WATERQUALITYDATA

A summary of test results is provided in the table below. The majority of data in this table are from 2007. If after reading this report you need additional information or service, please feel free to call our water quality experts at 428-3647 during normal business hours.

Terms and abbreviations used below:

□ **Maximum Contaminant Level** (MCL): the highest level of a contaminant set that is allowed in drinking water. EPA sets MCLs as close to the MCLGs as feasible using the best available treatment technology.

□ Action Level (AL): the concentration of a contaminant prescribed by the EPA, which when exceeded, triggers treatment or other requirements that a water system must follow.

□ NTU: nephelometric turbidity units □ ppm: parts per million or milligrams per liter □ pCi/L: picocurries per liter (a measure of radiation) □ NA: not applicable □ nd not detected at testing limit

Contaminant			Hemlock L	ake		Lake Ontario			
	MCL	# Tests	avg	range	# Tests	avg	range		
Inorganic contaminants									
Aluminum (ppb)	NA	5	Not found		4	57	31-97		
Antimony (ppb)	6	1	Not found		4	Not found			
Arsenic (ppb)	50	1	Not found		4	Not found			
Barium (ppm)	2.00	1	0.0.18		4	.020	.02021		
Beryllium (ppb)	4	1	Not found		4	Not found			
Cadmium (ppb)	5	1	Not found		4	Not found			
Calcium (ppm)	NA	12	24.4	24-25	4	36	34-37		
Chromium (ppb)	100	1	1.1		4	Not found			
Copper(ppb '06 data)	AL=1300	50	98 (=90%tile)	4.3-240					
Cyanide (ppb)	200	1	Not found		4	Not found			
Fluoride (ppm)	2.2	1058	0.90	ND-1.1	2159	0.85	.05-1.2		
Iron (ppb)	300	1	Not found		4	Not found			
Lead (ppb '06 data)	AL=15	50	9.1 (=90%tile)	ND-24 (3 samples >15)					
Magnesium (ppm)	NA	1	6.1		4	9.3	8.9-9.7		
Manganese (ppb)	300	1	Not found		4	Not found			
Mercury	2	1	Not found		4	Not found			
Nickel (ppb)++++++	100	1	1.1		4	Not found			
Nitrate (ppm)	10	12	0.22	0.15-0.33	4	.34	0.1-0.31		
Nitrite (ppm)	1	1	Not found		4	Not found			
Potassium (ppm)	NA	1	1.7		1	1.6			
Selenium (ppb)	50	1	Not found		4	Not found			
Silver (ppb)	100	1	Not found		4	Not found	075		
Sodium (ppm)	NA	1	17		3	14	13-14		
Sulfate (ppm)	250	12	15.6	15-17	22	29			

Contaminant	MCL		Hemlock Lake			Lake Ontario			
		# Tests	avg	range	# Tests	avg	range		
Surfactants (ppm)	NA	1	Not found		4	Not found			
Thallium (ppb)	2	1	Not found		4	Not found			
Zinc (ppb)	5000	1	Not found		4	Not found			
Alkalinity (ppm)	NA	24	63	58-67	4	86	84-90		
Chlorides (ppm)	250	10	31	28-33	4	25	21-26		
Color (Pt color unit)	15	12	ND	ND	4	Not found			
pH (pH unit)	NA	358	7.5	6.9-8.1	365	7.4	7.0-7.7		
Total Hardness (ppm)	NA	1	86		3	127	120-130		
Total Organic Carbon (ppm)	NA	1	2.1		4	1.7	1.0-1.8		
Surfactants (mg/L)	NA	1	Not found		4	Not found			
Turbidity – entry point (NTU)	**	2190	0.07	0.05-0.22	2190	0.06	0.03-0.10		
Turbidity distribution system (NTU)	***	22234	0.22	0.04-14.9	3443	0.12	.03-6.5		
Chlorine residual – entry	****	2180	0.87	0.31-1.1	2190	1.0	0.6-1.3		
point (ppm) Chlorine residual –	****	2224	0.67	ND-1.6	3616	0.6	ND-2.1		
distribution (ppm) Odor (threshold odor unit)	NA	6	1	ND-4					
Coliform – entry point (%	NA	360	0	0					
positive) Coliform – distribution system		300	0	0					
(% pos) ¹	5%	2224	0.5%	0-2.4%					
Asbestos (million fibers/L)	7	1	Not found						
Volatile Organics (ppb)		•			-				
Benzene	5	1	Not found		4	Not found			
Bromobenzene	5	1	Not found		4	Not found			
Bromochloromethane	5	1	Not found		4	Not found			
Bromomethane	5	1	Not found		4	Not found			
n-Butylbenzene	5	1	Not found		4	Not found			
Carbon tetrachloride	5	1	Not found		4	Not found			
Chlorobenzene	5	1	Not found		4	Not found			
Chloroethane	5	1	Not found		4	Not found			
Chloromethane	5	1	Not found		4	Not found	1		
2-Chlorotoluene	5	1	Not found		4	Not found	1		
4-Chlorotoluene	5	1	Not found		4	Not found	1		
Dibormomethane	5	1	Not found		4	Not found	1		
1,2-Dichlorobenzene	5	1	Not found		4	Not found	1		
1,3-Dichlorobenzene	5	1	Not found		4	Not found			
1,4-Dichlorobenzene	5	1	Not found		4	Not found	1		
Dichlorodifluoromethane	5	1	Not found		4	Not found	1		
1,1-Dichloroethane	5	1	Not found	1	4	Not found			

Contaminant	MCL	Hemlock Lake			Lake Ontario			
		# Tests	avg	range	# Tests	avg	range	
1,2-Dichloroethane	5	1	Not found		4	Not found		
1,1-Dichloroethene	5	1	Not found		4	Not found		
Cis-1,2-Dichloroethene	5	1	Not found		4	Not found		
Trans-1,2-Dichloroethene	5	1	Not found		4	Not found		
1,2-Dichloropropane	5	1	Not found		4	Not found		
1,3-Dichloropropane	5	1	Not found		4	Not found		
2,2-Dichloropropane	5	1	Not found		4	Not found		
1,1-Dichloropropene	5	1	Not found		4	Not found		
Cis-1,3-Dichloropropene	5	1	Not found					
Trans-1,3-Dichloropropene	5	1	Not found		4	Not found		
Ethyl benzene	5	1	Not found		4	Not found		
Hexachlorobutadiene	5	1	Not found		4	Not found		
Isopropylbenzene	5	1	Not found		4	Not found		
p-Isopropyltoluene	5	1	Not found		4	Not found		
Methylene chloride	5	1	Not found		4	Not found		
Naphthalene	NA	NA			4	Not found		
n-Propylbenzene	5	1	Not found		4	Not found		
Styrene	5	1	Not found		4	Not found		
1,1,1,2-tetrachloroethane	5	1	Not found		4	Not found		
1,1,2,2-tetrachloroethane	5	1	Not found		4	Not found		
Tetrachloroethene	5	1	Not found		4	Not found		
Toluene	5	1	Not found		4	Not found		
1,2,3-Trichlorobenzene	5	1	Not found		4	Not found		
1,2,4-Trichlorobenzene	5	1	Not found		4	Not found		
1,1,1-Trichloroethane	5	1	Not found		4	Not found		
1,1,2-Trichloroethane	5	1	Not found		4	Not found		
Trichloroethene	5	1	Not found		4	Not found		
Trichlorofluoromethane	5	1	Not found		4	Not found		
1,2,3-Trichloropropane	5	1	Not found		4	Not found		
1,2,4-trimethylbenzene	5	1	Not found		4	Not found		
1,3,5-trimethylbenzene	5	1	Not found		4	Not found		
Xylenes	5	1	Not found		4	Not found		
Vinyl chloride	5	1	Not found		4	Not found		
МТВЕ	NA	1	Not found					
Organics, Pesticides, PCBs (p	pb)							
1,2-Dibromo-3- Chloropropane	0.05	1	Not found		4	Not found		

_		Hemlock Lake			Lake Ontario			
Contaminant	MCL	# Tests	avg	range	# Tests	avg	range	
1,2-Dibromoethane (EDB)	0.05	1	Not found		4	Not found		
2,4,5-TP (Silvex)	10	1	Not found		4	Not found		
2,4-D	50	1	Not found		4	Not found		
3-Hydroxycarbofuran	50	1	Not found		1	Not found		
Alachlor	2	1	Not found		1	Not found		
Aldicarb	3	1	Not found		1	Not found		
Aldicarb Sulfoxide	4	1	Not found		1	Not found		
Aldrin	50	1	Not found		4	Not found		
Atrazine	3	1	Not found		1	Not found		
Benzo(a)pyrene	0.2	1	Not found		1	Not found		
Bis(2-Ethylhexyl)Phthalate	6	1	Not found		1	Not found		
Butachlor	50	1	Not found		1	Not found		
Carbaryl	50	1	Not found		1	Not found		
Carbofuran	40	1	Not found		1	Not found		
Dalapon	50	1	Not found		1	Not found		
Bis(2-Ethylhexyl) Adipate	50	1	Not found		1	Not found		
Dicamba	50	1	Not found		1	Not found		
Dieldrin	50	1	Not found		4	Not found		
Dinoseb	7	1	Not found		1	Not found		
Dioxin	0.03	1	Not found		1	Not found		
Diquat	20	1	Not found		1	Not found		
Endothall	50	1	Not found		1	Not found		
Endrin	2	1	Not found		4	Not found		
Glyphosate	50	1	Not found		4	Not found		
Heptachlor	0.4	1	Not found		4	Not found		
Heptachlor Epoxide	0.2	1	Not found		4	Not found		
Hexachlorobenzene	1	1	Not found		1	Not found		
Hexachlorocyclopentadiene	50	1	Not found		1	Not found		
Lindane	0.2	1	Not found		4	Not found		
Methomyl	50	1	Not found		1	Not found		
Methoxychlor	40	1	Not found		4	Not found		
Metolachlor	50	1	Not found		1	Not found		
Metribuzin	50	1	Not found		1	Not found		
Oxamyl	50	1	Not found		1	Not found		
PCB's Total	0.5	1	Not found		4	Not found		
Pentachlorophenol	1	1	Not found		1	Not found		

Contaminant	MCL	Hemlock Lake			Lake Ontario				
		# Tests	avg	range	# Tests	avg	range		
Pichloram	50	1	Not found		1	Not found			
Propachlor	50	1	Not found		4	Not found			
Simazine	4	1	Not found		1	Not found			
Total Chlordane	2	1	Not found		4	Not found			
Propylene glycol (2005)	1000	1	Not found						
Toxaphene	3	1	Not found		4	Not found			
4,4'-DDT	NA	1	Not found		4	Not found			
Mirex	NA	1	Not found		4	Not found			
Disinfectant Byproducts (ppb))								
Total THMs	80	16	38	14-55					
Total HAAs	60	16	26	3.4-44					
тох	NA	1	280						
Unregulated Contaminants M	lonitoring (ppl	b)(2002 dat	a)						
2,4-dinitrotoluene	NA	3	Not found						
2,6-dinitrotoluene	NA	3	Not found						
Acetochlor	NA	3	Not found						
DCPA mono-acid degradate	NA	3	Not found						
DCPA di-acid degradate	NA	3	Not found						
4,4'-DDE	NA	3	Not found						
EPTC	NA	3	Not found						
Molinate	NA	3	Not found						
Nitrobenzene	NA	3	Not found						
Perchlorate	NA	3	Not found						
Terbacil	NA	3	Not found						
Radionuclides (pCi/L)									
Gross alpha (2004 data)	15	1	Not found		1(1997)	Not found			
Radon (2005 data)	NA	1	20 pCi/L						
Gross Beta (2004 data)	50	1	Not found		1(1997)	Not found			
Taste and Odor Compounds									
Geosmin (ng/L*****)	NA	1	2.22						
MIB (ng/L)	NA	1	ND						

Table footnotes:

1) In 1993, the New York State Department of health granted the city what is known as a biofilm variance to the total coliform bacteria MCL. Biofilm refers to a layer of bacteria that can be found on water pipe surfaces. A biofilm variance is only allowed where the coliform bacteria recovered from a water system are identified as non-disease causing environmental strains originating from the pipeline biofilm and not from an external source of contamination. The city of Rochester is one of several large suppliers nationwide holding a biofilm variance.

** = 95% of measurements within a given month must be less than 0.5 ntu.

*** = Average of monthly distribution system samples must be less than 5.0 ntu.

****=Water entering the distribution must have a chlorine residual greater than 0.2 and less than 4 ppm.

*****=95% of monthly distribution system samples must have a measureable chlorine residual.

******=nanograms/liter or parts per trillion

Note: Total Hardness is also expressed in grains per gallon. The grains of hardness in the Ontario and Hemlock supplies are 7.6 & 5.6 respectively.