.79	0.11852	0.00250																		2.68	6.20	
WED	23	49	0.51	0.10556	0.00250									12.4	6.3								0.01	3.35	6.82
THU	24	48	0.21	0.07051	0.00250																		4.02	4.96	
FRI	25	39	0.32	0.07476	0.00300									6.4									0.40	2.68	5.27
SAT	26	31	0.00	0.05844	0.00300																		1.34	2.48	
SUN	27	30	0.00	0.06174	0.00300																		2.01	2.48	
MON	28	24	0.00	0.07527	0.00250									11.8	6.5								0.03	3.35	4.96
TUE	29	23	0.00	0.06857	0.00250																		2.68	4.34	
WED	30	20	0.00	0.06873	0.00250									11.9	6.6								0.39	3.35	3.72
THU	1	16	0.00	0.07790	0.00250																		4.02	4.34	
FRI	2	16	0.00	0.07740	0.00250									11.6	6.7								0.33	10.05	7.44
SAT	3	23	0.16	0.05558	0.00250																		2.01	2.48	
TOTAL			1.37	2.91283	0.09550																		118.18		
MAXIMUM		68	0.41	0.12737	0.00450	13.4	8.2	7.3	568	394	348	242	13.6	6.7	2.9	4.6	3.2	6.5	4.5	14	0.40		10.05	7.75	
MINIMUM		46	0.00	0.04655	0.00000	11.6	6.8	5.3	568	394	348	242	11.6	6.2	2.2	4.6	3.2	6.5	4.5	14	0.00		1.34	2.48	
AVERAGE		57.9	0.00	0.08322	0.00273	12.7	7.3	6.1	568	394	348	242	12.3	6.5	2.6	4.6	3.2	6.5	4.5	14	0.08		3.38	4.13	

NO. OF ANALYSIS 35

COMMENTS:

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

* SEE ENCLOSED VIOLATION LETTERS

WEEK	WEEKLY AVERAGE						WEEKLY COLIFORM Geo. Mean
	BOD		TSS		CHLORINE		
	mg/l	lbs	mg/l	lbs	mg/l	lbs	
1	6.5	4.5	4.6	3.2	0.01	3.20	14
2					0.01	3.54	
3					0.00	3.64	
4					0.14	2.58	
5					0.25	3.92	
MAX	6.5	4.5	4.6	3.2	0.25	3.92	14

%REMOVAL	
B.O.D.	98
S.S.	99

Permit number: AKG-57-1000-013	Expires: July 20, 2009	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: Scott Jeffers/WW Utilities Superintendent
Address: 155 South Seward, Juneau, AK 99801	Phone / email: (907)586-0393
Facility: Auke Bay Wastewater Treatment Facility	Onsite Contact: Cort Franklin
Location: Auke Bay, Juneau	Phone: (907)586-0393

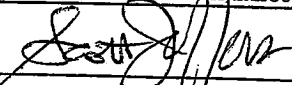
Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period	
		From: 10/30/2005	To: 12/3/2005

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		0.08322		0.12737	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		348	348	348	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		6.49	6.49	6.49	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		4.5	4.5	4.5	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	98.14					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Total Suspended Solids (influent)	Analytical Results		568	568	568	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Total Suspended Solids (effluent)	Analytical Results		4.6	4.6	4.6	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Total Suspended Solids (effluent)	Analytical Results		3.2	3.2	3.2	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	99.44					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Fecal Coliform Bacteria (effluent)	Analytical Results		14		14	0	0	#/100 ml	1/month	Grab
	Permit Limits	N/A	200	N/A	800	report	report			
Dissolved Oxygen (effluent)	Analytical Results	2.2				3	0	mg/l	1/month	Grab
	Permit Limits	2	N/A	N/A	N/A	report	report			
pH (effluent)	Analytical Results	6.2			6.7	15	0	Std. Units	3/week	Grab
	Permit Limits	6	N/A	N/A	9	report	report			
Total Residual Chlorine (effluent)	Analytical Results		0.08		0.40	15	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
Scott Jeffers WW Utilities Superintendent	 DATE: 12/8/05 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