

MONTH	FLOWS			BIOCHEMICAL OXYGEN DEMAND				TOTAL SUSPENDED SOLIDS			
	TOTAL X1000m3	AVG.DAY X1000m3	MAX DAY X1000m3	BOD5 INF 24HR COMP mg/L	* CBOD5 EFF 24HR COMP mg/L	PERCENT REMOVAL %	** EFF LOADING kg/day	INF 24HR COMP mg/L	EFF MONTHLY AVG CONC mg/L	PERCENT REMOVAL %	** EFF LOADING kg/day
JAN.	14.711	0.475	0.639	287	3.0	98.95	1.43	122	8	93.44	3.80
FEB.	10.389	0.371	0.430	166	3.0	98.19	1.11	76	8	89.47	2.97
MAR.	22.212	0.717	1.189	153	3.0	98.04	2.15	61	8	86.89	5.74
APR.	34.722	1.157	1.547	50	3.0	94.00	3.47	52	8	84.62	9.26
MAY	28.231	0.911	1.225	59	3.0	94.92	2.73	93	8	91.40	7.29
JUN.	23.36	0.745	0.983	83	3.0	96.39	2.24	113	7	93.81	5.22
JUL.	14.828	0.478	0.696	186	3.0	98.39	1.43	57	7	87.72	3.35
AUG.	11.583	0.374	0.502	130	3.0	97.69	1.12	92	7	92.39	2.62
SEP.	9.655	0.322	0.389	162	3.0	98.15	0.97	143	6	95.80	1.93
OCT.	10.400	0.335	0.449	151	3.0	98.01	1.01	109	7	93.58	2.35
NOV.	12.366	0.429	0.527	188	3.0	98.40	1.29	167	6	96.41	2.57
DEC.	11.909	0.384	0.461	176	3.0	98.30	1.15	94	6	93.62	2.30
TOTAL	204.366										
AVERAGE	17.031	0.558	0.753	149	3.0	97.45	1.67	98	7.2	91.59	4.12
MAX	34.722	1.157	1.547	287	3.0	98.95	3.47	167	8	96.41	9.26
LIMITS		1.080	2.700		25		27		25		27.00
OBJECTIVES					15		16.2		15		16.20

* CBOD5 - sample analysis reported as <3 mg/L (MDL is 3mg/L)

** EFF Loading - based on monthly average daily flow

Average Daily Flow: 560 m3

CBOD5 Annual Average Concentration: 3 mg/L

CBOD5 Annual Average Loading: 1.68 kg/day

TSS Annual Average Concentration: 7.2 mg/L

TSS Annual Average Loading: 4.0 kg/day

MONTH	TOTAL PHOSPHORUS				TKN INF 24HR COMP mg/L	pH		
	INF 24HR COMP mg/L	EFF MONTHLY AVG CONC mg/L	PERCENT REMOVAL %	** EFF LOADING kg/day		INFLUENT AVERAGE	EFFLUENT MINIMUM	EFFLUENT MAXIMUM
JAN.	4.37	0.18	95.88	0.09	51.0	8.11	6.73	7.32
FEB.	6.10	0.35	94.26	0.13	49.6	7.95	6.55	6.87
MAR.	5.05	0.44	91.29	0.32	51.5	8.11	6.77	7.32
APR.	2.50	0.21	91.60	0.24	15.3	7.95	7.15	7.44
MAY	2.80	0.17	93.93	0.15	22.6	7.83	6.90	7.26
JUN.	3.60	0.20	94.44	0.15	27.6	7.90	7.90	7.11
JUL.	5.13	0.40	92.20	0.19	33.6	7.86	7.04	7.22
AUG.	5.57	0.47	91.56	0.18	45.2	7.85	7.85	6.71
SEP.	6.65	0.54	91.88	0.17	55.9	8.14	6.64	6.78
OCT.	7.49	0.56	92.52	0.19	80.3	8.05	6.53	6.91
NOV.	6.15	0.49	92.03	0.21	52.2	6.15	6.50	6.69
DEC.	5.61	0.31	94.47	0.12	65.7	8.04	6.50	6.71
AVERAGE	5.09	0.36	93.01	0.18	45.88	7.83	6.92	7.03
MAX(MIN)	7.49	0.56	95.88	0.32			6.50	7.44
LIMITS		1.00		1.10			>6	<8.5
OBJECTIVES		1.00		1.10			>6.5	<8.5

** EFF Loading - based on monthly average daily flow

Total Phosphorus Annual Average Loading: 0.20 kg/day

MONTH	Total Flow X1000m3	Sodium Hypochlorite			* E. coli	Pre Hydr Alum Sulphate		Sodium Bisulphite		Number of By-passes
		Kg Used	Dosage mg/l	Effluent Residual mg/l	Counts per 100ml	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l	
JAN.	14.711	79.44	5.40	0.0	1	680.50	46.26	60.98	4.15	0
FEB.	10.389	62.80	6.04	0.0	1	427.46	41.15	44.30	4.26	0
MAR.	22.212	108.60	4.89	0.0	2	879.28	39.59	71.42	3.22	0
APR.	34.722	108.10	3.11	0.0	1	1160.50	33.42	66.24	1.91	0
MAY	28.231	98.88	3.50	0.0	2	1015.50	35.97	69.18	2.45	0
JUN.	23.360	98.80	4.23	0.0	3	832.41	35.63	62.90	2.69	0
JUL.	14.828	76.32	5.15	0.0	1	561.19	37.85	34.50	2.33	0
AUG.	11.583	89.52	7.73	0.0	2	428.08	36.96	118.11	10.20	0
SEP.	9.655	86.40	8.95	0.0	4	349.96	36.25	34.96	3.62	0
OCT.	10.400	91.08	8.76	0.0	3	487.45	46.87	39.81	3.83	0
NOV.	12.366	94.56	7.65	0.0	2	746.17	60.34	55.72	4.51	0
DEC.	11.909	76.20	6.40	0.0	2	734.30	61.66	51.49	4.32	0
TOTAL	204.366	1070.70				8302.80		709.61		
AVERAGE	17.031	89.23	5.98	0.0	2	691.90	42.66	59.13	3.96	
MAX	34.722	108.6	8.95		4	1160.50	61.66	118.11	10.20	
LIMITS					<200					
OBJECTIVES					<200					

* E. coli - monthly geometric mean density

Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3
	mg/l	kg/day			ug/l	mg/l			kg/day	ug/l	
Jan.8	0.02	0.01	0.04	Mar.5	0.08	0.06	0.13	May 7	0.02	0.02	0.08
Jan.14	0.02	0.01	0.03	Mar.11	0.04	0.03	0.03	May 13	0.03	0.03	0.05
Jan.22	0.03	0.01	0.02	Mar.19	0.03	0.02	0.05	May 21	0.16	0.15	0.35
Jan.29	0.03	0.01	0.02	Mar.26	0.02	0.01	0.06	May 28	0.03	0.03	0.07
Feb.5	0.02	0.01	0.02	Apr.2	0.02	0.02	0.03	Jun. 4	0.02	0.01	0.07
Feb.11	0.03	0.01	0.03	Apr.8	0.02	0.02	0.07	Jun. 10	0.03	0.02	0.09
Feb.19	0.02	0.01	0.04	Apr.16	0.01	0.01	0.04	Jun.18	0.02	0.01	0.08
Feb.26	0.10	0.04	0.04	Apr.23	0.02	0.02	0.05	Jun. 25	0.03	0.02	0.16
MAX.	0.10	0.04	0.04		0.08	0.06	0.13		0.16	0.15	0.35
LIMITS	5.00	5.40	20		5.00	5.40	20		5.00	5.40	20

Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3 ug/l	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3 ug/l	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3 ug/l
	mg/l	kg/day			mg/l	kg/day			mg/l	kg/day	
Jul. 2	0.04	0.02	0.20	Sep. 3	0.04	0.01	0.08	Nov. 5	0.05	0.02	0.06
Jul. 8	0.02	0.01	0.07	Sep. 9	0.07	0.02	0.1	Nov. 11	0.10	0.04	0.09
Jul. 16	0.08	0.04	0.27	Sep. 17	0.01	0.00	0.03	Nov. 19	0.04	0.02	0.04
Jul. 23	0.07	0.03	0.21	Sep. 24	0.04	0.01	0.08	Nov. 26	0.25	0.10	0.17
Jul.30	0.07	0.03	0.19								
Aug. 6	0.04	0.01	0.12	Oct. 1	0.06	0.02	0.11	Dec. 3	0.04	0.02	0.02
Aug. 12	0.05	0.02	0.10	Oct. 8	0.05	0.02	0.06	Dec. 9	0.05	0.02	0.03
Aug. 20	0.05	0.02	0.08	Oct. 14	0.02	0.01	0.04	Dec. 17	0.07	0.03	0.05
Aug. 27	0.10	0.04	0.16	Oct. 22	0.05	0.02	0.12	Dec. 24	0.09	0.03	0.06
				Oct.29	0.09	0.03	0.08				
MAX.	0.10	0.04	0.27		0.09	0.03	0.12		0.25	0.10	0.17
LIMITS	5.00	5.40	20		5.00	5.40	20		5.00	5.40	20

ANALYSIS FOR GRAB SAMPLE OF ACTIVATED SLUDGE FROM AEROBIC DIGESTER #1																
MONTH	SLUDGE	PHOS.	TOTAL	VOLATILE	AMMONIA	Arsenic	Cadm.	Cobalt	Chrom.	Copper	Merc.	Moly	Nickel	Lead	Selen.	Zinc
	Processed		SOLIDS	SOLIDS	NITRATE	As	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Zn
	m3	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
JAN.	0															
FEB.	45															
MAR.	92															
APR.	40															
MAY	167															
JUN.	86	823	22,700	17,400	56.00	0.10	0.03	0.04	0.24	7.34	0.009	0.18	0.18	0.2	0.10	5.09
JUL.	151															
AUG.	33															
SEPT.	59															
OCT.	140	941	18,300	12,700	4.00	0.10	0.03	0.03	0.22	5.92	0.006	0.18	0.13	0.20	0.10	5.86
NOV.	136															
DEC.	21															
TOTAL	970															
AVG.	81	882	20500	15050	4.00	0.10	0.03	0.04	0.23	6.63	0.01	0.18	0.16	0.20	0.10	5.48

ANALYSIS FOR COMPOSITE SAMPLE OF DEWATERED SLUDGE PRIOR TO REMOVAL FROM GEOTUBES																
Geotube	Volume	% Solids	% V.S.	Total P	Ammonia (N)	As	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Zn
#	m3			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2A-12	66.7	8.37	59.3	43900	3610	2	0.5	2	20	421	0.48	4	16	14	3	361
3A-9	66.7	10.30	58.3	46400	2360	2	0.5	2	17	397	0.53	4	14	12	3	301
TOTAL	133.4															
AVG.		9.34	58.80	45150	2985	2	1	2	19	409	1	4	15	13	3	331

METALS	MAXIMUM PERMISSIBLE METAL CONCENTRATIONS (AGRICULTURAL USE) (mg/kg of solids)	AVERAGE METAL CONCENTRATIONS IN DIGESTER SLUDGE (mg/kg of solids)	AVERAGE METAL CONCENTRATIONS IN GEOTUBE SLUDGE (mg/kg of solids)	DEWATERED BIOSOLIDS HAULED TO SNODRIFTER ROAD WASTE DISPOSAL SITE				
				DATE	Geotube #	Volume m3	%Total Solids	E. coli cts/100ml
ARSENIC (As)	170	4.88	2					
CADMIUM (Cd)	34	1.46	0.50	Oct. 15, 2025	2A - 12	66.7	8.37	59.3
COBALT (Co)	340	1.71	2.00	Oct. 15, 2025	3A - 9	66.7	10.30	58.3
CHROMIUM (Cr)	2800	11.22	18.50					
COPPER (Cu)	1700	323.41	409.00					
MERCURY (Hg)	11	0.37	0.51					
MOLYBDENUM (Mo)	94	8.78	4.00	TOTAL		133.4		
NICKEL (Ni)	420	7.56	15.00					
LEAD (Pb)	1100	9.76	13.00					
SELENIUM (Se)	34	4.88	3.00					
ZINC (Zc)	4200	267.07	331.0					