

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

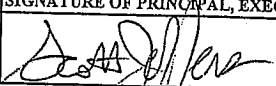
Required Reporting Frequency Monthly	Discharge: Secondary treated wastewater discharged into Auke Bay	Sample Period	
		From: 4/2/2006	To: 4/29/2006

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)	Estmt' d/ Measure		0.06222		0.08031	28	0	mgd	Daily 5/week	Measured/ recorded
	Permit Limits	N/A	report	N/A	0.16	report	report			
Biochemical Oxygen Demand (influent)	Analytical Results		182	182	182	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		9.9	9.9	9.9	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Biochemical Oxygen Demand (effluent)	Analytical Results		5.1	5.1	5.1	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	94.6					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Total Suspended Solids (influent)	Analytical Results		188	188	188	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	report	report	report	report	report			
Total Suspended Solids (effluent)	Analytical Results		8.0	8.0	8.0	1	0	mg/l	1/month	Grab or Composite
	Permit Limits	N/A	30	45	60	report	report			
Total Suspended Solids (effluent)	Analytical Results		4.1	4.1	4.1	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	95.7					0	%	1/month	Calculated
	Permit Limits	85%	N/A	N/A	N/A	report	report			
Fecal Coliform Bacteria (effluent)	Analytical Results		48.0		48.0	1	0	#/100 ml	1/month	Grab
	Permit Limits	N/A	200	N/A	800	report	report			
Dissolved Oxygen (effluent)	Analytical Results	4.8				1	0	mg/l	1/month	Grab
	Permit Limits	2	N/A	N/A	N/A	report	report			
pH (effluent)	Analytical Results	6.5			6.9	11	0	Std. Units	3/week	Grab
	Permit Limits	6	N/A	N/A	9	report	report			
Total Residual Chlorine (effluent)	Analytical Results		0.23		0.83	12	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 Superintendent	
	5/8/06 DATE
	(907) 586-0393 TELEPHONE

COMMENT AND EXPLANATION OF ANY VIOLATIONS (REFERENCE ALL ATTACHMENT HERE)

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



CITY/BOROUGH OF JUNEAU
ALASKA'S CAPITAL CITY

Date: May 5, 2006
Re: Permit communication
Permit: AK-002295-1

David Domingo
Environmental Protection Agency
NPDES Compliance Unit, OW-133.
1200 Sixth Avenue
Seattle, WA. 98101

CERTIFIED MAIL # 7003 2260 0007 2179 9405

Mr. Domingo,

This letter is to follow up on the message I left on the EPA non-compliance hotline today regarding a permit violation of the Mendenhall WWTP (MWWTP) today.

The effluent pH was 6.2, which is lower then the permit limit of 6.5.

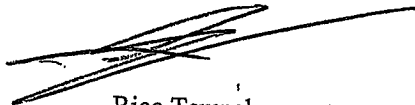
We think that the cause of this excursion is the low pH of the influent over the last 3 days (ranging from 6.4 to 6.8), coupled with high dissolved oxygen levels in the SBR tanks during the react cycle, which can result in a lower pH of the activated sludge.

We have lowered the dissolved oxygen levels in the SBR tanks in an attempt to increase the pH of the activated sludge, and the pH of influent has come up slightly today.

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SE 18 USC 1001 AND 22 USC 1319 (PENALTIES UNDER THESE STATUTES MAY INCLUDE FINES UP TO \$10,000 AND OR MAXIMUM IMPRISONMENT OF BETWEEN 5 MONTHS AND SIX YEARS)

If you have any question or concerns please call me at (907) 586-0393

Sincerely



Rico Tempel
Mendenhall & Auke Bay W/W Treatment Plants Sr. Operator

Cc: Shawn Stokes, ADEC
Joe Buck, Public Works Director, CBJ
Scott Jeffers, WW Superintendent, CBJ ✓
File
DMR

AUKE BAY WASTEWATER TREATMENT FACILITY

Juneau, Alaska

April 2006

EPA REPORT

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	2	41	0.03	0.05798	0.0025																	2.68	3.10
MON	3	38	0.00	0.07221	0.0025							10.6	6.6								0.60	3.35	4.34
TUE	4	37	0.06	0.05507	0.0025				188	97	182	94				8.0	4.1	9.9	5.1			3.35	5.58
WED	5	42	0.00	0.06094	0.0025	9.1	7.2	6.9					10.9	6.6	4.8				48.0	0.12		2.68	3.10
THU	6	36	0.06	0.06525	0.0025																	2.68	3.41
FRI	7	44	0.00	0.05995	0.0030								6.5								0.47	1.62	3.72
SAT	8	43	0.01	0.06036	0.0025																	0.67	0.62
SUN	9	42	0.17	0.04827	0.0020																	2.01	3.10
MON	10	41	0.15	0.07156	0.0025								10.7	6.6							0.02	2.68	3.72
TUE	11	39	0.00	0.06042	0.0030																	0.67	2.48
WED	12	35	0.17	0.06378	0.0035								6.5								0.01	2.01	3.41
THU	13	39	0.40	0.06556	0.0035																	1.34	2.48
FRI	14	37	0.00	0.06121	0.0035								6.7								0.00	2.68	4.03
SAT	15	35	0.00	0.05593	0.0025																	1.34	1.86
SUN	16	37	0.01	0.05727	0.0025																	2.01	3.10
MON	17	39	0.31	0.07032	0.0025																0.00	2.68	3.72
TUE	18	36	0.18	0.05555	0.0025																	3.35	4.03
WED	19	36	0.00	0.06139	0.0025								6.6								0.64	1.34	3.41
THU	20	38	0.08	0.06460	0.0025																	1.34	4.03
FRI	21	43	0.00	0.06672	0.0025								6.6								0.01	2.01	2.79
SAT	22	41	0.74	0.05727	0.0020																	1.34	2.17
SUN	23	42	0.23	0.06380	0.0025																	0.67	2.48
MON	24	40	0.38	0.08031	0.0025								6.5								0.83	2.01	4.96
TUE	25	40	0.02	0.04914	0.0025																	2.01	3.41
WED	26	39	0.02	0.06753	0.0030								6.9								0.00	0.67	3.72
THU	27	42	0.30	0.06275	0.0025																	2.01	3.41
FRI	28	40	0.21	0.06674	0.0020								6.7								0.01	2.01	3.41
SAT	29	32	0.14	0.06031	0.0015																	0.67	1.24
TOTAL			3.67	1.74219	0.07200																	53.88	
MAXIMUM		44	0.74	0.08031	0.00350	9.1	7.2	6.9	188	97	182	94	10.9	6.9	4.8	8.0	4.1	9.9	5.1	48.0	0.83	3.35	5.58
MINIMUM		32	0.00	0.04827	0.00150	9.1	7.2	6.9	188	97	182	94	10.6	6.5	4.8	8.0	4.1	9.9	5.1	48.0	0.00	0.67	0.62
AVERAGE		39.1	0.13	0.06222	0.00257	9.1	7.2	6.9	188	97	182	94	10.7	6.6	4.8	8.0	4.1	9.9	5.1	48.0	0.23	1.92	3.24

NO. OF ANALYSIS

28

1 1 1 1

11 1 1 1 1 1 1

12

COMMENTS:

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

WEEK	WEEKLY AVERAGE						WEEKLY COLIFORM Geo. Mean
	BOD		TSS		CHLORINE		
	mg/l	lbs	mg/l	lbs	mg/l	lbs	
1	9.9	5.1	8.0	4.1	0.40	2.43	48.0
2					0.01	1.82	
3					0.22	2.01	
4					0.28	1.44	
MAX	9.9	5.1	8.0	4.1	0.40	2.43	48.0

%REMOVAL	
B.O.D.	94.6
S.S.	95.7