

Permit number: AK-G-57-1000-013 Expires: July 20, 2009 Submit this report to: ADEC and EPA to the addresses on Part D
 ADEC file number: 1513.45.009 11 of the NPDES general permit.


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: Scott Jeffers/W/W Utilities Superintendent
 Phone / email: (907)586-0393
 Onsite Contact: Cort Franklin
 Phone: (907)586-0393

Required Reporting Frequency Monthly Discharge: Secondary treated wastewater discharged into Auke Bay
 Sample Period
 From: 1/30/2005
 To: 2/26/2005

Parameter	Min. Value	30 day Average	7 day Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method
Discharge 1									
Flow Rate (effluent or influent)		0.06901		0.09357	28		mgd	Daily 5/week	Measured/recorded
Biochemical Oxygen Demand (influent)	Permit Limits N/A	report 141	N/A 141	0.16 141	report 1	report 1	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Permit Limits N/A	report 6.6	report 6.6	report 6.6	report 1	report 1	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Permit Limits N/A	30	45	60	report 1	report 1	mg/l	1/month	Grab or Composite
Biochemical Oxygen Demand (effluent)	Permit Limits N/A	3.8	3.8	3.8	report 1	report 1	lbs/day	1/month	Grab or Composite
Biochemical Oxygen Demand % removal	Permit Limits 95.3	Analytical Results N/A	40	60	report 80.1	report 80.1	%	1/month	Calculated
Total Suspended Solids (influent)	Permit Limits N/A	Analytical Results 59.8	59.8	59.8	report 1	report 1	mg/l	1/month	Grab or Composite
Total Suspended Solids (effluent)	Permit Limits N/A	Analytical Results 4	4	4	report 1	report 1	mg/l	1/month	Grab or Composite
Total Suspended Solids % removal	Permit Limits 93.311	Analytical Results 40	60	80.1	report 80.1	report 80.1	lbs/day	1/month	Grab or Composite
Fecal Coliform Bacteria (effluent)	Permit Limits 85%	N/A	N/A	N/A	report 6.7	report 6.7	%	1/month	Calculated
Dissolved Oxygen (effluent)	Permit Limits 4	Analytical Results 200	N/A	800	report 1	report 1	#/100 ml	1/month	Grab
pH (effluent)	Permit Limits 2	Analytical Results 6.2	N/A	N/A	report 12	report 12	mg/l	1/month	Grab
Total Residual Chlorine (effluent)	Permit Limits 6	Analytical Results 0.07	N/A	9	report 12	report 12	Std. Units	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
 Scott Jeffers W/W Superintendent
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

 DATE 3/9/05 TELEPHONE (907) 586-0353

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENTS HERE)
 CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska

February 2005

DAY	DATE	WEATHER		FLOWS		INFLUENT						EFFLUENT						MISCELLANEOUS					
		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 /100 ml	Cl ₂ RESIDUAL mg/L	Cl ₂ USED LBS	Na ₂ SO ₃ USED LBS
SUN	30	37	0.57	0.09357	0.00250																	2.01	6.82
MON	31	38	0.13	0.06680	0.00400								6.8								0.04	2.68	6.20
TUE	1	31	0.79	0.08026	0.00250																	6.70	9.92
WED	2	30	0.15	0.07473	0.00300				60	34	141	81	6.7	4.0	4	2	7	4	7	0.38	2.68	6.82	
THU	3	27	0.28	0.05403	0.00250																	3.35	5.89
FRI	4	18	0.00	0.07739	0.00400								6.6								0.05	4.02	5.89
SAT	5	13	0.00	0.06746	0.00300																	1.34	4.96
SUN	6	11	0.00	0.05652	0.00400																	1.34	6.20
MON	7	28	0.27	0.07359	0.00400								6.4								0.02	2.01	4.34
TUE	8	36	0.79	0.07008	0.00250																	6.70	8.06
WED	9	37	0.35	0.08467	0.00400								6.8								0.05	1.34	8.68
THU	10	38	0.27	0.07606	0.00400																	2.68	6.20
FRI	11	35	0.17	0.07274	0.00250								6.6								0.02	3.35	7.44
SAT	12	26	0.17	0.06169	0.00250																	1.34	5.58
SUN	13	22	0.00	0.06727	0.00250																	1.34	6.20
MON	14	26	0.01	0.04572	0.00250								6.6								0.03	2.01	6.20
TUE	15	32	0.08	0.06443	0.00300																	3.35	8.68
WED	16	37	0.08	0.06888	0.00250								6.6								0.01	2.68	8.06
THU	17	35	0.05	0.06309	0.00250																	2.68	6.82
FRI	18	35	0.05	0.06276	0.00300								6.6								0.25	4.69	6.20
SAT	19	27	0.00	0.05005	0.00300																	0.67	1.86
SUN	20	32	0.00	0.06172	0.00250																	2.01	6.20
MON	21	34	0.09	0.06541	0.00300								6.2								0.01	2.01	5.27
TUE	22	35	0.86	0.08372	0.00300																	2.68	7.44
WED	23	36	0.78	0.08812	0.00400								6.6								0.00	1.34	8.68
THU	24	37	0.13	0.06410	0.00400																	1.34	7.44
FRI	25	36	0.02	0.06833	0.00400								6.6								0.01	3.35	6.82
SAT	26	37	0.21	0.06909	0.00200																	2.01	3.10
TOTAL			6.30	1.93228	0.08650																	73.70	
MAXIMUM		38	0.86	0.09357	0.00400	0.0	0.0	0.0	60	34	141	81	0.0	6.8	4.0	4	2	7	4	7	0.38	6.70	9.92
MINIMUM		11	0.00	0.04572	0.00200	0.0	0.0	0.0	60	34	141	81	0.0	6.2	4.0	4	2	7	4	7	0.00	0.67	1.86
AVERAGE		30.92857	0.23	0.06901	0.00309	#DIV/0!	#DIV/0!	#DIV/0!	60	34	141	81	#DIV/0!	6.6	4.0	4	2	7	4	7	0.07	2.63	6.50

NO. OF ANALYSIS

28

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COMMENTS:

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

WEEK	WEEKLY AVERAGE						WEEKLY	
	BOD		TSS		CHLORINE		COLIFORM	
	mg/l	lbs	mg/l	lbs	mg/l	lbs	Geo. Mean	
1	6.6	3.8	4.0	2.3	0.1567	3.3	6.7	
2					0.0300	2.7		
3					0.0967	2.5		
4					0.0067	2.1		
MAX	6.6	3.82	4	2	0.1567	3	7	

% REMOVAL	
B.O.D.	95
S.S.	93