

Table A: DWSP Monitoring Results Summary Table for Years 2000 - 2002

Drinking-Water System Monitored by DWSP	Total Number of Tests (Chemical, Physical, Radiological) Performed	Number of Tests Indicating Adverse Water Quality in Treated Drinking Water and Water in the Distribution System	Number of Parameters Indicating Adverse Water Quality in Treated Drinking Water and Water in the Distribution System	Summary
AJAX WATER PLANT	3,050	0	0	
ALEXANDRIA WATER PLANT	3,213	0	0	
ALVINSTON WATER PLANT	8,518	3	3	The health-related ODWS was exceeded once for atrazine, once for atrazine plus N-dealkylated metabolites, and once for nitrate. The MOE inspection report indicated that the raw water source was influenced by agricultural run-off. The operating authority indicated that the Lambton (Sarnia) drinking-water system will supply Alvinston with potable drinking water.
AMHERSTBURG WATER SYSTEM	3,579	0	0	
ATIKOKAN WATER PLANT	4,474	1	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded once. This was a single isolated occurrence.
AURORA WELL SUPPLY	3,163	0	0	

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BALMERTOWN (SANDY BAY) WATER PLANT	757	2	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded 2 times. A new water plant, located in Cochenour, will supply the Balmertown distribution system. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
BARRIE WELL SUPPLY	3,847	0	0	
BAYSIDE WATER PLANT	2,371	0	0	
BEARDMORE WATER PLANT	4,301	0	0	
BEAVERTON WATER PLANT	3,221	0	0	
BEL-ERIN WELL SUPPLY	942	0	0	
BELLE RIVER WATER PLANT	2,866	0	0	
BELLEVILLE WATER PLANT	3,378	0	0	
BLEZARD VALLEY WELL SUPPLY	3,368	0	0	
BOLTON WELL SUPPLY	2,907	0	0	

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BOURGET WELL SUPPLY	3,213	17	3	The health-related ODWS was exceeded 4 times for chloramines, 6 times for turbidity, and 7 times for trihalomethanes. The ODWS for trihalomethanes is based on a 4 quarterly running annual average in the distribution system. This system was under a boil water advisory. The operating authority indicated that an upgrade to the Rockland drinking-water system is in progress and will supply Bourget with potable drinking water. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
BOWMANVILLE WATER PLANT	2,095	0	0	
BRACEBRIDGE (KIRBY BEACH) WATER PLANT	3,668	0	0	
BRADFORD / BOND HEAD WELL SUPPLY	3,432	2	1	The health-related ODWS was exceeded 2 times for selenium. Selenium may be present due to its natural occurrence in some groundwaters. An agreement has been reached with the Innisfil drinking-water system to eventually supply potable drinking water to the Town of Bradford-West Gwillimbury.

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BRANTFORD WATER PLANT	9,193	15	1	The health-related ODWS was exceeded 15 times for N-nitrosodimethylamine (N D M A). An investigation determined that a type of treatment chemical being tested at the water plant was responsible for the formation of N D M A in the treated water. A new treatment chemical was substituted and found to be successful in minimizing N D M A formation. The municipality and the MOE have initiated a monitoring program and are part of a research study of N D M A formation in the drinking water treatment process with the University of Waterloo.
BRIGHTON SPRING SUPPLY	3,237	0	0	
BROCKVILLE WATER PLANT	3,659	0	0	
BURLINGTON WATER SYSTEM	2,151	0	0	
CAMBRIDGE WELL SUPPLY	4,851	0	0	
CAPREOL WELL SUPPLY	3,177	0	0	
CASSELMAN WATER PLANT	8,478	0	0	
CHALK RIVER WATER PLANT	1,899	0	0	
CHAPLEAU WATER PLANT	1,017	0	0	
CHARLTON WATER PLANT	1,331	0	0	

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CHATHAM WATER PLANT	2,973	0	0	
CLARENCE CREEK WELL SUPPLY	4,168	11	1	The health-related ODWS was exceeded 11 times for turbidity. This system was under a boil water advisory. The operating authority indicated that an upgrade to the Rockland drinking-water system is in progress and will supply Clarence Creek with potable drinking water. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
COBOURG WATER PLANT	2,994	0	0	
COCHENOUR WATER PLANT	1,105	6	3	The health-related ODWS was exceeded once for chloramines, once for turbidity, and 4 times for trihalomethanes. The ODWS for trihalomethanes is based on a 4 quarterly running annual average in the distribution system. A new water plant will be constructed. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
COLLINGWOOD WATER PLANT	4,054	0	0	
CORNWALL WATER PLANT	3,461	0	0	
DEEP RIVER WATER PLANT	3,953	0	0	

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DELHI WATER PLANT	8,068	0	0	
DELHI WELL SUPPLY	1,768	0	0	
DELORO WELL SUPPLY	2,330	0	0	
DESERONTO WATER PLANT	3,291	0	0	
DORCHESTER WELL SUPPLY	2,899	0	0	
DOWLING WELL SUPPLY	2,324	0	0	
DRYDEN WATER PLANT	3,209	0	0	
DUNNVILLE WATER PLANT	2,511	0	0	
EAR FALLS WATER PLANT	4,039	1	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded once. The MOE inspection report recommended investigating methods to maintain a sufficient chlorine residual without creating high levels of trihalomethanes.
ECHO BAY WATER PLANT	3,202	0	0	
ELGIN PRIMARY AREA WATER SUPPLY	2,051	0	0	
ELLIOT LAKE WATER PLANT	4,271	0	0	
EMO WATER PLANT	721	0	0	
ERIN WELL SUPPLY	2,072	0	0	
EXETER WELL SUPPLY	1,126	0	0	
FAUQUIER WATER PLANT	1,326	0	0	

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FERGUS WELL SUPPLY	3,839	0	0	
FOLEYET WATER PLANT	1,053	0	0	
FORT ERIE (ROSEHILL) WATER PLANT	2,851	0	0	
FORT FRANCES WATER PLANT	3,910	0	0	
GARSON WELL SUPPLY	3,367	0	0	
GEORGETOWN WELL SUPPLY	3,185	0	0	
GODERICH WATER PLANT	2,097	0	0	
GORE BAY WATER PLANT	2,522	2	1	The health-related ODWS was exceeded 2 times for turbidity. The municipality is in the process of upgrading the drinking-water system. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
GRAVENHURST WATER PLANT	3,219	0	0	
GRIMSBY WATER PLANT	2,859	0	0	
GUELPH WELL SUPPLY	3,310	0	0	
HAMILTON WATER SYSTEM	1,634	0	0	

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HANOVER WATER SUPPLY SYSTEM	6,021	1	1	Low free chlorine residual was reported once in the water distribution system. The MOE inspection report indicated that the municipality has implemented a flushing program to ensure free chlorine residuals remain at an acceptable level at all points through the distribution system.
HARROW-COLCHESTER SOUTH WATER SYSTEM	2,904	0	0	
HAVELOCK WELL SUPPLY	2,693	0	0	
HAWKESBURY WATER PLANT	3,709	0	0	
HILLSBURGH WELL SUPPLY	1,338	0	0	
HEARST WATER PLANT	1,729	0	0	
HUDSON WATER PLANT	3,042	9	1	The health-related ODWS was exceeded 9 times for turbidity. This system was under a boil water advisory. The owner indicated that a new water treatment facility will be built to provide potable drinking water.
HUNTSVILLE WATER PLANT	3,451	0	0	

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INGERSOLL WELL SUPPLY	3,414	14	2	The health-related ODWS was exceeded 9 times for fluoride, and 5 times for turbidity. Where natural levels of fluoride are measured between 1.5 milligrams per litre and 2.4 milligrams per litre, public and professional awareness is promoted to control excessive exposure to fluoride from other sources. Increased turbidity is a function of the aeration process which removes hydrogen sulphide gas from the ground water. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
INGLESIDE WATER PLANT	264	0	0	
INNISFIL HEIGHTS WELL SUPPLY	2,474	0	0	
INNISFIL WATER PLANT	4,338	0	0	
IROQUOIS WATER PLANT	680	0	0	

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KENORA WATER PLANT	3,377	5	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded 5 times. The operating authority indicated that a chloramination treatment process will be implemented to reduce concentrations of trihalomethanes.
KESWICK WATER PLANT	4,337	0	0	
KINGSTON WATER PLANT	2,085	0	0	
KIRKLAND LAKE WATER PLANT	3,803	0	0	
KITCHENER (MANNHEIM) WATER PLANT	7,920	0	0	
KITCHENER WELL SUPPLY	4,871	0	0	
LAKE HURON PRIMARY AREA WATER SUPPLY	1,611	0	0	
LAKESHORE WELL SUPPLY	1,420	6	2	The health-related ODWS was exceeded 4 times for fluoride, and 2 times for turbidity. Where natural levels of fluoride are measured between 1.5 milligrams per litre and 2.4 milligrams per litre, public and professional awareness is promoted to control excessive exposure to fluoride from other sources. This municipal drinking-water system is no longer voluntarily participating in the DWSP.

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LAMBTON AREA (SARNIA) WATER PLANT	3,527	0	0	
LANCASTER WELL SUPPLY	357	0	0	
LINDSAY WATER PLANT	3,308	0	0	
LONG SAULT WATER PLANT	249	0	0	
MADSEN WATER PLANT	1,099	4	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded 4 times. The MOE inspection report indicated that the installation of chemically assisted filtration is required in 2004. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
MANITOUWADGE WELL SUPPLY	2,526	0	0	
MARATHON WELL SUPPLY	2,894	0	0	
MARMORA WATER PLANT	2,334	0	0	

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MATTICE WATER PLANT	887	3	1	The health-related ODWS was exceeded 3 times for turbidity. This system was under a boil water advisory. The MOE inspection report indicated that the municipality has obtained engineering services and funding towards construction of a full water treatment system. This municipal drinking-water system is no longer voluntarily participating in the DWSP.
MIDLAND WELL SUPPLY	3,847	0	0	
MILTON WELL SUPPLY	2,093	0	0	
MORRISBURG WATER PLANT	1,188	0	0	
MOUNTAINVIEW WELL SUPPLY	1,019	0	0	
NANTICOKE WATER PLANT	2,110	0	0	
NAPANEE WATER PLANT	1,193	0	0	
NEWMARKET WELL SUPPLY	3,615	1	1	The health-related ODWS was exceeded once for turbidity. This was a single isolated occurrence.
NIAGARA FALLS WATER PLANT	3,115	0	0	

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NIPIGON WATER PLANT	3,721	2	1	The health-related ODWS was exceeded 2 times for turbidity. The MOE inspection report indicated that the township was proceeding toward construction of a water treatment plant that will meet the regulatory requirements.
NORTH BAY WATER PLANT	3,390	1	1	Low free chlorine residual was reported once in the water distribution system. The municipality indicated that fire hydrants were flushed and more chlorine was added to ensure free chlorine residuals remain at acceptable levels.
NORWICH WELL SUPPLY	1,627	0	0	
OAKVILLE WATER PLANT	1,695	0	0	
ODESSA WATER PLANT	1,328	2	1	The health-related ODWS was exceeded 2 times for N-nitrosodimethylamine. This water plant was decommissioned in 2000. Drinking water is now supplied by the Fairfield drinking-water system.

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OHSWEKEN WATER PLANT	9,343	19	3	The health-related ODWS was exceeded 4 times for N-nitrosodimethylamine, and 7 times for trihalomethanes. The ODWS for trihalomethanes is based on a 4 quarterly running annual average in the distribution system. Low free chlorine residuals were reported once in the treated water and 7 times in the water distribution system. Ohsweken is a First Nations drinking-water system, which falls under Federal jurisdiction. For these types of drinking-water systems that are monitored by the DWSP, MOE has protocols in place to inform these systems of incidents of adverse water quality as prescribed by the Drinking-Water Systems Regulation (O. Reg. 170/03).
ORANGEVILLE WELL SUPPLY	3,053	0	0	
ORILLIA WATER PLANT	5,962	0	0	
OSHAWA WATER SYSTEM	1,685	0	0	
OTTAWA (BRITANNIA) WATER SYSTEM	3,623	0	0	
OTTAWA (LEMIEUX ISLAND) WATER SYSTEM	3,041	0	0	
OTTERVILLE WELL SUPPLY	2,640	0	0	

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OWEN SOUND (R H NEATH) WATER PLANT	3,015	1	1	The health-related ODWS was exceeded once for N-nitrosodimethylamine. This was a single isolated occurrence.
PAISLEY WATER PLANT	8,300	10	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded 10 times. The MOE inspection report indicated that the municipality was investigating options of creating a regional drinking-water system that would supply Paisley with potable water. In the interim, the municipality will be implementing a ultraviolet disinfection system and a chloramination treatment process to reduce concentrations of trihalomethanes.
PAYETTE (PENETANGUISENE) WELL SUPPLY	2,781	0	0	
PEMBROKE WATER PLANT	3,855	0	0	
PERTH WATER PLANT	3,851	0	0	
PETERBOROUGH WATER SYSTEM	3,635	0	0	

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PICTON WATER PLANT	3,500	3	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded 3 times. The municipality indicated that work to correct the situation is continuing.
PLANTAGENET WATER PLANT	7,581	0	0	
PORT COLBORNE WATER PLANT	2,912	0	0	
PORT DOVER WATER SYSTEM	2,538	0	0	
PORT ELGIN WATER PLANT	3,012	0	0	
PORT HOPE WATER PLANT	2,146	0	0	
PORT PERRY WELL SUPPLY	2,906	0	0	
PORT ROWAN WATER PLANT	2,490	0	0	
PRESCOTT WATER PLANT	3,574	0	0	
RAINY RIVER WATER PLANT	839	0	0	
RED LAKE WATER PLANT	1,104	0	0	
RED ROCK WATER PLANT	2,006	0	0	
RENFREW WATER PLANT	3,455	1	1	The health-related ODWS was exceeded once for turbidity. This was a single isolated occurrence.
ROCKLAND WATER PLANT	4,498	0	0	

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SAULT STE MARIE WATER PLANT	2,153	1	1	Low combined chlorine residual was reported once in the water distribution system. The MOE inspection report indicated that the municipality has increased the combined chlorine residual throughout the distribution system to ensure combined chlorine residuals remain at acceptable levels.
SAULT STE MARIE WELL SUPPLY	1,919	0	0	
SIMCOE WELL SUPPLY	2,933	0	0	
SIOUX LOOKOUT WATER PLANT	2,089	2	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded 2 times. The MOE inspection report indicated that the microfiltration backpulsing process was adjusted in an attempt to lower the trihalomethanes concentrations.
SMITHS FALLS WATER PLANT	3,325	1	1	The health-related ODWS was exceeded once for N-nitrosodimethylamine. This was a single isolated occurrence.
SMOOTH ROCK FALLS WATER PLANT	1,356	0	0	

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SOUTH GLENGARRY-GLEN WALTER WATER PLANT	3,692	0	0	
SOUTH PEEL (LAKEVIEW) WATER SYSTEM	1,755	0	0	
SOUTH PEEL (LORNE PARK) WATER SYSTEM	2,600	0	0	
SOUTHAMPTON WATER PLANT	2,779	0	0	
SAINT CATHARINES (DECEW) WATER PLANT AND CITY OF SAINT CATHARINES WATER DISTRIBUTION SYSTEM	3,880	1	1	Low free chlorine residual was reported once in the water distribution system. The City of Saint Catharines indicated that additional samples were taken from fire hydrants within the distribution system to determine the chlorine residuals in the watermain. Where low chlorine residuals are confirmed, fire hydrants are flushed to ensure chlorine residuals remain at acceptable levels.
SAINT ISIDORE WELL SUPPLY	3,867	0	0	
SAINT PASCAL WATER PLANT (CLARENCE TOWNSHIP)	2,139	0	0	
STONEY POINT (TILBURY NORTH) WATER SYSTEM	3,817	0	0	
STOUFFVILLE WELL SUPPLY	3,436	0	0	

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STRATFORD WELL SUPPLY	4,059	6	2	The health-related ODWS was exceeded 5 times for fluoride. Where natural levels of fluoride are measured between 1.5 milligrams per litre and 2.4 milligrams per litre, public and professional awareness is promoted to control excessive exposure to fluoride from other sources. Low free chlorine residual was reported once in the water distribution system. The municipality indicated that bacteriological results for water samples taken in the distribution system were within MOE regulations.
SUDBURY (DAVID ST) WATER PLANT	3,268	2	1	The health-related ODWS was exceeded 2 times for turbidity. The municipality indicated that upgrades, including micro-filtration, are being implemented to meet treatment requirements for surface water.

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SUDBURY (WAHNAPIAE) WATER SYSTEM	4,415	1	1	Low free chlorine residual was reported once in the water distribution system. The municipality indicated that fire hydrants were flushed and chlorine residuals were monitored to ensure free chlorine residuals remain at acceptable levels.
SUNDERLAND WELL SUPPLY	2,650	0	0	
TECUMSEH WATER PLANT	3,516	0	0	
TERRACE BAY WATER PLANT	1,167	0	0	
THAMESVILLE WELL SUPPLY	2,342	0	0	
THUNDER BAY (BARE POINT) WATER PLANT	2,832	0	0	
THUNDER BAY (LOCH LOMOND) WATER PLANT	3,330	0	0	
TILBURY WATER PLANT	4,730	1	1	The health-related ODWS was exceeded once for nitrate. The MOE inspection report indicated that the raw water source, from Lake Saint Clair, was influenced by agricultural runoff, weather conditions and by the Thames River. The operating authority indicated that the water plant will be decommissioned in 2004 and that potable drinking water will be supplied by the Wheatley drinking-water system.
TILLSONBURG WELL SUPPLY	3,388	0	0	

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TORONTO (F J HORGAN) WATER PLANT	1,930	0	0	
TORONTO (ISLAND) WATER PLANT	1,982	0	0	
TORONTO (R C HARRIS) WATER PLANT	2,970	1	1	The health-related ODWS was exceeded once for lead in the distribution system. This was a single isolated occurrence. The ODWS recommends that only the cold water supply be used for drinking / consumption and only after five minutes of flushing to clear the system of standing water.
TORONTO (R L CLARK) WATER PLANT	2,477	0	0	
TRENTON (VICTORIA ST PUMPING STATION)	2,336	0	0	
TRENTON WATER PLANT	3,943	1	1	The health-related ODWS criteria for trihalomethanes, which is based on a 4 quarterly running annual average in the distribution system, was exceeded once. This was a single isolated occurrence.
UNION (ESSEX COUNTY) AREA WATER SUPPLY	2,954	0	0	
VERMILLION BAY WATER PLANT	432	0	0	

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WALKERTON WELL SUPPLY	10,843	41	1	The health-related ODWS was exceeded 41 times for selenium. A groundwater study conducted by the MOE showed that selenium in the municipal supply wells are naturally present due to the influence of a geological formation, known as the Salina Formation, which contains rocks that leach selenium into the groundwater. The local Health Unit is aware of the situation and indicates that selenium is not a health concern at the levels detected in Walkerton. The Ministry and the Health Unit will continue to monitor the situation.
WALLACEBURG WATER PLANT	3,828	0	0	

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WALPOLE ISLAND WATER PLANT	3,916	2	2	The health-related ODWS was exceeded once for turbidity. This was a single isolated occurrence. Low free chlorine residual was reported once in the water distribution system. Walpole Island is a First Nations drinking-water system, which falls under Federal jurisdiction. For these types of drinking-water systems that are monitored by the DWSP, MOE has protocols in place to inform these systems of incidents of adverse water quality as prescribed by the Drinking-Water Systems Regulation (O. Reg. 170/03).
WATERFORD WELL SUPPLY	3,687	0	0	
WATERLOO WELL SUPPLY	3,603	0	0	
WAWA WATER SYSTEM	3,187	1	1	The health-related ODWS was exceeded once for fluoride. This was a single isolated occurrence.

Table A: DWSP Monitoring Results Summary Table for Years 2000 - 2002

Drinking-Water System Monitored by DWSP	Total Number of Tests (Chemical, Physical, Radiological) Performed	Number of Tests Indicating Adverse Water Quality in Treated Drinking Water and Water in the Distribution System	Number of Parameters Indicating Adverse Water Quality in Treated Drinking Water and Water in the Distribution System	Summary
WELLAND WATER PLANT AND TOWN OF PELHAM WATER DISTRIBUTION SYSTEM	3,895	1	1	Low free chlorine residual was reported once in the Town of Pelham water distribution system. The MOE inspection report indicated that, for water samples taken under O.Reg. 459/00, there have been no instances of low free chlorine residuals found in this water distribution system.
WHITBY WATER PLANT	1,663	0	0	
WINDSOR WATER SYSTEM	3,624	2	1	The health-related ODWS was exceeded 2 times for lead at the same location in the distribution system. This was an isolated plumbing problem at one house, which has since been rectified. The ODWS recommends that only the cold water supply be used for drinking / consumption and only after five minutes of flushing to clear the system of standing water.
WOODSTOCK WELL SUPPLY	3,564	0	0	