

WEST END WATER POLLUTION CONTROL CENTRE
7740 Wilkes Avenue

1999

ANALYTICAL DATA SUMMARY

MONTH	# of days	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	Final Cell Eff.	Raw Sewage	Primary Effluent	Final Effluent		Final Cell Effluent	Raw Sewage	Primary Effluent	Secondary Effluent		Final Effluent	Final Cell Eff.	Raw Sewage	Final Effluent	Final Cell Eff.	Raw	Final Effluent	Final Cell Eff.	Raw Sewage	Final Effluent	Final Cell Eff.	Raw Sewage	Final Effluent	Final Cell Eff.	
		(ML/D)	(ML)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	CBOD		CBOD	(mg/L)	(mg/L)	Total	Filtrate	(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 N)	(mg/L N)	(mg/L N)	(mg/L N)	(mg/L N)	(mg/L N)
JANUARY	31	25.2	783	243	44	16	251	127	42	23	42	12	112	71	35	23	37	30	40	32	32	28.7	24.3	27.9	<0.04	1.11	1.52	6.5	4.6	5.0
FEBRUARY	28	25.7	721	256	17	13	198	112	21	9	14	9	101	67	25	22	27	26	38	27	29	28.5	25.3	28.2	<0.04	2.62	0.18	6.5	3.9	4.2
MARCH	31	29.6	919	207	10	17	169	93	<10	<5	18	13	90	61	22	20	22	27	36	28	28	24.9	20.1	25.2	<0.04	1.34	0.23	5.4	3.8	4.0
APRIL	30	33.4	1,003	202	12	31	150	74	19	8	19	11	91	57	21	19	24	25	30	25	16	21.9	22.0	11.7	<0.04	1.89	0.88	5.3	3.0	2.6
MAY	31	34.8	1,080	185	12	43	171	90	19	8	29	14	93	62	28	25	29	37	28	20	10	20.3	18.9	5.0	0.26	2.13	0.92	4.7	3.2	3.5
JUNE	30	33.0	990	174	50	44	172	104	41	19	31	11	97	63	39	24	42	39	31	26	16	21.2	18.6	10.8	0.08	2.60	0.73	4.9	4.1	5.3
JULY	31	33.5	1,037	160	75	29	150	94	50	25	36	11	95	58	38	22	47	32	27	24	14	17.8	15.6	8.8	<0.04	2.08	0.78	4.7	4.0	4.6
AUGUST	31	29.9	926	156	62	21	168	95	57	20	20	7	90	52	28	19	36	23	30	24	6	20.4	16.7	2.8	<0.04	2.94	0.63	5.0	3.9	4.2
SEPTEMBER	30	30.6	919	138	13	12	174	112	36	7	32	<12	118	57	17	13	18	18	32	16	10	22.6	13.3	7.5	0.04	4.76	2.43	5.3	3.4	3.2
OCTOBER	31	27.7	858	156	11	24	207	115	36	<5	40	12	143	69	17	15	20	16	39	22	11	25.7	17.3	6.3	0.10	7.32	4.77	6.2	3.8	2.1
NOVEMBER	30	26.6	797	176	10	30	198	124	32	5	45	19	148	73	NA	18	22	21	42	24	20	26.9	18.9	13.2	0.04	8.07	4.02	6.7	4.5	2.9
DECEMBER	31	26.5	823	174	9	23	204	114	30	9	42	19	139	75	NA	20	25	30	33	27	26	27.9	23.3	20.4	0.30	4.80	2.78	6.0	3.9	4.0
MEAN		29.7	-	186	27	25	184	104	34	8	31	12	110	64	27	20	29	27	34	24	18	23.9	19.5	14.0	0.04	3.47	1.66	5.6	3.8	3.8

TOTAL 1999 FLOW (ML): **10,855**

NA - NOT ANALYZED

NS - NO SAMPLE

CBOD - Carbonaceous Biochemical Oxygen Demand

NOTE 1: MEDIAN reported for 1999 MEAN of Final Effluent CBOD and Raw sewage NITRATE due to under-range values.

NOTE 2: AMMONIA & NITRATE DATA ON FINAL EFFLUENT ARE SUSPECT; - (DUE TO POSSIBLE NITRIFICATION OCCURRING WITHIN SAMPLER).

NOTE 3: Effective January 1, 2000, previously called WEWPCC "Final Effluent" to be called "Activated Sludge Plant Effluent" (ASP Effluent) and "Final Cell Effluent" to called "Final Effluent"