

EPA REPORT
AUKE BAY WASTEWATER TREATMENT FACILITY
Juneau, Alaska
December 2011

DAY	DATE	FLOWS										INFLUENT										EFFLUENT										MISCELLANEOUS			
		MGD	MGD	MGD	TEMP °C	PH	D.O. mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	TEMP °C	PH	D.O. mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	TEMP °C	PH	D.O. mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FECCAL COLIFORM /100 ml	Cl RESIDUAL mg/L	Cl USED LBS	Na2SO2 USED LBS						
SUN	27	0.060	0.0030	0.0030	10.8	7.9	6.3				12.1	7.5	3.9					11.9	7.3	3.6	2	2	2	8	6	34	0.00	3.35	5.58						
MON	28	0.069	0.0030	0.0030	10.8	7.9	6.3				12.1	7.5	3.9					11.9	7.3	3.6	2	2	2	8	6	34	0.00	3.35	5.58						
TUE	29	0.066	0.0030	0.0030	10.9	7.8	5.7	272	206	470	355	11.9	7.3	3.6	2	2	2	8	6	34	2	2	2	8	6	34	0.00	3.35	5.58						
WED	30	0.081	0.0030	0.0030	10.9	7.8	5.7	272	206	470	355	11.9	7.3	3.6	2	2	2	8	6	34	2	2	2	8	6	34	0.00	3.35	5.58						
THU	1	0.099	0.0030	0.0030	7.8	8.4	7.6				7.3	3.8	11.0					7.3	3.8	3.0	2	2	2	8	6	34	0.00	2.01	4.85						
FRI	2	0.108	0.0030	0.0030	7.8	8.4	7.6				7.3	3.8	11.0					7.3	3.8	3.0	2	2	2	8	6	34	0.00	2.01	4.85						
SAT	3	0.097	0.0030	0.0030	7.8	8.4	7.6				7.3	3.8	11.0					7.3	3.8	3.0	2	2	2	8	6	34	0.00	2.01	4.85						
SUN	4	0.107	0.0030	0.0030	7.4	8.3	9.1				10.7	7.1	4.1					10.7	7.1	4.1	2	2	2	8	6	34	0.00	3.35	8.06						
MON	5	0.078	0.0030	0.0030	7.4	8.3	9.1				10.7	7.1	4.1					10.7	7.1	4.1	2	2	2	8	6	34	0.00	3.35	8.06						
TUE	6	0.078	0.0030	0.0030	7.4	8.3	9.1				10.7	7.1	4.1					10.7	7.1	4.1	2	2	2	8	6	34	0.00	3.35	8.06						
WED	7	0.071	0.0030	0.0030	10.2	8.4	7.6				10.1	7.2	4.7					10.1	7.2	4.7	2	2	2	8	6	34	0.00	2.01	3.10						
THU	8	0.069	0.0030	0.0030	10.2	8.4	7.6				10.3	7.2	4.0					10.3	7.2	4.0	2	2	2	8	6	34	0.00	2.01	3.10						
FRI	9	0.088	0.0045	0.0045	8.8	7.1	8.2				10.3	7.2	4.0					10.3	7.2	4.0	2	2	2	8	6	34	0.00	2.01	3.10						
SAT	10	0.071	0.0045	0.0045	8.8	7.1	8.2				10.3	7.2	4.0					10.3	7.2	4.0	2	2	2	8	6	34	0.00	2.01	3.10						
SUN	11	0.071	0.0045	0.0045	8.8	7.1	8.2				10.3	7.2	4.0					10.3	7.2	4.0	2	2	2	8	6	34	0.00	2.01	3.10						
MON	12	0.075	0.0045	0.0045	9.9	7.6	7.0				11.8	7.2	3.5					11.8	7.2	3.5	2	2	2	8	6	34	0.00	2.01	3.35						
TUE	13	0.087	0.0030	0.0030	10.4	7.6	7.9				10.4	7.2	4.6					10.4	7.2	4.6	2	2	2	8	6	34	0.00	2.01	2.79						
WED	14	0.085	0.0030	0.0030	10.4	7.6	7.9				10.4	7.2	4.6					10.4	7.2	4.6	2	2	2	8	6	34	0.00	2.01	2.79						
THU	15	0.083	0.0030	0.0030	10.9	7.6	5.7				12.1	7.1	3.3					12.1	7.1	3.3	2	2	2	8	6	34	0.01	1.34	2.48						
FRI	16	0.088	0.0030	0.0030	10.9	7.6	5.7				12.1	7.1	3.3					12.1	7.1	3.3	2	2	2	8	6	34	0.01	1.34	2.48						
SAT	17	0.057	0.0015	0.0015	9.1	7.7	7.4				12.2	7.2	4.4					12.2	7.2	4.4	2	2	2	8	6	34	0.00	1.34	7.44						
SUN	18	0.062	0.0015	0.0015	9.1	7.7	7.4				12.2	7.2	4.4					12.2	7.2	4.4	2	2	2	8	6	34	0.00	1.34	7.44						
MON	19	0.082	0.0015	0.0015	10.4	6.9	7.8				12.2	7.1	4.1					12.2	7.1	4.1	2	2	2	8	6	34	0.00	0.87	6.51						
TUE	20	0.080	0.0015	0.0015	10.4	6.9	7.8				12.2	7.1	4.1					12.2	7.1	4.1	2	2	2	8	6	34	0.00	0.87	6.51						
WED	21	0.085	0.0015	0.0015	9.9	7.7	7.2				12.0	7.0	4.3					12.0	7.0	4.3	2	2	2	8	6	34	0.00	1.34	2.48						
THU	22	0.071	0.0030	0.0030	10.1	7.8	7.1				12.1	6.9	4.5					12.1	6.9	4.5	2	2	2	8	6	34	0.00	2.01	2.79						
FRI	23	0.086	0.0015	0.0015	10.1	7.8	7.1				12.1	6.9	4.5					12.1	6.9	4.5	2	2	2	8	6	34	0.00	2.01	2.79						
SAT	24	0.081	0.0015	0.0015	10.1	7.8	7.1				12.1	6.9	4.5					12.1	6.9	4.5	2	2	2	8	6	34	0.00	2.01	2.79						
SUN	25	0.085	0.0015	0.0015	10.1	7.8	7.1				12.1	6.9	4.5					12.1	6.9	4.5	2	2	2	8	6	34	0.00	2.01	2.79						
MON	26	0.080	0.0015	0.0015	7.3	7.9	7.3				11.2	7.1	3.0					11.2	7.1	3.0	2	2	2	8	6	34	0.00	2.01	8.99						
TUE	27	0.046	0.0030	0.0030	7.3	7.9	7.3				11.5	7.1	3.5					11.5	7.1	3.5	2	2	2	8	6	34	0.00	2.01	8.68						
WED	28	0.051	0.0000	0.0000	9.8	7.7	6.5				11.5	7.1	3.5					11.5	7.1	3.5	2	2	2	8	6	34	0.00	1.34	2.48						
THU	29	0.048	0.0015	0.0015	9.5	7.8	7.2				11.2	7.0	3.3					11.2	7.0	3.3	2	2	2	8	6	34	0.00	1.39	2.17						
FRI	30	0.051	0.0015	0.0015	9.5	7.8	7.2				11.2	7.0	3.3					11.2	7.0	3.3	2	2	2	8	6	34	0.00	2.01	2.48						
SAT	31	0.053	0.0015	0.0015	9.5	7.8	7.2				11.2	7.0	3.3					11.2	7.0	3.3	2	2	2	8	6	34	0.00	2.01	2.48						
TOTAL		2.404	0.0855	0.0855	10.9	8.4	9.1	272	206	470	355	12.2	7.5	11.0	2	2	2	8	6	34	2	2	2	8	6	34	0.17	73.73	20.15						
MAXIMUM		0.108	0.0045	0.0045	7.3	6.9	5.7	272	206	470	355	7.3	3.8	3.0	2	2	2	8	6	34	2	2	2	8	6	34	0.00	0.87	2.01						
MINIMUM		0.046	0.0000	0.0000	9.8	7.8	7.2	272	206	470	355	11.2	6.9	4.4	2	2	2	8	6	34	2	2	2	8	6	34	0.02	2.11	6.87						
AVERAGE		0.069	0.0024	0.0024	9.8	7.8	7.2	272	206	470	355	11.2	6.9	4.4	2	2	2	8	6	34	2	2	2	8	6	34	0.02	2.11	6.87						
NO. OF ANALYSIS		35	35	35	18	18	18	1	1	1	1	18	18	18	1	1	1	1	18	18	18	1	1	1	1	1	35	35	35						

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

WEEK	BOD		TSS		CHLORINE		WEEKLY COLIFORM	
	mg/L	lbs	mg/L	lbs	mg/L	lbs	Gap	Misc
1	8	8	34	34	0.04	2.38	34	
2					0.02	2.78		
3					0.01	2.01		
4					0.00	1.63		
5					0.01	1.73		
MAX	8	8	34	34	0.04	2.78	34	

% REMOVAL	
BOD	98
SS	89

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: 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: Nathan McCombs
Location: Auke Bay, Juneau	Phone: (907)586-0760

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period		
		From:	11 27	2011
		To:	12 31	2011

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		0.069		0.108	35			
	Permit Limits	N/A	report	N/A	0.16	report	report	mgd	Daily 5/week
Biochemical Oxygen Demand (influent)	Analytical Results		470	470	470	1			Measured/recorded
	Permit Limits	N/A	report	report	report	report	report	mg/l	1/month
Biochemical Oxygen Demand (effluent)	Analytical Results		8	8	8	1			Grab or Composite
	Permit Limits	N/A	30	45	60	report	report	mg/l	1/month
Biochemical Oxygen Demand (effluent)	Analytical Results		6	6	6	1			Grab or Composite
	Permit Limits	N/A	40	60	80.1	report	report	lbs/day	1/month
Biochemical Oxygen Demand % removal	Analytical Results		98						Grab or Composite
	Permit Limits	85%	N/A	N/A	N/A	report	report	%	1/month
Total Suspended Solids (influent)	Analytical Results		272	272	272	1			Calculated
	Permit Limits	N/A	report	report	report	report	report	mg/l	1/month
Total Suspended Solids (effluent)	Analytical Results		2	2	2	1			Grab or Composite
	Permit Limits	N/A	30	45	60	report	report	mg/l	1/month
Total Suspended Solids (effluent)	Analytical Results		2	2	2	1			Grab or Composite
	Permit Limits	N/A	40	60	80	report	report	lbs/day	1/month
Total Suspended Solids % removal	Analytical Results		99						Grab or Composite
	Permit Limits	85%	N/A	N/A	N/A	report	report	%	1/month
Fecal Coliform Bacteria (effluent)	Analytical Results		34		34	1			Calculated
	Permit Limits	N/A	200	N/A	800	report	report	#/100 ml	1/month
Dissolved Oxygen (effluent)	Analytical Results		3.0			16			Grab
	Permit Limits	2.0	N/A	N/A	N/A	report	report	mg/l	1/month
pH (effluent)	Analytical Results		3.8		7.5	16			Grab
	Permit Limits	6	N/A	N/A	9	report	report	Std. Units	3/week
Total Residual Chlorine (effluent)	Analytical Results		0.02		0.17	35			Grab
	Permit Limits	N/A	0.5	N/A	1	report	report	mg/l	3/week

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 McCombs			
	DATE	TELEPHONE	
	1/10/2012	907	586 0760

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 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: Nathan McCombs
Location: Auke Bay, Juneau	Phone: (907)586-0760

Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period			
		From:	11	27	2011
		To:	12	31	2011

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	6.0	N/A	N/A	17.0	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			

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NAME, TITLE OF PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL, EXECUTIVE OFFICER OR AUTHORIZED AGENT			
Nathan McCombs		1/10/2011	907	586 0760
COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE)		DATE	TELEPHONE	
CHECK HERE IF THERE WAS NO DISCHARGE DURING THE ENTIRE REPORTING PERIOD				