

CITY OF WINNIPEG
WATER & WASTE DEPARTMENT
LABORATORY SERVICES DIVISION

SOUTH-END WATER POLLUTION CONTROL CENTRE

100 Ed Spencer Drive

1997

STATISTICAL SUMMARY OF ANALYTICAL DATA (MONTHLY MEANS)

1997 MONTH	RAW SEWAGE FLOWS		BIOCHEMICAL OXYGEN DEMAND			TOTAL ORGANIC CARBON		TOTAL SUSPENDED SOLIDS		TOTAL KJELDAHL NITROGEN		TOTAL AMMONIA		NITRATE-NITRITE		TOTAL PHOSPHORUS	
	DAILY MEAN	MONTHLY TOTAL	Raw Sewage	Final Effluent		Raw Sewage	Final Effluent	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent
	(ML/D)	(ML)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L N)	(mg/L N)	(mg/L N)	(mg/L N)	(mg/L N)	(mg/L N)	(mg/L P)
JANUARY	49.1	1,523.4	311	19	<10	166	29	278	6	49.4	28.5	30.6	21.0	<.04	2.95	7.4	3.8
FEBRUARY	49.5	1,436.6	306	22	<10	129	26	373	7	46.9	28.7	29.1	18.1	<.04	5.00	6.8	3.4
MARCH	56.7	1,757.7	299	17	<10	129	36	403	8	45.6	27.6	26.9	17.6	<.04	3.17	6.3	2.5
APRIL	110.6	3,317.9	182	15	<10	56	23	240	6	25.6	13.3	11.4	2.6	0.30	4.36	3.8	1.7
MAY	64.8	2,009.4	357	NS	NS	63	NS	798	NS	43.7	NS	13.5	NS	0.04	NS	7.8	NS
JUNE	56.4	1,690.5	235	22	16	133	36	411	9	32.8	22.6	21.4	19.9	<.04	0.46	5.1	3.1
JULY	61.3	1,899.6	218	25	<10	133	31	291	6	34.5	20.3	21.4	17.5	0.09	3.35	5.1	2.3
AUGUST	56.3	1,745.5	240	19	<10	116	17	295	6	39.2	21.8	24.9	15.0	<.04	4.63	5.6	3.0
SEPTEMBER	54.4	1,631.5	239	24	<10	121	21	291	11	44.4	25.5	26.8	14.6	<.04	5.22	6.7	3.9
OCTOBER	61.0	1,892.2	239	16	<10	126	17	295	7	35.4	18.4	22.8	5.5	0.05	9.02	5.2	3.5
NOVEMBER	56.1	1,682.5	229	18	<10	160	21	323	8	43.2	23.7	28.4	16.1	0.05	6.10	6.9	3.6
DECEMBER	49.7	1,539.9	304	21	<10	174	24	392	9	59.4	29.1	33.5	24.7	<.04	3.45	8.4	4.4
MEAN	60.5	1,843.9	263	20	<10	126	26	366	7	41.7	23.6	24.2	15.7	0.06	4.34	6.2	3.2

TOTAL 1997 FLOW (ML): 22,127

NS - NO SAMPLE

CBOD - Carbonaceous Biochemical Oxygen Demand

Sampling frequency during May 97 was significantly reduced due to plant shutdown (Flood situation)
Secondary treatment back on line 5 June 97

Approved for distribution:

Supervisor of Analytical Services Branch

Date approved:

24-Mar-98