

Permit number: AK-G-57-1000-013 Expires: July 20, 2009 Submit this report to: ADEC and EPA to the addresses on Part III B of the NPDES general permit.  
 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, AK  
 Responsible party: Scott Jeffers/VW Utilities Superintendent  
 Phone / email: (907)586-0393  
 Onsite Contact: Rico Tempel  
 Phone: (907)586-0393

Required Reporting Frequency: Monthly  
 Discharge: Secondary treated wastewater discharged into Auke Bay  
 From: 7/30/2006  
 To: 9/2/2006  
 Sample Period

**Outfall 001**

Parameter	Min. Value	Monthly Average	Weekly Average	Max. Value	Number of Analyses	Number of Violations	Units	Frequency of Analysis	Sample Method
Dissolved Oxygen (effluent)	00300 I	Results	4.7		1	0	mg/l	1/month	Grab
		Limits	2.0	N/A	N/A	1	0	mg/l	1/month
Biochemical Oxygen Demand (influent)	00310 G	Results	128	128	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	report	report	1	0	mg/l	1/month
Biochemical Oxygen Demand (effluent)	00310 W	Results	4.1	4.1	1	0	lbs/day	1/month	Grab or Composite
		Limits	N/A	40	60	1	0	mg/l	1/month
Biochemical Oxygen Demand (effluent)	00310 W	Results	6.8	6.8	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	30	45	1	0	mg/l	1/month
pH (effluent)	00400 I	Results	6.4		15	0	Std. Units	3/week	Grab
		Limits	6.0	N/A	9.0	1	0	mg/l	1/month
Total Suspended Solids (effluent)	00530 G	Results	92	92	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	report	report	1	0	mg/l	1/month
Total Suspended Solids (effluent)	00530 W	Results	3.0	3.0	1	0	lbs/day	1/month	Grab or Composite
		Limits	N/A	40	60	1	0	mg/l	1/month
Total Suspended Solids (effluent)	00530 I	Results	5.0	5.0	1	0	mg/l	1/month	Grab or Composite
		Limits	N/A	30	45	1	0	#/100 ml	1/month
Fecal Coliform Bacteria (effluent)	31616 I	Results	2.0	2.0	1	0	mg/l	1/month	Grab
		Limits	N/A	200	400	1	0	mg/l	1/month
Flow Rate (effluent or influent)	50050 I	Results	0.0790	0.0808	35	0	mgd	Daily/5week	Measured/recorded
		Limits	N/A	report	report	15	0	mg/l	3/week
Total Residual Chlorine (effluent)	50060 I	Results	0.08		15	0	mg/l	3/week	Grab
		Limits	N/A	0.50	N/A	1.0	0	mg/l	1/month
Biochemical Oxygen Demand % removal	81010 K	Results	94.7		0	0	%	1/month	Calculated
		Limits	85%	N/A	N/A	0	0	%	1/month
Total Suspended Solids % removal	81011 K	Results	96.7		0	0	%	1/month	Calculated
		Limits	85%	N/A	N/A	0	0	%	1/month

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, WW Superintendent  
 SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT: *Scott Jeffers*  
 DATE: 9/6/06  
 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

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

August 2006

**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 /100 ml	Cl <sub>2</sub> RESIDUAL mg/L	Cl <sub>2</sub> USED LBS	Na <sub>2</sub> SO <sub>2</sub> USED LBS		
SUN	30	57	0.04	0.06167	0.0015																		2.68	3.10	
MON	31	53	0.40	0.07270	0.0025									6.5								0.00	4.02	6.20	
TUE	1	56	0.05	0.07182	0.0025				92	55	128	77				5.0	3.0	6.8	4.1				6.03	7.13	
WED	2	53	0.37	0.07329	0.0025	17.1	6.9	5.2					15.9	6.5	4.7						2.0	0.28	3.35	4.65	
THU	3	54	0.22	0.07792	0.0025																			6.70	4.34
FRI	4	52	0.52	0.11660	0.0025									6.4								0.01	3.35	3.72	
SAT	5	52	1.23	0.09082	0.0015																		2.68	2.48	
SUN	6	51	0.29	0.08124	0.0015																		4.02	3.10	
MON	7	51	0.03	0.07810	0.0025									6.5								0.00	6.70	6.82	
TUE	8	52	0.88	0.08823	0.0025																		6.70	4.34	
WED	9	54	0.26	0.07335	0.0020									6.7								0.53	8.71	7.44	
THU	10	54	0.03	0.07827	0.0025																		4.02	4.34	
FRI	11	53	0.13	0.08676	0.0025									6.4								0.35	1.34	3.72	
SAT	12	53	0.33	0.07700	0.0015																		4.02	2.48	
SUN	13	53	0.76	0.08830	0.0015																		8.04	4.34	
MON	14	55	0.01	0.06488	0.0015									6.6								0.00	4.02	6.82	
TUE	15	54	0.13	0.07006	0.0025																		4.02	6.82	
WED	16	53	0.21	0.07242	0.0025									6.4								0.01	3.35	8.48	
THU	17	54	1.11	0.10421	0.0025																		4.69	7.44	
FRI	18	54	0.29	0.09198	0.0025									6.4								0.01	0.67	6.20	
SAT	19	55	0.06	0.07364	0.0015																		0.67	3.10	
SUN	20	56	0.00	0.07249	0.0015																		2.01	4.34	
MON	21	52	0.36	0.06360	0.0045									6.5								0.01	1.34	6.82	
TUE	22	58	0.09	0.07599	0.0025																		2.68	5.27	
WED	23	54	0.82	0.08664	0.0025									6.4								0.01	1.34	4.96	
THU	24	53	0.19	0.08359	0.0025																		0.67	6.20	
FRI	25	53	0.48	0.08744	0.0025									6.4								0.01	0.67	3.41	
SAT	26	53	0.00	0.06625	0.0015																		8.04	3.10	
SUN	27	51	0.43	0.08080	0.0015																		12.05	4.03	
MON	28	52	0.02	0.06855	0.0030									6.4								0.01	6.03	6.20	
TUE	29	53	0.12	0.06653	0.0030																		4.69	5.58	
WED	30	53	0.17	0.05999	0.0030									6.6								0.01	4.02	3.10	
THU	31	53	1.43	0.07917	0.0025																		2.01	2.79	
FRI	1	55	1.89	0.10880	0.0025									6.5									4.69	3.72	
SAT	2	52	0.03	0.07221	0.0015																		2.01	2.17	
TOTAL			7.08	2.76531	0.0795																		142.03	168.75	
MAXIMUM		60	1.09	0.11660	0.0045	17.1	6.9	5.2	92	55	128	77	15.9	6.7	4.7	5.0	3.0	6.8	4.1	2.0	0.53	12.05	8.48		
MINIMUM		37	0.00	0.05999	0.0015	17.1	6.9	5.2	92	55	128	77	15.9	6.4	4.7	5.0	3.0	6.8	4.1	2.0	0.00	0.67	2.17		
AVERAGE		48	0.20	0.07901	0.0023	17.1	6.9	5.2	92	55	128	77	15.9	6.5	4.7	5.0	3.0	6.8	4.1	2.0	0.08	4.06	4.82		

35

1 1 1 1

1

15.0 1.0 1.0 1 1 1

15

**COMMENTS:**

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

WEEK	FLOW	WEEKLY AVERAGE								WEEKLY COLIFORM Geo. Mean
		BOD		TSS		CHLORINE		COLIFORM		
		mg/l	lbs	mg/l	lbs	mg/l	lbs			
1	0.08069	6.8	4.1	5.0	3.0	0.10	4.12	2.0		
2	0.08042					0.29	5.07			
3	0.08078					0.01	3.64			
4	0.07657					0.01	2.39			
5	0.07658					0.01	5.07			
MAX	0.08078	6.8	4.1	5.0	3.0	0.29	5.07	2.0		

% REMOVAL	
B.O.D.	94.7
S.S.	96.7