

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: Rico Tempel
Location: Auke Bay, Juneau	Phone: (907)586-0393

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

**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							mg/l	Upon request by ADEC	Grab
	Permit Limits	6	N/A	N/A	17	report	report			
pH	Analytical Results							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							mg/l	Twice per year - 2/year	Grab
	Permit Limits	N/A	N/A	N/A	0.0075	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		
Nathan D. McCombs QA manager	<i>Nathan D. McCombs</i>	7-8-11	(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			

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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:

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)	Estm'd/ Measure		0.0586575		0.0818	28				
	Permit Limits	N/A	report	N/A	0.16	report	report	mgd	Daily 5/week	Measured/ recorded
Biochemical Oxygen Demand (influent)	Analytical Results		330	330	330	1		mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		11	11	11	1		mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		4.4062722	4.4062722	4.4062722	1		lbs/day	1/month	Grab or Composite
	Permit Limits	N/A	40	60	80.1	report	report			
Biochemical Oxygen Demand % removal	Analytical Results	96.6667								
	Permit Limits	85%	N/A	N/A	N/A	report	report	%	1/month	Calculated
Total Suspended Solids (influent)	Analytical Results		232	232	232	1		mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Total Suspended Solids (effluent)	Analytical Results		4	4	4	1		mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Total Suspended Solids (effluent)	Analytical Results		1.6022808	1.6022808	1.6022808	1		lbs/day	1/month	Grab or Composite
	Permit Limits	N/A	40	60	80.1	report	report			
Total Suspended Solids % removal	Analytical Results	98.2759								
	Permit Limits	85%	N/A	N/A	N/A	report	report	%	1/month	Calculated
Fecal Coliform Bacteria (effluent)	Analytical Results		13		13	1		#/100 ml	1/month	Grab
	Permit Limits	N/A	200	N/A	800	report	report			
Dissolved Oxygen (effluent)	Analytical Results	3.28				11		mg/l	1/month	Grab
	Permit Limits	2	N/A	N/A	N/A	report	report			
pH (effluent)	Analytical Results	7.3			7.9	11		Std. Units	3/week	Grab
	Permit Limits	6	N/A	N/A	9	report	report			
Total Residual Chlorine (effluent)	Analytical Results		0.0416667		0.17	12		mg/l	3/week	Grab
	Permit Limits	N/A	0.5	N/A	1	report	report			

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Nathan D. McCombs QA manager		7-8-11	(907) 586-0393
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE)		DATE	TELEPHONE

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

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY  
Juneau, Alaska

June 2011

FLOWS													INFLUENT													EFFLUENT													MISCELLANEOUS												
DAY	DATE	INFLUENT MGD	WASTE SLUDGE MGD	TEMP	pH	DO mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	TEMP	pH	DO mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FECAL COLIFORM /100 ml	CI RESIDUAL mg/L	CI USED LBS	NO.200 TSS LBS																														
SUN	29	0.05586	0.00300	11.9	8.3	7.1					14.1	7.7	3.8						0.00	0.00	4.02	8.99																													
MON	30	0.06078	0.00200								13.9	7.5	3.7						0.00	0.00	4.02	8.06																													
TUE	31	0.06388	0.00250								14.1	7.4	3.8						0.00	0.00	2.01	8.37																													
WED	1	0.05698	0.00250	12.1	8.4	7.3					14.1	7.4	3.8						0.00	0.00	3.35	6.20																													
THU	2	0.05191	0.00250								14.1	7.4	3.8						0.14	2.68	13.02	5.58																													
FRI	3	0.05324	0.00250	12.3	8.3	7.7					14.4	7.5	3.3						0.00	2.68	2.01	5.58																													
SAT	4	0.05487	0.00250								14.1	7.4	3.8						0.00	2.68	8.06	6.51																													
SUN	5	0.06195	0.00250								14.4	7.5	3.3						0.00	3.35	3.35	8.06																													
MON	6	0.04820	0.00250	13.0	8.2	6.6					14.1	7.4	3.8						0.12	4.02	7.44	3.72																													
TUE	7	0.05793	0.00250								15.0	7.7	3.8						0.00	1.34	3.10	3.10																													
WED	8	0.04803	0.00250	13.5	8.3	5.3	232	93	390	132	14.1	7.8	3.7	4	2	11	4	0.00	1.34	3.10	3.72																														
THU	9	0.05441	0.00250								15.0	7.7	3.8						0.00	0.67	3.41	3.41																													
FRI	10	0.06513	0.00200	11.8	8.1	5.9					15.8	7.7	3.7						0.00	3.35	4.34	4.34																													
SAT	11	0.05042	0.00300								15.8	7.7	3.7						0.00	3.35	7.13	4.68																													
SUN	12	0.06206	0.00300								13.8	7.9	3.3						0.00	2.01	8.37	7.13																													
MON	13	0.04952	0.00450	14.3	8.7	6.2					13.8	7.9	3.3						0.00	1.34	5.58	5.58																													
TUE	14	0.06797	0.00300								15.1	7.9	3.3						0.00	1.34	5.58	5.58																													
WED	15	0.06403	0.00250	12.8	8.2	6.2					15.2	7.8	3.5						0.00	1.34	5.58	5.58																													
THU	16	0.06662	0.00250								15.2	7.8	3.5						0.00	1.34	5.58	5.58																													
FRI	17	0.06030	0.02500																0.07	1.34	5.58	5.58																													
SAT	18	0.05934	0.02500																0.07	0.67	3.10	3.10																													
SUN	19	0.08180	0.02500																0.17	2.01	1.88	1.88																													
MON	20	0.04946	0.02500	13.1	7.6	5.5					16.7	7.3	4.9						0.00	0.00	0.00	0.00																													
TUE	21	0.05134	0.00450								16.7	7.3	4.9						0.17	1.34	5.58	5.58																													
WED	22	0.06789	0.00300	14.0	9.0	5.7					15.1	7.9	3.3						0.00	1.34	5.58	5.58																													
THU	23	0.05923	0.00300								15.1	7.9	3.3						0.00	1.34	5.58	5.58																													
FRI	24	0.06083	0.00300	13.7	8.7	6.3					15.2	7.8	3.5						0.00	1.34	5.58	5.58																													
SAT	25	0.05982	0.00450																0.00	2.01	2.01	2.01																													
TOTAL		1.84241	0.41030																		62.30	4.98																													
MAXIMUM		0.09180	0.25000	14.3	9.0	7.7	232	93	330	132	16.7	7.9	4.9	4	2	11	4		0.17	4.08	13.02	13.02																													
MINIMUM		0.04803	0.00000	11.9	7.6	5.3	232	93	330	132	13.8	7.3	3.3	4	2	11	4		0.00	0.00	0.00	0.00																													
AVERAGE		0.05666	0.01484	13.0	8.3	6.3	232	93	330	132	14.7	7.7	3.7	4	2	11	4		0.04	2.23	5.86	5.86																													
NO OF ANALYSES		28	28	11	11	11	1	1	1	1	11	11	1	1	1	1	1				12																														
COMMENTS																							% REMOVAL																												
GEOMETRIC MEAN WAS USED TO CALCULATE THE AVERAGE FECAL COLIFORM COLONIES																							BOD	97																											
																							SS	98																											