

MAIL ADDRESS
MINISTRY OF THE ENVIRONMENT
LABORATORY BRANCH
P.O. BOX NO. 213
REXDALE, ONTARIO

MINISTRY OF THE ENVIRONMENT WATER LABORATORIES

TELEPHONE: A.V. Luff
ADDRESS: 150 DUNDAS ST. W.
RESOURCES ROAD
HIGHWAY 401 & ISLINGTON AVE.
TORONTO, ONTARIO

Ex-104

Municipality: <u>Halton Region</u>	Report to: <u>Mr. Ken MacLean</u>	C
Source: <u>Burlington</u> Region: <u>Central</u>	Address: <u>Manager of Water Resources Operations</u>	Bi
Program: <u>Ground water Analysis</u>	<u>1151 Bitter Rd</u>	Ba
Date sampled: <u>June 4/79</u> by: <u>Gordon Lee Ass. Dir.</u>	<u>Wakarusa Ont</u>	
Date analysed: _____ Date reported: _____	<u>L65 423</u>	

LAB. NUMBER	SENDER'S NUMBER	SAMPLING POINT LOCATIONS AND TIME	NATURE OF SAMPLE, DANGEROUS CONSTITUENTS, PRESERVATIVES USED, COMPOSITING DATA, ETC.	✓CHECK BELOW IF CHLORINE PRESENT
W23-309	1-79	BH #1 Piez 1	conductivity; pH; hardness	
310	2-79	BH #8 Piez 1	chlorides; sulphates; TDS; iron	
311	3-79	BH #8 S.P. II	sodium; phenols; AOD	
312	4-79	BH #12 Piez IV		
313	5-79	SW Station 2		

LAB. NUMBER	CONDUCTIVITY $\mu\text{mho/cm}$	Hardness as CaCO_3	Iron as Fe	Chloride as Cl	PH	SULPHATE as SO_4	Total Kjeldahl	SODIUM as Na	POTASSIUM as K	PHENOLS IN ppm	BOD
W23-309	5400	1804	3.1	203	7.5	2950	5.4	800	44	/	28
310	20,000	3866	(67)	7160	7.0	420	30	3200	120	/	480
311	15,600	10,100	970	1300	5.7	750	720	930	570	/	26,000
312	3950	1744	8.7	300	7.6	1500	1.8	350	50	/	6.0
313	690	351	.27	28	8.4	61	.4	23	3.3	1	1.4

PROJECT 78-92

TABLE 2 SHEET 3

WATER ANALYSIS RESULTS

Ex. 105

LOCATION BOREHOLE 2 (Borehole 1)

REMARKS

			DATE	May 2 1979	JUNE 1979														
PROPERTY																			
CONDUCTIVITY μMHOS / CM.				13,850	15,600														
pH				5.5	5.7														
HARDNESS (Ca CO ₃)				8000	10,100														
ALKALINITY (Ca CO ₃)				6890															
CHLORIDES (Cl)				1190	13,000														
SULPHATES (SO ₄)					750														
PHOSPHOROUS AS P	Total																		
	Soluble																		
NITROGEN (N)	Total Kjeldahl				720														
	Free Ammonia																		
	Nitrite																		
	Nitrate																		
METALS	Potassium (K)				570														
	Magnesium (Mg)																		
	Calcium (Ca)																		
	Sodium (Na)					930													
	Iron (Fe)			800	970														
BOD					26,000														

June 79 - Water
from catchment area
near I-20
Plant II Bldg.
Report

NOTE: concentrations in p.p.m. unless otherwise noted.

Gartner Lee Associates Limited

PROJECT 78-92

TABLE 8 SHEET 3

WATER ANALYSIS RESULTS

LOCATION BOREHOLE 8, STANDPIPE 11

REMARKS

DATE		May 2, 1979	June 4, 1979									
PROPERTY												
CONDUCTIVITY μ MHOS/CM.		✓13,850	15,600									
pH		5.5	5.7									
HARDNESS (Ca CO ₃)		8,000	10,100									
ALKALINITY (Ca CO ₃)		6,890										
CHLORIDES (Cl)		✓1,190	13,000	Checked against MOE original June 6/84. <i>WLB</i>								
SULPHATES (SO ₄)			750									
PHOSPHOROUS AS P	Total											
	Soluble											
NITROGEN (N)	Total Kjeldahl		720									
	Free Ammonia											
	Nitrite											
	Nitrate											
METALS	Potassium (K)		570									
	Magnesium (Mg)											
	Calcium (Ca)											
	Sodium (Na)		930									
	Iron (Fe)	800	970									
B.O.D.			26,000									

NOTE: concentrations in p.p.m. unless otherwise noted.

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