

EPA REPORT

AUKE BAY WASTEWATER TREATMENT FACILITY

Juneau, Alaska

May 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 <sub>2</sub> RESIDUAL mg/L	Cl <sub>2</sub> USED LBS	Na <sub>2</sub> SO <sub>3</sub> USED LBS
SUN	1	50	0.00	0.05943	0.00400																	2.01	6.82
MON	2	51	0.00	0.06537	0.00350	12.2	7.0	6.4					6.4								0.00	2.01	6.20
TUE	3	50	0.04	0.05930	0.00250																	6.70	5.58
WED	4	50	0.00	0.05472	0.00300	12.4	7.0	4.8	298	133	311	138	13.0	6.6	3.5	14	6	18	8	3	0.00	2.68	4.34
THU	5	48	0.00	0.05329	0.00300																	4.02	4.96
FRI	6	52	0.00	0.06404	0.00300	14.7	7.5	4.4					6.7								0.01	2.68	4.34
SAT	7	54	0.00	0.04939	0.00300																	2.68	4.34
SUN	8	54	0.00	0.04866	0.00350																	2.68	6.82
MON	9	56	0.00	0.04525	0.00200	12.7	7.2	6.5					6.2								0.04	2.68	2.17
TUE	10	57	0.00	0.04853	0.00300																	1.34	3.10
WED	11	56	0.00	0.05000	0.00300	14.2	7.2	5.8					6.6								0.00	2.01	2.48
THU	12	55	0.00	0.05455	0.00300																	1.34	3.10
FRI	13	54	0.06	0.06462	0.00250	12.3	6.9	4.6					6.6								0.00	2.68	4.03
SAT	14	54	0.23	0.04624	0.00300																	1.34	2.48
SUN	15	52	0.00	0.05809	0.00200																	1.34	3.72
MON	16	53	0.00	0.04678	0.00200	10.3	7.0	6.1					6.5								0.01	0.67	1.86
TUE	17	52	0.00	0.05200	0.00250																	2.01	3.72
WED	18	55	0.00	0.04790	0.00200	10.1	6.6	6.5					6.5								0.01	1.34	1.86
THU	19	50	0.03	0.05077	0.00250																	2.01	3.10
FRI	20	57	0.00	0.05662	0.00250	14.8	7.0	3.3					6.6								0.00	2.68	4.03
SAT	21	52	0.00	0.04519	0.00200																	1.34	1.55
SUN	22	54	0.00	0.04800	0.00250																	2.01	3.41
MON	23	55	0.09	0.05477	0.00250	11.3	7.0	6.5					6.4								0.00	2.01	3.72
TUE	24	51	0.00	0.05083	0.00250																	3.35	4.96
WED	25	54	0.00	0.07117	0.00250	15.6	7.2	4.7					6.7								0.00	2.68	1.86
THU	26	61	0.07	0.04198	0.00250																	2.01	2.48
FRI	27	51	0.03	0.05452	0.00250	14.9	7.3	6.2					6.8								0.01	2.68	2.79
SAT	28	53	0.02	0.05220	0.00200																	2.01	1.24
TOTAL			0.57	1.49421	0.07450																	64.99	
MAXIMUM		61	0.23	0.07117	0.00400	15.6	7.5	6.5	298	133	311	138	13.0	6.8	3.5	14	6	18	8	3	0.04	6.70	6.82
MINIMUM		48	0.00	0.04198	0.00200	10.1	6.6	3.3	298	133	311	138	13.0	6.2	3.5	14	6	18	8	3	0.00	0.67	1.24
AVERAGE		53.25	0.02	0.05336	0.00266	13.0	7.1	5.5	298	133	311	138	13.0	6.6	3.5	14	6	18	8	3	0.01	2.32	3.61

NO. OF ANALYSIS

28

1

1

1

1

12

1

1

1

1

1

1

12

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	18.2	8.1	14.3	6.4	0.0033	3.3	3.3
2					0.0133	2.0	
3					0.0067	1.6	
4					0.0033	2.4	
MAX	18.2	8.10	14	6	0.0133	3	3

%REMOVAL	
B.O.D.	94
S.S.	95