

CITY OF WINNIPEG
WATER & WASTE DEPARTMENT
LABORATORY SERVICES DIVISION

SOUTH-END WATER POLLUTION CONTROL CENTRE

100 Ed Spencer Drive

1998

STATISTICAL SUMMARY OF ANALYTICAL DATA (MONTHLY MEANS)

1998 MONTH	RAW SEWAGE FLOWS		TOTAL SUSPENDED SOLIDS		BIOCHEMICAL OXYGEN DEMAND			TOTAL ORGANIC CARBON					TOTAL KJELDAHL NITROGEN			TOTAL AMMONIA			NITRATE-NITRITE		TOTAL PHOSPHORUS		
	DAILY MEAN	MONTHLY TOTAL	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent <i>CBOD</i>		Raw Sewage	Primary Effluent	Second. Effluent	Sec. Eff. Composite	Final Effluent	Raw Sewage	Final Effluent	Primary Sludge	Raw Sewage	Final Effluent	Primary Sludge	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent	Primary Sludge
	(ML/D)	(ML)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L N)	(mg/Kg N)	(mg/L N)	(mg/L N)	(mg/Kg N)	(mg/L N)	(mg/L N)	(mg/L P)	(mg/L P)	(mg/Kg P)
JANUARY	48.2	1,493.5	345	11	276	43	11	102	59	27	22	26	39.1	26.5	NA	30.2	17.4	NA	<0.04	5.1	8.5	6.0	NA
FEBRUARY	62.6	1,751.8	412	23	265	32	<10	105	78	35	32	36	41.5	27.0	NA	26.6	20.1	NA	<0.04	2.2	8.3	4.5	NA
MARCH	67.5	2,091.2	338	15	252	33	<10	117	62	31	27	28	31.5	19.4	NA	19.7	12.8	NA	<0.04	3.2	6.9	3.9	NA
APRIL	73.4	2,200.5	353	13	270	30	<10	115	76	32	27	30	28.9	17.9	NA	18.3	14.4	NA	<0.04	2.4	6.2	2.7	NA
MAY	79.0	2,448.0	339	19	236	43	<10	98	45	24	16	23	NA	NA	NA	21.0	22.3	NA	<0.04	2.2	NA	NA	NA
JUNE	66.1	1,981.7	0	13	262	54	<10	141	50	23	15	22	19.1	12.2	1555	18.1	11.4	855	<0.04	5.6	4.0	3.0	292
JULY	63.1	1,955.9	273	10	265	45	<10	170	49	21	19	20	30.0	10.5	1690	17.7	6.6	769	<0.04	5.7	6.7	3.5	NR
AUGUST	52.9	1,640.9	326	11	293	48	<10	135	66	27	22	27	35.1	14.6	1484	23.3	5.2	675	<0.04	6.7	7.3	4.5	476
SEPTEMBER	51.2	1,536.7	263	11	285	37	<10	144	72	26	23	26	37.1	20.7	1640	26.6	10.7	644	<0.04	4.2	7.5	5.4	504
OCTOBER	54.3	1,683.4	267	14	293	38	5	117	72	24	21	24	35.8	20.0	1564	27.2	12.4	686	<0.04	6.5	7.2	4.7	427
NOVEMBER	49.6	1,486.9	303	13	320	47	<5	127	75	25	22	25	38.9	22.8	1880	27.6	10.5	NA	<0.04	2.9	7.0	4.5	483
DECEMBER	48.0	1,486.7	356	10	333	47	6	161	86	27	24	27	44.7	25.6	1671	31.4	22.0	708	<0.04	6.5	9.6	4.0	495
MEAN	59.6	1,813.1	298	14	279	41	7	128	66	27	22	26	34.7	19.7	1641	24.0	13.8	723	<0.04	4.44	7.2	4.3	446

TOTAL 1998 FLOW (ML): 21,757

NS - NO SAMPLE

NR - NO RESULT

NA - NOT ANALYZED

CBOD - Carbonaceous Biochemical Oxygen Demand

Comments: **TOTAL ROUTINE SEWPCC ANALYSES IN 1998** (excluding METALS analyses): **5947**

The above summary contains available analytical data as of 17 March, 1999.