

WATER AND WASTEWATER TREATMENT WORKS IN ONTARIO



Dec. 31, 1977



Ministry
of the
Environment

Hon. Harry C. Parrott, D.D.S.,
Minister

K. H. Sharpe,
Deputy Minister

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Water and Wastewater Treatment Works in Ontario

Dec. 31, 1977

Management Information Group
prepared by: Municipal and Private Section
Pollution Control Branch

416/965-1655

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INTRODUCTION

The Ministry of the Environment is concerned with the protection and enhancement of the natural environment. And to meet this objective, one of its goals is to ensure the sound management of wastes and water resources across the province. In this regard, the Ministry inspects and regulates all communal water and wastewater facilities, and monitors the performance of the treatment plants and their effluent qualities with routine and special sampling programs. The administration of these services and programs is carried out on a regional basis. To complement the sampling programs and the various water quality management programs, the Municipal and Private Section of the Pollution Control Branch in co-operation with our Regional offices has produced this publication from its EDP systems to provide a comprehensive listing of all wastewater and water treatment facilities operating in Ontario.

Format Of The Publication

This publication has two major parts. PART I lists the wastewater treatment works and PART II lists the water works facilities. Each part begins with a brief description of the various treatment methods which is followed by a summary of the existing treatment types and their hydraulic capacities for the entire province. This is followed by a complete listing of the works.

Since the delivery of programs and services by this Ministry is carried out on a regional basis, it is therefore, logical to group these treatment works under the Ministry's six regions. Accordingly each one of our regions is first defined by means of a map page and then all treatment works for that particular region are listed alphabetically by municipality. An additional list has been prepared of the plants which are located in each of the larger or regional municipalities.

Very large systems, which serve more than one municipality, are shown at the end of each region's data and the definition of these, 'area systems' is described below.

Area-Systems - "Area Wastewater Treatment Systems" And "Area Water Supply Systems"

When a municipality experiences sustained growth, eventually the serviced area of its treatment facility extends beyond its municipal boundaries. Once this condition occurs to the point where it becomes necessary to size the treatment works and major service mains to accomodate a much larger area, the system is, for the purposes of this publication, defined as an "Area Wastewater Treatment System", or an "Area Water Supply System".

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PART -- I

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PART 1 - WASTEWATER TREATMENT

The release of untreated sanitary wastes to a watercourse, particularly in the immediate discharge area, renders the watercourse unusable for practically all purposes. This condition creates a threat to public health and is disruptive to plant and animal life cycles; consequently, the adequate treatment of wastes to produce satisfactory effluent for discharge to a watercourse is a major concern of this Ministry. The use of a particular body of water for the assimilation and dilution of treated wastes must also require consideration of the other uses to which that same body of water may be put such as public, agricultural and industrial water supply, recreation, aesthetic enjoyment and the propagation of fish and wildlife. It is important to note that the water resources of Ontario must meet many needs, consequently, guidelines and criteria for water quality have been created. For each use of water there are certain water quality characteristics, which are identified as criteria and a full discussion of these is contained in a booklet entitled, "Guidelines and Criteria for Water Quality Management in Ontario". Copies may be obtained for a nominal charge from the Provincial Book Store at 880 Bay Street, Toronto (Telephone: 965-2052).

There are many types of wastewater treatment processes for sanitary wastes but the major treatment methods are only variations of the principles which nature uses to purify a river or other body of water. Basically the more essential factors such as sedimentation and the biological breakdown of wastes are speeded up in the treatment plant, with the end result being a quality product which places a minimum amount of strain on the environment. Recently, a chemical method of treatment to reduce the phosphorus content of the effluent has been adapted to the various treatment types and this is seen to be a key factor in controlling nuisance algae in a watercourse.

At present, three basic stages or major treatment methods, are employed in Ontario and these may be categorized as "primary", "secondary" and "tertiary" treatment. In the primary stage, solids are allowed to settle and are removed as sludge from the water. The secondary stage uses biological processes to purify the wastewater even further. Tertiary processes are now being installed at specified locations to meet more stringent receiving water quality requirements.

It is important to note that over **78%**, of Ontario's seweraged wastewaters now receive secondary treatment or better.

The efficiency of all treatment processes whether primary, secondary or tertiary are generally rated in terms of the percentage removal of Biochemical Oxygen Demand (BOD) and the percentage removal of Suspended Solids (SS). BOD is simply the amount of oxygen uptake by bacteria to decompose the wastes and 'SS' are the organic and inorganic substances suspended in the wastewater.

1. PRIMARY TREATMENT

Wastes entering a plant for treatment, normally pass through a screen to remove certain items such as rags or sticks etc. which may clog pumps or pipes. After screening, the wastes are directed into a grit chamber where sand and small stones etc., are allowed to settle. With the grit removed, the mechanics of settling are further employed to remove the inorganic matter and suspended solids in a primary sedimentation tank or clarifier. The material (sludge) which has finally settled is removed to a digester or other treatment facility where it is suitably stabilized prior to final disposal. Primary treatment generally removes 40 to 60 percent of the suspended solids and in so doing it achieves 30 to 50 percent reduction of BOD. To complete primary treatment, the effluent from the clarifier is usually chlorinated before being discharged to a receiving stream, river or lake. Chlorination reduces the number of disease causing bacteria. The effluent produced from primary treatment is of a lower standard of quality than is achieved in secondary treatment; consequently, this form of treatment is used only when it will meet the water quality requirements of the receiving body of water.

2. SECONDARY TREATMENT

The secondary stage of treatment removes up to 90% of the BOD through the action of bacteria and is commonly referred to as biological treatment. The term biological refers to the micro-organisms present in the wastewater and these are utilized to break down the organic matter with the end result being a settleable material (sludge), which may be removed and a clear liquid effluent.

There are various forms of secondary treatment but the 'activated sludge process' is by far the most popular method used today. Other forms of secondary treatment such as lagoons and trickling filters are also being used in Ontario but to a lesser extent.

2.1 ACTIVATED SLUDGE PROCESS

The activated sludge process reduces the organic content of the wastes in as short a time as possible by efficiently maintaining the biological activity on the incoming wastes. This is done by introducing a highly developed bacterial community, 'activated sludge', to the new wastes as soon as possible, usually at the agitation and aeration sections. The efficiency of this process is ensured by providing a suitable environment for the micro-organisms, which means, supplying optimum amounts of food in the form of wastes, oxygen through aeration and a temperature high enough to maintain the desired growth of the microbes.

The following treatment types, are modifications of the activated sludge process.

a) Conventional Secondary (Conventional Activated Sludge Process)

In this process, the effluent from the primary treatment stage is conveyed to an aeration section where it is thoroughly mixed by the introduction of air for approximately 6 to 8 hours. The air provides sufficient oxygen and contact through agitation with the new wastes to ensure that an efficient decomposition of the wastes occurs. An optimum balance between the incoming food, (primary effluent) and the population of the mixed biological community is maintained by adding a portion of the activated sludge to the beginning of the aeration section. Excess activated sludge together with some liquids are directed to the digesters where they receive further treatment. A clear high quality effluent is produced and the removal of BOD and suspended solids ranges from 90 to 95 percent.

b) High Rate

The high rate modification was developed by overloading the conventionally designed activated sludge plants. The organic load in the aeration sections is the highest of any of the other variations of the activated sludge process and the aeration time is proportionately shorter (1 to 3 hours). Excess activated sludge and some liquids are placed in a digester where they are stabilized before final disposal. A higher volume of wastes may be handled in a shorter period of time, which makes for a more economical operation. A primary treatment section may or may not be present, and this method is generally used where industrial wastes are encountered.

The high rate type of treatment is reported to have a removal rate for BOD and suspended solids in the 80 to 85 percent range.

c) Extended Aeration

The incoming wastes are immediately placed in an aeration section without primary settling and a longer aeration time is employed usually 18 to 24 hours. Due to the long aeration period a more complete decomposition or oxidation of the wastes occurs.

As with the conventional secondary, a high level of biological activity is maintained throughout the aeration tank by returning some of the activated sludge to the raw sewage influent. Excess activated sludge together with some liquids are placed in a holding tank or sometimes a digester prior to final disposal. The reduction in BOD is usually in excess of 90%.

d) Contact Stabilization

This modification provides a means of varying the contact time between the incoming wastes and the activated sludge. The initial operation is done in a small chamber called a contact aeration tank and usually lasts for 1 or 2 hours. After this short aeration period the wastes undergo settling and the resulting sludge is re-aerated for a further 2 to 6 hours. The total aeration time of the sludge ranges from 3 to 8 hours which allows for the production of the activated sludge required in the contact aeration tank. Excess activated sludge together with some liquids are placed in a holding tank or sometimes a digester prior to final disposal.

The removal of suspended solids and BOD is similar to the conventional secondary method.

e) Oxidation Ditch

An oxidation ditch is a retention channel constructed in the shape of a race track which is equipped with a rotary aerating device, which circulates the wastewater around the channel where the activated sludge process is employed. After the required retention time the treated wastewater is drawn off as new wastes are added, and placed in a settling tank where the sludge is collected and then either returned to the ditch or removed for final disposal. The effluent from the settling tank is clear and of good quality. The removal of BOD and suspended solids ranges from 85 to 90 percent. This process is similar to extended aeration and is usually used in smaller communities.

2.2 LAGOONS, AERATED CELL OR AERATED LAGOON

A lagoon is a flat bottomed structure composed of earth dikes and sized to retain the wastewater for a designated period of time. The lagoon employs many complex systems working together in a cyclical manner. For example, the bacteria converts the organic matter into available plant food and promotes the growth of algae, which is one of the simplest forms of plant life. The algae, with the aid of sunlight, produces oxygen which is required to maintain good bacterial activity on the incoming wastes. Also, the bacteria, with sufficient food (wastes), grow and give off carbon dioxide, which is needed to sustain the algae's life cycle. During the retention period these natural processes work together to decompose and effectively stabilize the wastes. The efficiency of these processes are dependent on several factors such as liquid depth, temperature, algae growth, waste characteristics, etc. When conditions are at an optimum, then a good quality effluent may be expected.

Some lagoons, or waste stabilization ponds may be aerated, by either mechanical stirring or the bubbling of air into one small cell (aerated cell) or throughout the entire lagoon (aerated lagoon). Aeration reduces the retention period, increases the capacity of the existing lagoon and is useful in treating some industrial wastes. 80 to 85 percent removal of BOD and suspended solids may be expected.

2.3 Trickling Filter

The trickling filter is simply a bed of stones from 3 to 6 feet deep to which primary treated sewage is equally distributed. Bacteria adhere to and multiply on the surfaces of these stones until they can consume most of the organic matter. Treated water trickles out through a network of pipes in the bottom of the filter where it is collected and directed to a final clarifier before final disposal. BOD and suspended solids removal by this process has been reported from 75 to 90 percent. Trickling filters have generally been employed in the more temperate climates.

3. TERTIARY TREATMENT

Tertiary treatment processes are applied to secondary effluents to further upgrade the effluent quality for specific receiving water needs.

In Ontario, the only tertiary processes being used on a municipal scale are polishing lagoons and tertiary effluent filtration. These are designated as "effluent polishing" in this publication.

a) Polishing Lagoons

Polishing lagoons offer an opportunity for increased BOD and suspended solids removal at a minimum of cost but require a relatively large land area. Secondary effluent is passed into lagoon where it is retained for several days while the algae-bacterial symbiotic relationship is encouraged to optimize oxidation of the organic waste. A fairly consistent removal of BOD is maintained throughout the year. There is a marked increase in effluent SS during the summer months when algal activity is at its peak and this constitutes a major disadvantage of the polishing lagoon. BOD removals in the order of 40 to 60% from a secondary effluent may be achieved.

b) Effluent Filtration

Filtration of secondary effluent is the most widely applied tertiary process in Ontario. A well designed and operated tertiary filter should achieve a good lowering of suspended solids and is effective in reducing BOD and total phosphorus.

4. PHOSPHORUS REMOVAL

Treatment for phosphorus basically consists of the addition of a chemical which through precipitation lowers the phosphorus in the effluent to a specified amount. Phosphorus must be reduced to one part per million (1 ppm) in all designated plants in the Lower Great Lakes drainage basin. Designated plants in the Upper Great Lakes and Ottawa River drainage basins must reduce influent phosphorus by 80 percent or to 1 ppm. Phosphorus removal facilities can be incorporated into any existing treatment works and the chemicals generally used are lime, aluminum salts or iron salts. New chemicals to be used in any plant must first undergo treatability studies to determine if the desired reduction of phosphorus is achieved with no upset in plant operation and to ensure that the quality of effluent has not suffered any deterioration.

Important side benefits of increased removal of organic material and suspended solids occur when phosphorus treatment is employed in primary plants and lagoons with seasonal discharge. Secondary plants and continuous discharge lagoons do not enjoy these benefits; however, secondary plants report better settling in the final stages.

PROVINCIAL SUMMARY

<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	39	233,470
CONVENTIONAL SECONDARY	89	714,071
MODIFIED SECONDARY	2	5,700
CONTACT STABILIZATION	17	14,015
EXTENDED AERATION	51	54,180
TRICKLING FILTER	3	8,100
HIGH RATE	6	18,220
AERATED LAGOON	1	.608
CONVENTIONAL LAGOON CONTINUOUS	26	8,734
CONVENTIONAL LAGOON SEASONAL	84	19,817
LAGOON WITH SPRAY	3	.390
AERATED CELL PLUS LAGOON	10	5,664
OXIDATION DITCH	8	3,200
AERATED CELL	1	.290
TOTAL MINISTRY OPERATED WORKS	201	302,311
TOTAL MUNICIPALLY OPERATED WORKS	139	784,148
TOTAL TREATMENT WORKS	<u>340</u>	<u>1,086,459</u>

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

Southwestern Region

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Ministry
of the
Environment
Ontario

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SOUTHWESTERN REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	5	45.470
CONVENTIONAL SECONDARY	18	76.300
CONTACT STABILIZATION	1	.400
EXTENDED AERATION	8	7.691
HIGH RATE	1	.860
CONVENTIONAL LAGOON CONTINUOUS	8	2.063
CONVENTIONAL LAGOON SEASONAL	34	8.707
AERATED CELL PLUS LAGOON	4	2.664
OXIDATION DITCH	3	2.245
AERATED CELL	1	.290
TOTAL MINISTRY OPERATED WORKS	60	40.288
TOTAL MUNICIPALLY OPERATED WORKS	23	106.402
TOTAL TREATMENT WORKS	83	146.690

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

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 10 - 19 - 1
 5 - 9 - 3
 1 - 4 - 9 - 18 / 23
 5 - 9 - 11 / 34

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
AMHERSTBURG TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	✓ 1.000	DETROIT RIVER	MUNICIPALITY
AYLMER TOWN AYLMER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.540	CATFISH CREEK	MINISTRY
BELLE RIVER TOWN BELLE RIVER WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	✓ 1.500	LAKE ST. CLAIR	MINISTRY
BELMONT VILLAGE BELMONT LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.124	KETTLE CREEK	MINISTRY
BLENHEIM TOWN BLENHEIM LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.400	CAMERON DR. MCGREGOR CK.	MUNICIPALITY
CHATHAM CITY CHATHAM WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	✓ 4.500	THAMES RIVER	MINISTRY
CHESLEY TOWN CHESLEY LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.193	NORTH SAUGEEN RIVER	MINISTRY
CLINTON TOWN MUNICIPAL PLANT	CONTACT STABILIZATION	.400	HAYFIELD RIVER	MUNICIPALITY
DOVER TOWNSHIP MITCHELL'S BAY LAGOON	CONVENTIONAL LAGOON TOTAL RETENTION	.023	(LAKE ST. CLAIR)	MINISTRY
DRESDEN TOWN DRESDEN WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	✓ 1.000	SYDENHAM RIVER	MINISTRY
DUNDALK VILLAGE DUNDALK LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.143	FOLEY DRAIN TO GRAND R.	MINISTRY
DURHAM TOWN DURHAM LAGOON	AERATED CELL CONTINUOUS	.290	SAUGEEN RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE		CAPACITY (MGD)	WATERCOURSE	OPERATED BY
DUTTON VILLAGE DUTTON LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.070	BENNETT CK. TO L. ERIE	MINISTRY
EAST ZOKRA-TAVISTOCK TOWNSHIP TAVISTOCK LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.170	THAMES RIVER	MINISTRY
ENNISKILLEN TOWNSHIP OIL CITY LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.054	BLACK CREEK	MINISTRY
ESSEX TOWN ESSEX LAGOON N.E.	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	CONTINUOUS	.240	PUCE RIVER DRAIN	MINISTRY
ESSEX TOWN ESSEX LAGOON S.W.	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	CONTINUOUS	.360	CANARD RIVER	MINISTRY
EXETER TOWN EXETER LAGOON	CONVENTIONAL LAGOON	SEASONAL	.220	AUSABLE RIVER	MINISTRY
FOREST TOWN FOREST LAGOON	CONVENTIONAL LAGOON	SEASONAL	.300	HICKORY CREEK	MINISTRY
GLENCOE VILLAGE GLENCOE LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.200	NEWBIGGEN CREEK	MINISTRY
GODERICH TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY		✓ 1.000	LAKE HURON	MUNICIPALITY
GUSFIELD N. TOWNSHIP COTTAM LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.200	MADDOX DRAIN TO BELLE R.	MINISTRY
HANOVER TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY		.800	SAUGEEN RIVER	MUNICIPALITY
HARROW TOWN HARROW LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL	.450	CEDAR CREEK	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
HENSALL VILLAGE HENSALL LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.100	CREEK TO AUISABLE RIVER	MINISTRY
INGERSOLL TOWN INGERSOLL WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.250	THAMES RIVER	MINISTRY
KINCARDINE TOWN KINCARDINE LAGOON	AERATED CELL PLUS LAGOON	1.300	LAKE HURON	MINISTRY
KINGSVILLE TOWN MUNICIPAL PLANT	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.430	WIGLE CREEK	MUNICIPALITY
LEAMINGTON TOWN LEAMINGTON WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	4.200	LAKE ERIE	MUNICIPALITY
LISTOWEL TOWN LISTOWEL LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	1.000	CHAPMAN DRAIN	MINISTRY
LONDON CITY VAUXHALL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	THAMES RIVER	MUNICIPALITY
LONDON CITY OXFORD PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.200	THAMES RIVER	MUNICIPALITY
LONDON CITY GREENWAY PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	27.350	THAMES RIVER	MUNICIPALITY
LONDON CITY ADELAIDE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	THAMES RIVER	MUNICIPALITY
LONDON CITY POTTERSBUURG PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	5.100	THAMES RIVER	MUNICIPALITY
LUCAN VILLAGE LUCAN LAGOON	CONVENTIONAL LAGOON SEASONAL	.083	LITTLE AUISABLE RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MARKDALE VILLAGE MARKDALE LAGOON	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL (total retention in summer)	.140	ROCKY SAUGEEN RIVER	MINISTRY
MEAFORD TOWN MEAFORD WPCP	HIGH RATE	.860	GEORGIAN BAY	MINISTRY
MILDMAY VILLAGE MILDMAY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.213	OTTER CREEK	MINISTRY
MILVERTON VILLAGE MILVERTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.080	BOYLE DRAIN	MINISTRY
MITCHELL TOWN MITCHELL LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.670	THAMES RIVER	MINISTRY
MOORE TOWNSHIP COURTRIGHT PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.150	ST CLAIR RIVER	MINISTRY
MOORE TOWNSHIP BRIGDEN POLICE VILLAGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	BEAR CREEK	MINISTRY
MOORE TWP TOWNSHIP CORUNNA POLICE VILLAGE PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.320	ST. CLAIR RIVER	MINISTRY
NORWICH TOWNSHIP NORWICH LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	BIG OTTER CREEK	MINISTRY
OIL SPRINGS VILLAGE OIL SPRINGS LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL (possible 150 day spray)	.100	BLACK CREEK	MINISTRY
OWEN SOUND CITY OWEN SOUND WPCP	PRIMARY PHOSPHORUS REMOVAL	5.400	GEORGIAN BAY	MINISTRY
PAISLEY VILLAGE PAISLEY WPCP	OXIDATION DITCH	.155	SAUGEEN RIVER	MINISTRY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
PETROLIA TOWN PETROLIA LAGOON	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.320	BEAR CREEK	MINISTRY
POINT EDWARD VILLAGE POINT EDWARD WPCP	PRIMARY PHOSPHORUS REMOVAL	.570	ST. CLAIR RIVER	MINISTRY
PORT ELGIN TOWN PORT ELGIN WPCP	OXIDATION DITCH	✓ 1.420	SAUGEEN RIVER	MUNICIPALITY
PORT STANLEY VILLAGE PORT STANLEY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.323	DITCH TO KETTLE CREEK	MINISTRY
RALEIGH TOWNSHIP S.W. REGIONAL CENTRE (MGS)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.500	LAKE ERIE	MINISTRY OF GOV'T SERVICES
RALEIGH & TILBURY E TOWNSHIP MERLIN POLICE VILLAGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.205	FOXTON TO JEANETTES CK.	MINISTRY
RIDGETOWN TOWN RIDGETOWN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.350	GAWNE DR TO MCGREGOR CK	MINISTRY
RODNEY VILLAGE RODNEY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	SIXTEEN MILE CK.	MINISTRY
SARNIA TOWNSHIP BRIGHT'S GROVE POLICE VILLAGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.555	CREEK TO L. HURON	MINISTRY
SARNIA CITY MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	✓ 14.500	ST. CLAIR RIVER	MUNICIPALITY
SEAFORTH TOWN SEAFORTH LAGOON	CONVENTIONAL LAGOON SEASONAL	.300	CRESSWELL CREEK	MINISTRY
SOMBRA TOWNSHIP SOMBRA LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.280	ST. CLAIR RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
SOMBRA TOWNSHIP PORT LAMBTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.320	MARSHY CK. TO ST. CLAIR R.	MINISTRY
SOUTHAMPTON TOWN SOUTHAMPTON WPCP	OXIDATION DITCH	.670	SAUGEEN R.	MINISTRY
ST EDMUNDS TOWNSHIP TOBERMORY AREA LAGOON	AERATED CELL PLUS LAGOON	.084	LAKE HURON	MUNICIPALITY
ST MARY'S SEPARATED TOWN ST MARY'S WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.800	THAMES RIVER	MINISTRY
ST THOMAS CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	✓ 4.500	KETTLE CREEK	MUNICIPALITY
STRATFORD CITY STRATFORD WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	✓ 6.000	AVON RIVER	MINISTRY
STRATHROY TOWN STRATHROY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.600	SYDENHAM RIVER	MUNICIPALITY
THORNBURY TOWN THORNBURY LAGOON	AERATED CELL PLUS LAGOON	.280	BEAVER RIVER	MINISTRY
TILBURY TOWN TILBURY LAGOON	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.360	TILBURY CREEK	MUNICIPALITY
TILBURY WEST TOWNSHIP COMBER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	GOVNIT DR NO. 1 TO BIG CK	MINISTRY
TILLSONBURG TOWN TILLSONBURG WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	✓ 1.800	BIG OTTER CREEK	MINISTRY
WALKERTON TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	✓ 1.000	SAUGEEN RIVER	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WALLACEBURG TOWN WALLACEBURG WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	✓ 1.500	SYDENHAM RIVER	MINISTRY
WATFORD VILLAGE WATFORD LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	BEAR CREEK	MINISTRY
WEST LORNE VILLAGE WEST LORNE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.147	ZOLLER DRAIN	MINISTRY
WESTMINSTER TOWNSHIP SOUTHLAND PARK PLANT LAMBETH	EXTENDED AERATION PHOSPHORUS REMOVAL	.058	DINGMAN CREEK	MUNICIPALITY
WESTMINSTER TWP TOWNSHIP WESTMINSTER WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.250	DINGMAN CREEK	MINISTRY
WIARTON TOWN WIARTON LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.150	COLPOY BAY	MINISTRY
WINDSOR CITY LITTLE RIVER PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	✓ 8.000	LITTLE RIVER	MUNICIPALITY
WINDSOR CITY WESTERLY PLANT	PRIMARY PHOSPHORUS REMOVAL	✓ 24.000	DETROIT RIVER	MUNICIPALITY
WINGHAM TOWN WINGHAM LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.300	MAITLAND RIVER	MINISTRY
WOODSTOCK CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	✓ 4.500	THAMES RIVER	MUNICIPALITY
ZURICH VILLAGE ZURICH LAGOON	CONVENTIONAL LAGOON SEASONAL	.130	MAIN DRAIN TO L. HURON	MINISTRY

SOUTHWESTERN REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems

2

Total Capacity (MIGD)

33,500

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: MAIDSTONE - BELLE RIVER POLLUTION CONTROL

Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: The Ministry of the Environment

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
BELLE RIVER TOWN	Extended Aeration Phosphorus Removal	1.5	Belle River Town Maidstone Twp	Lake St Clair

SYSTEM: WINDSOR POLLUTION CONTROL

Number of Plants: TWO

Number of Municipalities Served: FOUR

Operated By: Windsor Public Utilities Commission

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
WINDSOR CITY (West Windsor Plant)	Primary Phosphorus Removal	24.0	Windsor City	Detroit River
WINDSOR CITY (Little River Plant)	Conventional Secondary Phosphorus Removal	8.0	Windsor City Tecumseh Town Sandwich West Sandwich South	Little River

West Central Region

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Ontario

Ministry
of the
Environment

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STONE CREEK
140 Centennial Pkwy. N.
416-561-7410

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Welland
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416-735-0431
Cambridge
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SIMCOE SUB-OFFICE
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WEST CENTRAL REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	3	13.900
CONVENTIONAL SECONDARY	27	188.537
MODIFIED SECONDARY	1	1.700
EXTENDED AERATION	5	1.096
HIGH RATE	1	2.050
CONVENTIONAL LAGOON CONTINUOUS	1	.130
CONVENTIONAL LAGOON SEASONAL	6	1.339
AERATED CELL PLUS LAGOON	3	1.720
OXIDATION DITCH	2	.342
TOTAL MINISTRY OPERATED WORKS	30	79.810
TOTAL MUNICIPALLY OPERATED WORKS	19	131.004
TOTAL TREATMENT WORKS	<u>49</u>	<u>210.814</u>

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ARTHUR VILLAGE ARTHUR LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.216	CONESTOGA RIVER	MINISTRY
BRANTFORD CITY BRANTFORD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.500	GRAND RIVER	MINISTRY
BRANTFORD TOWNSHIP AIRPORT STP	COMMUNAL SEPTIC TANK	.500	GRAND RIVER	MUNICIPALITY
CAMBRIDGE CITY HESPELER WPCP	HIGH RATE PHOSPHORUS REMOVAL	2.050	SPEED RIVER	MINISTRY
CAMBRIDGE CITY GALT WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.500	GRAND RIVER	MINISTRY
CAMBRIDGE CITY PRESTON WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.710	GRAND RIVER	MINISTRY
DELHI TOWNSHIP DELHI PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.700	BIG CREEK	MINISTRY
DUNDAS TOWN DUNDAS PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	DESJARDINS CANAL	MUNICIPALITY
DUNNVILLE TOWN MUNICIPAL PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	1.700	GRAND RIVER	MINISTRY
ELORA VILLAGE ELORA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.083	GRAND RIVER	MINISTRY
FERGUS TOWN FERGUS WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.100	GRAND RIVER	MINISTRY
FLAMBOROUGH TOWNSHIP WATERDOWN WPCP	CONVENTIONAL SECONDARY	.300	GRINDSTONE CREEK	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
FORT ERIE TOWN CRYSTAL BEACH PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.855	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN FORT ERIE PLANT	PRIMARY PHOSPHORUS REMOVAL	1.800	NIAGARA RIVER	MUNICIPALITY
GRAND VALLEY VILLAGE GRAND VALLEY WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.132	GRAND RIVER	MINISTRY
GRIMSBY TOWN WEST END LAGOON	AERATED CELL PLUS LAGOON	.250	LAKE ONTARIO	MUNICIPALITY
GRIMSBY TOWN BAKER ROAD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
GUELPH CITY MUNICIPAL PLANT THREE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	SPEED RIVER	MUNICIPALITY
GUELPH CITY MUNICIPAL PLANT ONE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	SPEED RIVER	MUNICIPALITY
GUELPH CITY MUNICIPAL PLANT TWO	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	SPEED RIVER	MUNICIPALITY
HALDIMAND TOWN HAGERSVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.200	SANDUSK CREEK	MINISTRY
HALDIMAND TOWN CALEDONIA PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.500	GRAND RIVER	MINISTRY
HALDIMAND TOWN CAYUGA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.200	GRAND RIVER	MINISTRY
HAMILTON CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY (phosphorus removal achieved) (with out chemical feed)	60.000	HAMILTON HARBOUR	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
HARRISTON TOWN HARRISTON LAGOON	CONVENTIONAL LAGOON SEASONAL	.219	MAITLAND RIVER	MINISTRY
KITCHENER CITY KITCHENER WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	28.000	GRAND RIVER	MINISTRY
MOUNT FOREST TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.540	SAUGEEN RIVER	MUNICIPALITY
NANTICOKE CITY JARVIS LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	SANDUSK CREEK	MINISTRY
NANTICOKE CITY PORT DOVER WPCP	PRIMARY PHOSPHORUS REMOVAL	2.100	LAKE ERIE	MINISTRY
NANTICOKE CITY WATERFORD LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.625	NANTICOKE CREEK	MINISTRY
NIAGARA FALLS CITY STAMFORD PLANT	PRIMARY PHOSPHORUS REMOVAL	10.000	CHIPPAWA POWER CANAL	MUNICIPALITY
NIAGARA ON THE LAKE TOWN NIAGARA-ON-THE-LAKE LAGOON	AERATED CELL PLUS LAGOON	.845	LAKE ONTARIO	MUNICIPALITY
NORFOLK TOWNSHIP PORT ROWAN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.160	DEDRICH CREEK	MINISTRY
ORANGEVILLE TOWN ORANGEVILLE WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.500	CREDIT RIVER	MINISTRY
PALMERSTON TOWN PALMERSTON WPCP	CONVENTIONAL SECONDARY	.150	WALLACE DRAIN	MINISTRY
PARIS TOWN MILVERTON	EXTENDED AERATION PHOSPHORUS REMOVAL	.500	GRAND RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
PORT COLBORNE CITY EAST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.850	WELLAND CANAL	MUNICIPALITY
PORT COLBORNE CITY WEST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.350	WELLAND CANAL	MUNICIPALITY
SHELBURNE TOWN SHELBURNE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.130	BOYNE RIVER	MINISTRY
SIMCOE TOWN SIMCOE WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.232	LYNN RIVER	MINISTRY
ST CATHARINES CITY PORT WELLER PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.370	PORT WELLER HARBOUR	MUNICIPALITY
ST CATHARINES CITY PORT DALHOUSIE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	13.500	LAKE ONTARIO	MUNICIPALITY
WATERLOO CITY WATERLOO WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	GRAND RIVER	MINISTRY
WELLAND CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.000	WELLAND RIVER	MUNICIPALITY
WELLESLEY TOWNSHIP WELLESLEY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.110	NITH RIVER	MINISTRY
WEST LINCOLN TOWNSHIP SMITHVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL	.344	TWENTY MILE CREEK	MUNICIPALITY
WILMOT TOWNSHIP BADEN PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.203	BADEN CREEK	MINISTRY
WILMOT TOWNSHIP NEW HAMBURG LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.280	NITH RIVER	MINISTRY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
WOOLWICH TOWNSHIP ELMIRA WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.680	CANAGAGTIGUE CREEK	MINISTRY
WOOLWICH TOWNSHIP ST JACOBS POLICE VILLAGE PLANT	OXIDATION DITCH PHOSPHORUS REMOVAL	.210	CONESTOGO RIVER	MINISTRY

WEST CENTRAL REGION

Regional Municipalities

Regional Municipalities

HALDIMAND NORFOLK

HAMILTON WENTWORTH

NIAGARA

WATERLOO

Total Capacity MIGD 183.744

REGIONAL MUNICIPALITY OF HALDIMAND NORFOLK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DELHI TOWNSHIP DELHI PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.700	BIG CREEK	MINISTRY
DUNNVILLE TOWN MUNICIPAL PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	1.700	GRAND RIVER	MINISTRY
HALDIMAND TOWN HAGERSVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.200	SANDUSK CREEK	MINISTRY
HALDIMAND TOWN CAYUGA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.200	GRAND RIVER	MINISTRY
HALDIMAND TOWN CALEDONIA PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.500	GRAND RIVER	MINISTRY
NANTICOKE CITY PORT DOVER WPCP	PRIMARY PHOSPHORUS REMOVAL	2.100	LAKE ERIE	MINISTRY
NANTICOKE CITY WATERFORD LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.625	NANTICOKE CREEK	MINISTRY
NANTICOKE CITY JARVIS LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.120	SANDUSK CREEK	MINISTRY
NORFOLK TOWNSHIP PORT ROWAN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.160	DEDRICH CREEK	MINISTRY
SIMCOE TOWN SIMCOE WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.232	LYNN RIVER	MINISTRY
<u>TOTAL CAPACITY</u>		<u>9.537</u>		

REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH

33

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
DUNDAS TOWN DUNDAS PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	DESJARDINS CANAL	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN WPCP	CONVENTIONAL SECONDARY	.300	GRINDSTONE CREEK	MUNICIPALITY
HAMILTON CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY (phosphorus removal achieved) (with out chemical feed)	60.000	HAMILTON HARBOUR	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>62.300</u>		

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
FORT ERIE TOWN CRYSTAL BEACH PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.855	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN FORT ERIE PLANT	PRIMARY PHOSPHORUS REMOVAL	1.800	NIAGARA RIVER	MUNICIPALITY
GRIMSBY TOWN WEST END LAGOON	AERATED CELL PLUS LAGOON	.250	LAKE ONTARIO	MUNICIPALITY
GRIMSBY TOWN BAKER ROAD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
NIAGARA FALLS CITY STAMFORD PLANT	PRIMARY PHOSPHORUS REMOVAL	10.000	CHIPPAWA POWER CANAL	MUNICIPALITY
NIAGARA ON THE LAKE TOWN NIAGARA-ON-THE-LAKE LAGOON	AERATED CELL PLUS LAGOON	.845	LAKE ONTARIO	MUNICIPALITY
PORT COLBORNE CITY WEST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.350	WELLAND CANAL	MUNICIPALITY
PORT COLBORNE CITY EAST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.850	WELLAND CANAL	MUNICIPALITY
ST CATHARINES CITY PORT DALHOUSIE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	13.500	LAKE ONTARIO	MUNICIPALITY
ST CATHARINES CITY PORT WELLER PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.370	PORT WELLER HARBOUR	MUNICIPALITY
WELLAND CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.000	WELLAND RIVER	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL	.344	TWENTY MILE CREEK	MUNICIPALITY

TOTAL CAPACITY58.164

REGIONAL MUNICIPALITY OF WATERLOO

35

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MTGD)	WATERCOURSE	OPERATED BY
CAMBRIDGE CITY GALT WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8,500	GRAND RIVER	MINISTRY
CAMBRIDGE CITY HESPELFR WPCP	HIGH RATE PHOSPHORUS REMOVAL	2,050	SPEED RIVER	MINISTRY
CAMBRIDGE CITY PRESTON WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3,710	GRAND RIVER	MINISTRY
KITCHENER CITY KITCHENER WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	28,000	GRAND RIVER	MINISTRY
WATERLOO CITY WATERLOO WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10,000	GRAND RIVER	MINISTRY
WELLESLEY TOWNSHIP WELLESLEY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.110	NITH RIVER	MINISTRY
WILMOT TOWNSHIP BADEN PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.203	BADEN CREEK	MINISTRY
WILMOT TOWNSHIP NEW HAMBURG LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.280	NITH RIVER	MINISTRY
WOOLWICH TOWNSHIP ST JACOB'S POLICE VILLAGE PLANT	OXIDATION DITCH PHOSPHORUS REMOVAL	.210	CONESTOGO RIVER	MINISTRY
WOOLWICH TOWNSHIP ELMIRA WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.680	CANAGAGIGUE CREEK	MINISTRY
<u>TOTAL CAPACITY</u>		<u>53,743</u>		



WEST CENTRAL REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems	Total Capacity (MIGD)
4	101,870

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: GRIMSBY / LINCOLN POLLUTION CONTROL

Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: Regional Municipality of Niagara

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
GRIMSBY TOWN (Baker Rd. WPCP)	Conventional Secondary Phosphorus Removal	4.0	Grimsby Town Lincoln Town	Lake Ontario

SYSTEM: HAMILTON POLLUTION CONTROL

Number of Plants: ONE

Number of Municipalities Served: THREE

Operated By: Regional Municipality of Hamilton Wentworth

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
HAMILTON CITY (Woodward Ave. Plant)	Conventional Secondary	60.0	Ancaster Town Hamilton City Stoney Creek Town	Hamilton Harbour

SYSTEM: ST. CATHARINES POLLUTION CONTROL

Number of Plants: TWO

Number of Municipalities Served: TWO

Operated By: Regional Municipality of Niagara

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
ST. CATHARINES CITY (Port Weller)	Conventional Secondary Phosphorus Removal	12.37	St. Catharines Thorold Town	Port Weller Harbour
ST. CATHARINES CITY (Port Dalhousie)	Conventional Secondary Phosphorus Removal	13.50	St. Catharines Thorold Town	Lake Ontario

SYSTEM: WELLAND POLLUTION CONTROL

Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: Regional Municipality of Niagara

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
WELLAND CITY	Conventional Secondary Phosphorus Removal	12.0	Pelham Town Welland City	Welland River



Central Region

③

Ministry
of the
Environment

Ontario

REGIONAL OFFICE

DON MILLS

150 Ferrand Dr.

416-424-3000

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12 Fairview Rd.

705-726-1730

Muskoka-Haliburton

Gravenhurst Shopping

Centre

705-687-3408

Peterborough

139 George St. N.

705-743-2972

Halton-Peel

125 Cross Ave. Oakville

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Huntsville Sub-Office

100 Main St. E.

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Central Region

③



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CENTRAL REGION SUMMARY

43

<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	2	5'450
CONVENTIONAL SECONDARY	30	412'305
MODIFIED SECONDARY	1	4'000
CONTACT STABILIZATION	3	2'290
EXTENDED AERATION	12	38'270
TRICKLING FILTER	2	8'000
HIGH RATE	2	2'860
CONVENTIONAL LAGOON CONTINUOUS	3	2'755
CONVENTIONAL LAGOON SEASONAL	11	2'840
LAGOON WITH SPRAY	1	.200
AERATED CELL PLUS LAGOON	2	.680
OXIDATION DITCH	3	.613
TOTAL MINISTRY OPERATED WORKS	22	95'233
TOTAL MUNICIPALLY OPERATED WORKS	50	385'030
TOTAL TREATMENT WORKS	<u>72</u>	<u>480'263</u>

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
AJAX TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.100	DUFFIN CREEK	MUNICIPALITY
AJAX TOWN PICKERING WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.400	DUFFIN CREEK	MUNICIPALITY
ALLISTON TOWN ALLISTON WPCP	EXTENDED AERATION	.770	BOYNE RIVER	MINISTRY
AURORA TOWN AURORA PLANT	EXTENDED AERATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	AURORA CREEK	MUNICIPALITY
BARRIE CITY MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	6.000	KEMPENFELT BAY	MUNICIPALITY
BEETON VILLAGE BEETON LAGOON	CONVENTIONAL LAGOON SEASONAL	.300	EXFILTRATE TO BEETON CR	MINISTRY
BICROFT IMPROVEMENT DISTRICT CARDIFF LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.100	MINK CREEK	MUNICIPALITY
BRACERRIDGE TOWN BRACERRIDGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.454	MUSKOKA RIVER	MUNICIPALITY
BRADFORD TOWN BRADFORD WPCP	HIGH RATE CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.860	SCHOMBERG RIVER	MINISTRY
BRIGHTON VILLAGE BRIGHTON LAGOON	CONVENTIONAL LAGOON SEASONAL	.136	BUTLER CREEK	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	BEAVERTON RIVER	MUNICIPALITY
BROCK TOWNSHIP BEAVERTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	LAKE SIMCOE	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
BURLINGTON CITY DRURY LANE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	LAKE ONTARIO	MINISTRY
BURLINGTON CITY SKYWAY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	20.000	HAMILTON HARBOUR	MINISTRY
CALEDON TOWN BOLTON PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.000	HUMBER RIVER	MUNICIPALITY
CAMPBELLFORD TOWN CAMPBELLFORD WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.300	TRENT RIVER	MINISTRY
COBourg TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	3.530	COBourg BROOK	MUNICIPALITY
COLBORNE VILLAGE COLBORNE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.090	COLBORNE CREEK	MUNICIPALITY
COLDWATER VILLAGE COLDWATER WPCP	EXTENDED AERATION	.120	COLDWATER RIVER	MINISTRY
COLLINGWOOD TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	4.200	GEORGIAN BAY	MUNICIPALITY
DYSART-ET-AL TOWNSHIP HALIBURTON WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.210	DRAG RIVER (GRASS LAKE)	MINISTRY
E. GWILLIMBURY TOWNSHIP HOLLAND LANDING LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	HOLLAND RIVER	MUNICIPALITY
ELMVALE VILLAGE ELMVALE LAGOON (2 CELLS 4.4 ACRES TOT)	CONVENTIONAL LAGOON CONTINUOUS	.165	WYE RIVER	MUNICIPALITY
FENELON FALLS VILLAGE FENELON FALLS WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.220	FENELON RIVER	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
GEORGINA TOWNSHIP SUTTON LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.450	BLACK RIVER	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.670	MUSKOKA LAKE	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	SILVER CREEK	MINISTRY
HALTON HILLS TOWN ACTON PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.625	BLACK CREEK	MUNICIPALITY
HASTINGS VILLAGE HASTINGS WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.233	TRENT RIVER	MINISTRY
HAVELOCK VILLAGE HAVELOCK LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.160	PLATO CREEK	MINISTRY
HUNTSVILLE TOWN HUNTSVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	MUSKOKA RIVER	MINISTRY
LAKEFIELD VILLAGE LAKEFIELD LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.240	OTONAREE RIVER	MINISTRY
LINDSAY TOWN LINDSAY LAGOON	CONVENTIONAL LAGOON CONTINUOUS AERATED CELL PHOSPHORUS REMOVAL	2.500	SCUGOG RIVER	MUNICIPALITY
MARKHAM TOWN MARKHAM TUDOR LANE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.800	ROUGE RIVER	MUNICIPALITY
MARKHAM TOWN THORN HILL PLANT (JOHN STREET PLANT)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.750	EAST DON RIVER	MUNICIPALITY
MARKHAM TOWN UNIONVILLE PLANT	CONVENTIONAL SECONDARY CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.800	ROUGE RIVER	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
METRO TORONTO CITY NORTH TORONTO PLANT (EAST YORK)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	DON RIVER	MUNICIPALITY
METRO TORONTO CITY HIGHLAND CREEK PLANT (SCARBOROUGH)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	32.000	HIGHLAND CREEK	MUNICIPALITY
METRO TORONTO CITY HUMBER PLANT (ETOBICOKE)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	62.500	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY MAIN PLANT (TORONTO)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	180.000	LAKE ONTARIO	MUNICIPALITY
MIDLAND TOWN MIDLAND WPCP	PRIMARY PHOSPHORUS REMOVAL	1.250	MIDLAND RAY	MINISTRY
MILLBROOK VILLAGE MILLBROOK WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.250	BAXTER CREEK	MINISTRY
MILTON TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.600	OAKVILLE CREEK	MUNICIPALITY
MISSISSAUGA CITY LAKEVIEW WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	50.000	LAKE ONTARIO	MINISTRY
MISSISSAUGA CITY CLARKSON WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	12.000	LAKE ONTARIO	MINISTRY
MUSKOKA LAKES TOWNSHIP BALA PLANT	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL	.020	LONG LAKE	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.120	INDIAN RIVER	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT TWO	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	SOPER CREEK	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	TRICKLING FILTER PHOSPHORUS REMOVAL	.500	SOPER CREEK	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE PLANT	EXTENDED AERATION	.280	LAKE ONTARIO	MUNICIPALITY
NEWMARKET TOWN NEWMARKET WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	HOLLAND RIVER	MUNICIPALITY
NORWOOD VILLAGE NORWOOD WPCP	OXIDATION DITCH PHOSPHORUS REMOVAL	.160	OUSE RIVER	MINISTRY
OAKVILLE TOWN SOUTH EAST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	LAKE ONTARIO	MUNICIPALITY
OAKVILLE TOWN SOUTH WEST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	LAKE ONTARIO	MUNICIPALITY
OMEMEE VILLAGE OMEMEE LAGOON	LAGOON WITH SPRAY PHOSPHORUS REMOVAL	.200	PIGEEON RIVER	MINISTRY
ORILLIA CITY ORILLIA PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	6.000	LAKE SIMCOE	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 1	TRICKLING FILTER PHOSPHORUS REMOVAL	7.500	LAKE ONTARIO	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 2	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	7.500	LAKE ONTARIO	MUNICIPALITY
PENETANGUISHENE TOWN MUNICIPAL PLANT	CONTACT STABILIZATION PHOSPHORUS REMOVAL	.660	PENETANG RAY	MUNICIPALITY
PETERBOROUGH CITY PETERBOROUGH PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	12.000	OTONAREE RIVER	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
PICKERING TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	LAKE ONTARIO	MUNICIPALITY
PORT HOPE TOWN PORT HOPE WPCP	HIGH RATE PHOSPHORUS REMOVAL	2.000	LAKE ONTARIO	MUNICIPALITY
PORT MC NICOLL VILLAGE PORT MC NICOLL WPCP	CONTACT STABILIZATION PHOSPHORUS REMOVAL	.230	GEORGIAN BAY	MINISTRY
RICHMOND HILL TOWN RICHMOND HILL WPCP (PUGSLEY WPCP)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.600	GERMAN MILLS CREEK	MUNICIPALITY
RICHMOND HILL TOWN NORTH DON PLANT	CONTACT STABILIZATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.400	LITTLE DON RIVER	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.400	LAKE SCUGOG	MUNICIPALITY
STAYNER TOWN STAYNER LAGOON	AERATED CELL PLUS LAGOON	.230	LAMONT CREEK	MINISTRY
TOTTENHAM VILLAGE MUNICIPAL PLANT	CONVENTIONAL LAGOON SEASONAL	.280	BEETON CREEK	MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.800	UXBRIDGE BROOK	MUNICIPALITY
VAUGHAN TOWN KLEINBERG PLANT	EXTENDED AERATION	.050	HUMBER RIVER	MUNICIPALITY
WHITBY TOWN CORBETT CREEK PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
WHITBY TOWN PRINGLE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.250	PRINGLE CREEK	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
WHITCHURCH - STOUFFVILLE TOWN STOUFFVILLE PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.550	DUFFIN CREEK	MUNICIPALITY

CENTRAL REGION

Regional Municipalities

Regional Municipalities

Total Capacity MIGD 403,189

DURHAM HALTON**PEEL YORK****METRO TORONTO****DISTRICT MUNICIPALITY OF MUSKOKA**

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
AJAX TOWN PICKERING WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.400	DUFFIN CREEK	MUNICIPALITY
AJAX TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.100	DUFFIN CREEK	MUNICIPALITY
BROCK TOWNSHIP BEAVERTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	LAKE SIMCOE	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.235	BEAVERTON RIVER	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	TRICKLING FILTER PHOSPHORUS REMOVAL	.500	SOPER CREEK	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE PLANT	EXTENDED AERATION	.280	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT TWO	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	SOPER CREEK	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 2	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	7.500	LAKE ONTARIO	MUNICIPALITY
OSHAWA CITY HARMONY CR NO 1	TRICKLING FILTER PHOSPHORUS REMOVAL	7.500	LAKE ONTARIO	MUNICIPALITY
PICKERING TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	LAKE ONTARIO	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.400	LAKE SCUGOG	MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
UXBRIDGE TOWNSHIP UXBRIDGE PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.800	UXBRIDGE BROOK	MUNICIPALITY
WHITBY TOWN CORBETT CREEK PLANT	MODIFIED SECONDARY PHOSPHORUS REMOVAL	4.000	LAKE ONTARIO	MUNICIPALITY
WHITBY TOWN PRINGLE PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.250	PRINGLE CREEK	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>32.700</u>		

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
BURLINGTON CITY SKYWAY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	20.000	HAMILTON RAY	MINISTRY
BURLINGTON CITY DRURY LANE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	LAKE ONTARIO	MINISTRY
HALTON HILLS TOWN GEORGETOWN WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	SILVER CREEK	MINISTRY
HALTON HILLS TOWN ACTON PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.625	BLACK CREEK	MUNICIPALITY
MILTON TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.600	OAKVILLE CREEK	MUNICIPALITY
OAKVILLE TOWN SOUTH EAST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.000	LAKE ONTARIO	MUNICIPALITY
OAKVILLE TOWN SOUTH WEST PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	LAKE ONTARIO	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>39.725</u>		

METRO TORONTO

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
METRO TORONTO CITY NORTH TORONTO PLANT (EAST YORK)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	10.000	DON RIVER	MUNICIPALITY
METRO TORONTO CITY HIGHLAND CREEK PLANT (SCARBOROUGH)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	32.000	HIGHLAND CREEK	MUNICIPALITY
METRO TORONTO CITY MAIN PLANT (TORONTO)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	180.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY HUMBER PLANT (ETOBICOKE)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	62.500	LAKE ONTARIO	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>284.500</u>		

DISTRICT MUNICIPALITY OF MUSKOKA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
BRACEBRIDGE TOWN BRACEBRIDGE LAGOON	CONVENTIONAL LAGOON PHOSPHORUS REMOVAL	SEASONAL .454	MUSKOKA RIVER	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	EXTENDED AERATION PHOSPHORUS REMOVAL	.670	MUSKOKA LAKE	MUNICIPALITY
HUNTSVILLE TOWN HUNTSVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	MUSKOKA RIVER	MINISTRY
MUSKOKA LAKES TOWNSHIP PORT CARLING WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL EFFLUENT POLISHING	.120	INDIAN RIVER	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP BALA PLANT	COMMUNAL SEPTIC TANK PHOSPHORUS REMOVAL	.020	LONG LAKE	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>2.264</u>		

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CALEDON TOWN BOLTON PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.000	HUMBER RIVER	MUNICIPALITY
MISSISSAUGA CITY LAKEVIEW WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	50.000	LAKE ONTARIO	MINISTRY
MISSISSAUGA CITY CLARKSON WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	12.000	LAKE ONTARIO	MINISTRY
<u>TOTAL CAPACITY</u>		<u>63.000</u>		

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
AURORA TOWN AURORA PLANT	EXTENDED AERATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	AURORA CREEK	MUNICIPALITY
E. GWILLIMBURY TOWNSHIP HOLLAND LANDING LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	HOLLAND RIVER	MUNICIPALITY
GEORGINA TOWNSHIP SUTTON LAGOON	AERATED CELL PLUS LAGOON PHOSPHORUS REMOVAL	.450	BLACK RIVER	MUNICIPALITY
MARKHAM TOWN UNIONVILLE PLANT	CONVENTIONAL SECONDARY CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.800	ROUGE RIVER	MUNICIPALITY
MARKHAM TOWN MARKHAM TUCLOR LANE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.800	ROUGE RIVER	MUNICIPALITY
MARKHAM TOWN THORN HILL PLANT (JOHN STREET PLANT)	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.750	EAST DON RIVER	MUNICIPALITY
NEWMARKET TOWN NEWMARKET WPCP	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	3.000	HOLLAND RIVER	MUNICIPALITY
RICHMOND HILL TOWN NORTH DON PLANT	CONTACT STABILIZATION EFFLUENT POLISHING PHOSPHORUS REMOVAL	1.400	LITTLE DON RIVER	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WPCP (PUGSLEY WPCP)	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.600	GERMAN MILLS CREEK	MUNICIPALITY
VAUGHAN TOWN KLEINBERG PLANT	EXTENDED AERATION	.050	HUMBER RIVER	MUNICIPALITY
WHITCHURCH - STOUFFVILLE TOWN STOUFFVILLE PLANT	CONVENTIONAL SECONDARY EFFLUENT POLISHING PHOSPHORUS REMOVAL	.550	DUFFIN CREEK	MUNICIPALITY

TOTAL CAPACITY13.700

CENTRAL REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems

2

Total Capacity (MGD)

347,250

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: METRO TORONTO POLLUTION CONTROL SYSTEM

Number of Plants: FOUR

Number of Municipalities Served: SEVEN

Operated By: METRO TORONTO DEPARTMENT OF WORKS

PLANT LOCATION	TREATMENT	CAPACITY (MGD)	MUNICIPALITIES SERVED	WATERCOURSE
EAST YORK BOROUGH North Toronto Plant	Conventional Secondary Phosphorous Removal	10.0	East York North York Toronto City	Don River
ETOBICOKE BOROUGH Humber Plant	Conventional Secondary Phosphorous Removal	62.5	Etobicoke Mississauga City North York York	Lake Ontario
SCARBOROUGH BOROUGH Highland Creek Plant	Conventional Secondary Phosphorous Removal	32.0	Scarborough	Highland Creek
TORONTO CITY Main Plant	Conventional Secondary Phosphorous Removal	180.0	East York North York Scarborough Toronto City	Lake Ontario

SYSTEM: SOUTH PEEL POLLUTION CONTROL SYSTEM

61

Number of Plants: THREE

Number of Municipalities Served: TWO

Operated By: MINISTRY OF ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MG/D)	MUNICIPALITIES SERVED	WATERCOURSE
MISSISSAUGA Clarkson Plant	Extended Aeration Phosphorous Removal	12.0	Mississauga Brampton	Lake Ontario
MISSISSAUGA Lakeview Plant	Conventional Secondary Phosphorous Removal	50.0	Mississauga Brampton	Lake Ontario
MISSISSAUGA Malton Plant M.O.E. Experimental Plant	Conventional Secondary	0.75	Mississauga Brampton	*

* Note: This plant discharges to a major trunk sewer which conveys wastes to the , 'Lakeview Plant'.



Southeastern Region

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Ministry
of the
Environment
Ontario

REGIONAL OFFICE

KINGSTON

133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville

15 Victoria Ave.
613-962-9208

Cornwall

4 Montreal Rd
613-933-7402

Ottawa

2378 Holly Lane
613-521-3450

Pembroke

1000 MacKay St.
P.O. Box 67
613-732-3643



④

Ontario



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KINGSTON

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SOUTHEASTERN REGION SUMMARY

65

<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	18	120.530
CONVENTIONAL SECONDARY	7	22.798
CONTACT STABILIZATION	2	2.540
EXTENDED AERATION	10	1.933
HIGH RATE	1	1.200
AERATED LAGOON	1	.608
CONVENTIONAL LAGOON CONTINUOUS	2	1.530
CONVENTIONAL LAGOON SEASONAL	16	4.107
LAGOON WITH SPRAY	1	.090
AERATED CELL PLUS LAGOON	1	.600
TOTAL MINISTRY OPERATED WORKS	37	32.495
TOTAL MUNICIPALLY OPERATED WORKS	22	123.441
TOTAL TREATMENT WORKS	<u>59</u>	<u>155.936</u>

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ALEXANDRIA TOWN ALEXANDRIA LAGOON	AFRATED CELL PLUS LAGOON	.600	DELISLE R	MINISTRY
ALFRED VILLAGE ALFRED LAGOON	CONVENTIONAL LAGOON SEASONAL	.157	RUISSAU DES ATOCAS	MINISTRY
ALMONTE TOWN ALMONTE LAGOON	CONVENTIONAL LAGOON SEASONAL AERATED CELL	1.200	MISSISSIPPI RIVER	MINISTRY
ARNPRIOR TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	1.500	MADAWASKA RIVER	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WPCP	EXTENDED AERATION	.400	YORK RIVER	MINISTRY
BARRY'S BAY VILLAGE BARRY'S BAY WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.273	KAMANISKEG LAKE	MINISTRY
BATH VILLAGE MUNICIPAL PLANT	CONVENTIONAL SECONDARY	.423	LAKE ONTARIO	MUNICIPALITY
BELLEVILLE CITY BELLEVILLE WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	BAY OF QUINTE	MINISTRY
BROCKVILLE CITY MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	3.750	ST LAWRENCE RIVER	MUNICIPALITY
CARDINAL VILLAGE CANADA STARCH LAGOON	AFRATED LAGOON	.608	ST. LAWRENCE RIVER	MUNICIPALITY
CARLETON PLACE TOWN CARLETON PLACE WPCP	HIGH RATE PHOSPHORUS REMOVAL	1.200	MISSISSIPPI RIVER	MINISTRY
CASSELMAN VILLAGE CASSELMAN LAGOON	CONVENTIONAL LAGOON SEASONAL	.130	S. NATION RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CHALK RIVER VILLAGE CHALK RIVER WPCP	EXTENDED AERATION CONTACT STABILIZATION	.080	DUCK CR TO DUCK LAKE	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE LAGOON	CONVENTIONAL LAGOON SEASONAL	.160	SOUTH NATION RIVER	MINISTRY
COBDEN VILLAGE MUNICIPAL PLANT	PRIMARY	.200	MUSKRAT RIVER	MUNICIPALITY
CORNWALL CITY CORNWALL WPCP	PRIMARY PHOSPHORUS REMOVAL	8.250	ST. LAWRENCE R.	MINISTRY
CORNWALL TOWNSHIP LONG SAULT PLANT	CONVENTIONAL SECONDARY	.300	ST. LAWRENCE R	MUNICIPALITY
CUMBERLAND TOWNSHIP BILBERRY CREEK PLANT	PRIMARY PHOSPHORUS REMOVAL	.800	OTTAWA RIVER	MUNICIPALITY
DEEP RIVER TOWN MUNICIPAL PLANT	PRIMARY	.480	OTTAWA RIVER	MUNICIPALITY
DELORO VILLAGE MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.008	MOIRA RIVER	MUNICIPALITY
DESERONTO TOWN DESERONTO WPCP	EXTENDED AERATION	.300	BAY OF QUINTE	MINISTRY
EGANVILLE VILLAGE EGANVILLE WPCP	EXTENDED AERATION	.168	BONNECHERE RIVER	MINISTRY
ERNESTOWN TOWNSHIP AMHERSTVIEW LAGOON	CONVENTIONAL LAGOON SEASONAL	.526	COLLINS CR. N. CHANNEL	MINISTRY
ERNESTOWN TOWNSHIP ODESSA WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.200	MILLHAVEN CREEK	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
FRANKFORD VILLAGE FRANKFORD WPCP	CONTACT STABILIZATION PHOSPHORUS REMOVAL	.540	TRENT RIVER	MINISTRY
GANANOQUE SEPARATED TOWN GANANOQUE LAGOON	CONVENTIONAL LAGOON CONTINUOUS AERATED LAGOON	.700	STOCKING CR GANANOQUE R	MINISTRY
GOULBOURN TOWNSHIP RICHMOND LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.100	JOCK RIVER	MINISTRY
IROQUOIS VILLAGE MUNICIPAL PLANT	PRIMARY	.500	ST. LAWRENCE RIVER	MUNICIPALITY
KEMPTVILLE TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	.500	KEMPTVILLE CREEK	MUNICIPALITY
KINGSTON CITY MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	13.500	ST LAWRENCE RIVER	MUNICIPALITY
KINGSTON TWP TOWNSHIP KINGSTON TWP WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.450	LAKE ONTARIO	MINISTRY
L'ORIGNAL VILLAGE L'ORIGNAL WPCP	EXTENDED AERATION	.190	OTTAWA RIVER	MINISTRY
LANCASTER VILLAGE LANCASTER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.090	FINNEY CREEK	MINISTRY
LEEDS & LANSLOWNE TOWNSHIP LANSLOWNE LAGOON	LAGOON WITH SPRAY (no discharge in 1977)	.090	LARUE MILLS CREEK	MINISTRY
MADOC VILLAGE MADOC LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.300	MOIRA RIVER	MINISTRY
MARMORA VILLAGE MARMORA STP	EXTENDED AERATION PHOSPHORUS REMOVAL	.191	CROWE RIVER	MINISTRY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MERRICKVILLE VILLAGE MERRICKVILLE WPCP	EXTENDED AERATION PHOSPHORUS REMOVAL	.110	RIDEAU RIVER	MINISTRY
MORRISBURG VILLAGE MUNICIPAL PLANT	PRIMARY CONVENTIONAL LAGOON CONTINUOUS	.500	ST. LAWRENCE RIVER	MUNICIPALITY
NAPANEE TOWN NAPANEE WPCP	PRIMARY PHOSPHORUS REMOVAL	.750	NAPANEE RIVER	MUNICIPALITY
NEPEAN TOWNSHIP WATTS CREEK PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	WATTS CREEK	MUNICIPALITY
OSNABRUCK TOWNSHIP INGLESIDE PLANT	PRIMARY	.300	ST. LAWRENCE RIVER	MUNICIPALITY
OTTAWA CITY GREEN CREEK PLANT	PRIMARY PHOSPHORUS REMOVAL	80.000	OTTAWA RIVER	MUNICIPALITY
PEMBROKE CITY PEMBROKE WPCP	PRIMARY PHOSPHORUS REMOVAL	2.500	OTTAWA RIVER	MUNICIPALITY
PERTH TOWN PERTH LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.830	TAY RIVER	MUNICIPALITY
PETAWAWA VILLAGE PETAWAWA PLANT (DEPT NAT DEF)	PRIMARY PHOSPHORUS REMOVAL	1.600	OTTAWA RIVER	MUNICIPALITY
PICTON TOWN MUNICIPAL PLANT	CONTACT STABILIZATION PHOSPHORUS REMOVAL	2.000	PICTON BAY	MUNICIPALITY
PITTSBURGH TOWNSHIP CANA SUBDIVISION PLANT	EXTENDED AERATION	.021	CATARAQUI RIVER	MINISTRY
PLANTAGENET VILLAGE PLANTAGENET LAGOON	CONVENTIONAL LAGOON SEASONAL	.130	SOUTH NATION RIVER	MINISTRY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
PRESCOTT SEPARATED TOWN PRESCOTT WPCP	PRIMARY PHOSPHORUS REMOVAL	1.000	ST. LAWRENCE RIVER	MINISTRY
RENFREW TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	1.900	BONNECHERE RIVER	MUNICIPALITY
ROCKLAND TOWN ROCKLAND LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	OTTAWA RIVER	MINISTRY
SIDNEY TWP TOWNSHIP BATAWA WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	.125	TRENT RIVER	MINISTRY
SMITHS FALLS SEPARATED TOWN MUNICIPAL PLANT	PRIMARY PHOSPHORUS REMOVAL	2.500	RIDEAU RIVER	MUNICIPALITY
ST. ISIDORE DE PRESCOTT VILLAGE ST ISIDORE LAGOON	CONVENTIONAL LAGOON SEASONAL	.144	SCOTCH RIVER	MINISTRY
STIRLING VILLAGE STIRLING LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.250	RAWDON CREEK	MINISTRY
TRENTON TOWN TRENTON WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	3.500	BAY OF QUINTE	MINISTRY
TWEED VILLAGE TWEED LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.266	MOIRA RIVER	MINISTRY
VANKLEEK HILL TOWN VANKLEEK HILL LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	LITTLE RIDEAU CREEK	MINISTRY
WESTPORT VILLAGE WESTPORT LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.054	UPPER RIDEAU LAKE	MINISTRY
WINCHESTER VILLAGE WINCHESTER LAGOON	CONVENTIONAL LAGOON SEASONAL	.200	CASTOR RIVER	MINISTRY

SOUTHEASTERN REGION

Regional Municipalities

Regional Municipalities

Total Capacity MIGD 88.900

OTTAWA CARLETON

REGIONAL MUNICIPALITY OF OTTAWA CARLETON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CUMBERLAND TOWNSHIP BILBERRY CREEK PLANT	PRIMARY PHOSPHORUS REMOVAL	.800	OTTAWA RIVER	MUNICIPALITY
GOULBOURN TOWNSHIP RICHMOND LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.100	JOCK RIVER	MINISTRY
NEPEAN TOWNSHIP WATTS CREEK PLANT	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	WATTS CREEK	MUNICIPALITY
OTTAWA CITY GREEN CREEK PLANT	PRIMARY PHOSPHORUS REMOVAL	80.000	OTTAWA RIVER	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>88.900</u>		

SOUTHEASTERN REGION

Area Wastewater Treatment Systems

Total Area Wastewater Treatment Systems

1

Total Capacity (MGD)

88,800

AREA WASTEWATER TREATMENT SYSTEMS

SYSTEM: OTTAWA-CARLETON POLLUTION CONTROL SYSTEM

Number of Plants: three

Number of Municipalities Served: seven

Operated By: Regional Municipality of Ottawa-Carleton

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	WATERCOURSE
CUMBERLAND TWP Bilberry Creek	Primary Phosphorus Removal	0.8	Cumberland TWP. Gloucester	Ottawa River
NEPEAN TWP. Watts Creek Plant	Conventional Secondary Phosphorus Removal	8.0	Goulbourn TWP. Nepean TWP. Ottawa City	Watts Creek
OTTAWA CITY Green Creek Plant	Primary Phosphorus Removal	80.0	Cumberland TWP. Gloucester Nepean TWP. Ottawa City Rockcliff Park Vanier	Ottawa River

Northeastern Region

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Ministry
of the
Environment

Ontario

REGIONAL OFFICE

SUDBURY

469 Bouchard St.
705-522-8282

DISTRICT OFFICES

North Bay

1500 Fisher St.
705-476-1001

Sault Ste. Marie

445 Albert St. E.
705-949-4640

Timmins

83 Algonquin Blvd. W.
705-264-9474

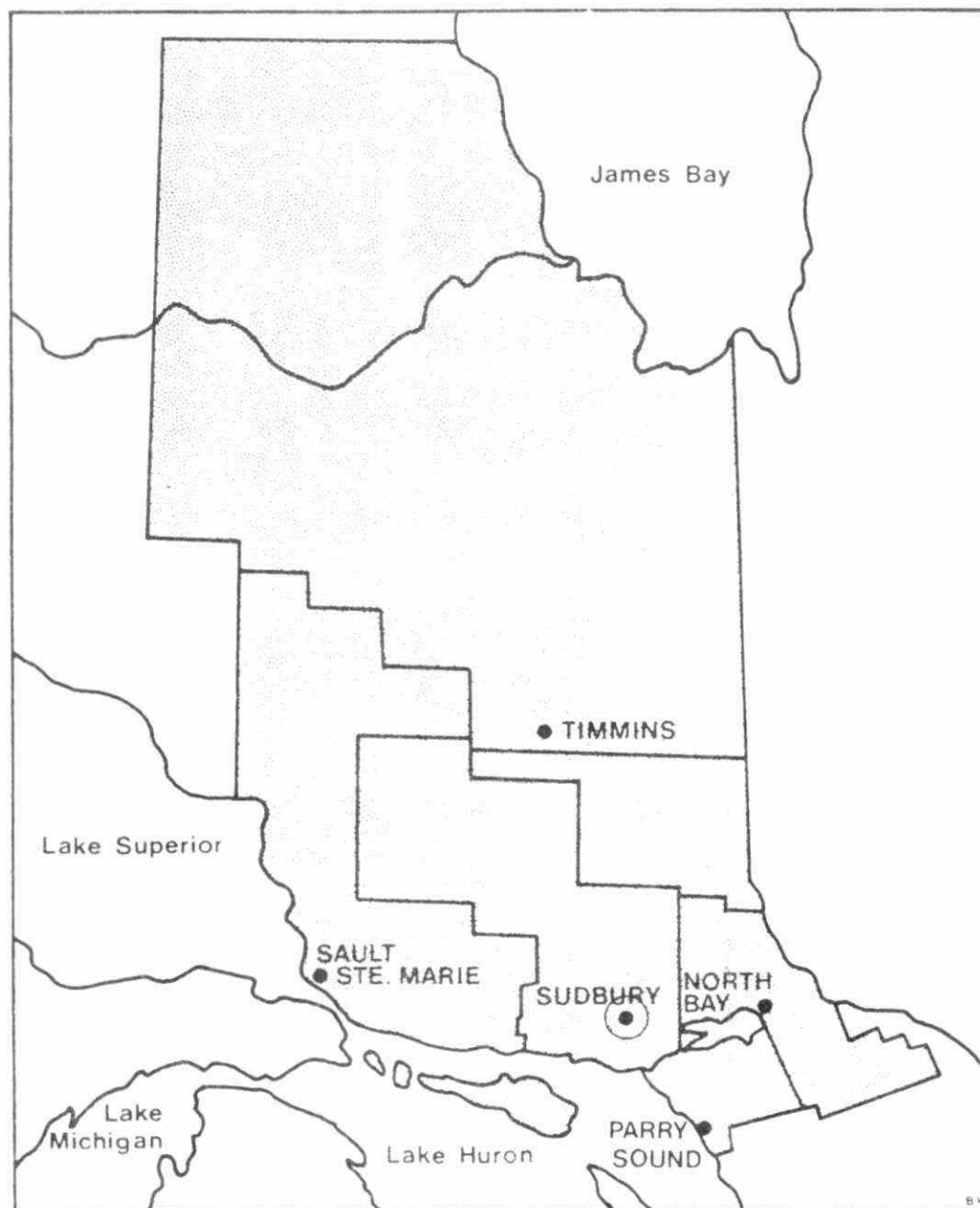
Parry Sound

74 Church St.
705-746-2139



5

Ontario



REGIONAL OFFICE

SUDBURY

469 Bouchard St.
705-522-8282

DISTRICT OFFICES

North Bay

1500 Fisher St.
705-476-1001

Sault Ste. Marie
445 Albert St. E.
705-949-4640

Timmins

83 Algonquin Blvd. W.
705-264-9474

Parry Sound

74 Church St.
705-746-2139

NORTHEASTERN REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	7	21'620
CONVENTIONAL SECONDARY	6	13'631
CONTACT STABILIZATION	4	4'362
EXTENDED AERATION	13	4'640
TRICKLING FILTER	1	.100
HIGH RATE	1	11'250
CONVENTIONAL LAGOON CONTINUOUS	11	2'201
CONVENTIONAL LAGOON SEASONAL	16	2'724
LAGOON WITH SPRAY	1	.100
TOTAL MINISTRY OPERATED WORKS	43	50'345
TOTAL MUNICIPALLY OPERATED WORKS	17	10'283
TOTAL TREATMENT WORKS	<u>60</u>	<u>60'628</u>

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE		CAPACITY (MTGD)	WATERCOURSE	OPERATED BY
ARMSTRONG TOWNSHIP EARLTON LAGOON	CONVENTIONAL LAGOON	SEASONAL	.080	EVANTUREL CREEK	MUNICIPALITY
ASSIGINACK TOWNSHIP MANITOWANING LAGOON	CONVENTIONAL LAGOON	SEASONAL	.120	LAKE HURON	MINISTRY
BLACK RIVER - MATHESON TOWNSHIP VAL GAGNE LAGOON	CONVENTIONAL LAGOON	SEASONAL	.050	BLACK RIVER	MINISTRY
BLACK RIVER - MATHESON TOWNSHIP MOLTYRE PLANT	COMMUNAL SEPTIC TANK		.055	BLACK RIVER	MUNICIPALITY
BLACK RIVER MATHESON TOWNSHIP MATHESON WPCP	EXTENDED AERATION		.150	BLACK RIVER	MINISTRY
BLACK RIVER-MATHESON TOWNSHIP RAMORE LAGOON	CONVENTIONAL LAGOON	CONTINUOUS	.027	BLACK RIVER	MINISTRY
BRUCE MINES TOWN BRUCE MINES LAGOON	CONVENTIONAL LAGOON	SEASONAL	.070	L. HURON (ST. JOSEPH CHNL.)	MINISTRY
BURKS FALLS VILLAGE BURKS FALLS LAGOON	CONVENTIONAL LAGOON	SEASONAL	.190	MAGNETAWAN RIVER	MINISTRY
CALDWELL TOWNSHIP VERNER LAGOON	CONVENTIONAL LAGOON	SEASONAL PHOSPHORUS REMOVAL	.140	VEUVE RIVER	MINISTRY
CAPREOL TOWN CAPREOL LAGOON	CONVENTIONAL LAGOON	SEASONAL	.340	VERMILION RIVER	MUNICIPALITY
CHAPLEAU TOWNSHIP CHAPLEAU W P C P	PRIMARY		4.000	CHAPLEAU LAKE	MUNICIPALITY
COCHRANE TOWN MUNICIPAL PLANT	EXTENDED AERATION EFFLUENT POLISHING		.600	LILLABELLE LAKE	MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ELLIOT LAKE TOWN PLANT ONE	CONVENTIONAL SECONDARY	.487	HORNE LAKE	MUNICIPALITY
ELLIOT LAKE TOWN PLANT TWO	PRIMARY	1.000	ANGEL LAKE	MUNICIPALITY
ENGLEHART TOWN ENGLEHART LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.200	ENGLEHART RIVER	MINISTRY
ESPANOLA TOWN ESPANOLA WPCP	PRIMARY	.660	SPANISH RIVER	MINISTRY
FAUQUIER TOWNSHIP MOONBEAM LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.060	CREEK SYS TO GROUNDHOG R	MINISTRY
HAILEBURY TOWN NORTH CORAL LAGOON	CONVENTIONAL LAGOON SEASONAL	.100	FARR CREEK	MINISTRY
HAILEYBURY TOWN HAILEYBURY WPCP	CONTACT STABILIZATION	.350	LAKE TIMISKAMING	MINISTRY
HEARST TOWN HEARST LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.500	MATTAWISHKUIA RIVER	MINISTRY
IROQUOIS FALLS TOWN IROQUOIS FALLS WPCP	CONTACT STABILIZATION	.900	ABITIBI RIVER	MINISTRY
JACK & NOBLE TOWNSHIP GOGAMA LAGOON (ONT GOV'T SERVICES)	CONVENTIONAL LAGOON SEASONAL	.012	MINISTIAKWA LAKE	MINISTRY
KAPUSKATING TOWN MUNICIPAL PLANT	COMMUNAL SEPTIC TANK CONVENTIONAL LAGOON CONTINUOUS	.400	GLOUGH CREEK	MUNICIPALITY
KIRKLAND LAKE TOWN MUNICIPAL PLANT	CONTACT STABILIZATION	3.000	MURDOCK CREEK	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
KIRKLAND LAKE TOWN SWASTIKA	COMMUNAL SEPTIC TANK	.065	BLANCHE RIVER	MUNICIPALITY
KIRKLAND LAKE TOWN CHAPUT HUGHES	COMMUNAL SEPTIC TANK	.050	AMIKOUGAMT CREEK	MUNICIPALITY
LARDER LAKE TOWNSHIP LARDER LAKE TOWNSITE PLANT	PRIMARY	.130	LARDER LAKE	MUNICIPALITY
LATCHFORD TOWN LATCHFORD WPCP	EXTENDED AERATION	.075	MONTREAL RIVER	MINISTRY
LITTLE CURRENT TOWN LITTLE CURRENT LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.100	DITCH TO GEORGIAN BAY	MINISTRY
MATTAWA TOWN MATTAWA LAGOON	CONVENTIONAL LAGOON (CONTINUOUS) EXFILTRATION	.180	MATTAWA RIVER	MINISTRY
MCDUGALL TOWNSHIP NOBEL PLANT	COMMUNAL SEPTIC TANK	.040	GUNCOTTON CREEK	MUNICIPALITY
MCGARRY TOWNSHIP VIRGINATOWN AND KEARNS PLANT	COMMUNAL SEPTIC TANK	.160	TAILINGS PD TO LARDER L.	MUNICIPALITY
MICHIPICOTEN TOWNSHIP WAWA LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.400	MAGPIE RIVER	MINISTRY
MOOSONEE DEVELOPMENT AREA MOOSONEE WPCP	CONTACT STABILIZATION	.112	STORE CK TO MOOSE RIVER	MINISTRY
MOOSONEE DEVELOPMENT AREA MOOSE FACTORY PLANT (CFR)	EXTENDED AERATION	.055	BUTLER CK TO MOOSE RIVER	MINISTRY
MOOSONEE DEVELOPMENT AREA MOOSONEE NORTH WPCP CFR	EXTENDED AERATION	.055	MOOSE RIVER	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
NEW LISKEARD TOWN NEW LISKEARD LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.637	WABT RIVER	MINISTRY
NICKEL CENTRE TOWN CONISTON WPCP	EXTENDED AERATION CONVENTIONAL SECONDARY	.350	CONISTON CREEK	MINISTRY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE PLANT	TRICKLING FILTER	.100	BOUCHER LAKE	MUNICIPALITY
NICKEL CENTRE TOWN GARSON LAGOON	CONVENTIONAL LAGOON SEASONAL	.760	JUNCTION CREEK	MUNICIPALITY
NORTH BAY CITY NORTH BAY WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	8.000	LAKE NIPISSING	MINISTRY
NORTH HIMSWORDTH TOWNSHIP CALLANDER LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.105	DITCH TO CALLANDER BAY	MINISTRY
ONAPING FALLS TOWN ONAPING PLANT	CONVENTIONAL SECONDARY	.144	SWAMP	MUNICIPALITY
ONAPING FALLS TOWN LEVACK PLANT	EXTENDED AERATION	.320	ONAPING RIVER	MUNICIPALITY
PARRY SOUND TOWN PARRY SOUND WPCP	PRIMARY PHOSPHORUS REMOVAL	.830	MC CURRY LAKE	MINISTRY
PINARD TOWNSHIP FRASERDALE LAGOON (ONT. HYDRO)	CONVENTIONAL LAGOON CONTINUOUS	.010	ABITIBI RIVER	MINISTRY
POWASSAN TOWN POWASSAN LAGOON	CONVENTIONAL LAGOON CONTINUOUS PHOSPHORUS REMOVAL	.070	GENESEE CREEK	MINISTRY
RATTER & DUNNETT TOWNSHIP WARREN LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.133	VEUVE RIVER	MINISTRY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
RAYSIDE RALFOUR TOWN CHELMSFORD PLANT TWO	EXTENDED AERATION	.625	WHITSON CREEK	MINISTRY
RAYSIDE-RALFOUR TOWN AZILDA WPCP	EXTENDED AERATION	.650	WHITEWATER LAKE	MINISTRY
RAYSIDE-RALFOUR TOWN CHELMSFORD LAGOON (PLANT ONE)	CONVENTIONAL LAGOON SEASONAL	.300	MCKENZIE CREEK	MUNICIPALITY
SAULT STE MARIE CITY SAULT STE. MARIE WPCP	PRIMARY	12.000	ST. MARY'S RIVER	MINISTRY
SHACKLETON AND MACHIN TOWNSHIP FAUQUIER LAGOON	CONVENTIONAL LAGOON SEASONAL	.080	TO GROUNDHOG RIVER	MINISTRY
SMOOTH ROCK FALLS TOWN SMOOTH ROCK FALLS WPCP	EXTENDED AERATION	.360	MATTAGAMI RIVER	MINISTRY
STURGEON FALLS TOWN STURGEON FALLS WPCP	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	1.000	STURGEON RIVER	MINISTRY
SUDBURY CITY SUDBURY WPCP	HIGH RATE	11.250	JUNCTION CREEK	MINISTRY
SUDBURY CITY COPPER CLIFF PLANT	CONVENTIONAL SECONDARY	1.500	JUNCTION CREEK	MUNICIPALITY
SUNDRIDGE VILLAGE SUNDRIDGE LAGOON	CONVENTIONAL LAGOON SEASONAL PHOSPHORUS REMOVAL	.144	BERNARD CREEK	MINISTRY
TEMAGAMI TOWNSHIP TEMAGAMI NORTH-GOWARD LAGOON	LAGOON WITH SPRAY	.100	NET LAKE	MUNICIPALITY
TIMMINS CITY WHITNEY - TISDALE WPCP	EXTENDED AERATION	.750	PORCUPINE RIVER	MINISTRY

NORTHEASTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
TIMMINS CITY MATTAGAMI WPCP	PRIMARY	3.000	MATTAGAMI RIVER	MINISTRY
TIMMINS CITY BOB'S LAKE LAGOON	CONVENTIONAL LAGOON CONTINUOUS	.017	BOB'S CK TO PORCUPINE L.	MUNICIPALITY
TIMMINS CITY SCHUMACHER PLANT	COMMUNAL SEPTIC TANK	.330	PEARL LAKE	MUNICIPALITY
VALLEY EAST TOWN HAMNER, VAL CARON, VAL THERESE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	VERMILION RIVER	MINISTRY
WALDEN TOWN LIVELY PLANT	EXTENDED AERATION	.350	MEATBIRD CREEK	MUNICIPALITY
WEBBWOOD TOWN WEBBWOOD LAGOON	CONVENTIONAL LAGOON SEASONAL	.100	GOUGH CREEK	MINISTRY
WICKSTEED TOWNSHIP HORNEPAYNE WPCP	EXTENDED AERATION	.300	JACKFISH RIVER	MINISTRY



NORTHEASTERN REGION

Regional Municipalities

Regional Municipalities

Total	Capacity	MIGD	19.189
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SUDBURY

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAPREOL TOWN CAPREOL LAGOON	CONVENTIONAL LAGOON SEASONAL	.340	VERMILION RIVER	MUNICIPALITY
NICKEL CENTRE TOWN CONISTON WPCP	EXTENDED AERATION CONVENTIONAL SECONDARY	.350	CONISTON CREEK	MINISTRY
NICKEL CENTRE TOWN GARSON LAGOON	CONVENTIONAL LAGOON SEASONAL	.760	JUNCTION CREEK	MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE PLANT	TRICKLING FILTER	.100	BOUCHER LAKE	MUNICIPALITY
ONAPING FALLS TOWN ONAPING PLANT	CONVENTIONAL SECONDARY	.144	SWAMP	MUNICIPALITY
ONAPING FALLS TOWN LEVACK PLANT	EXTENDED AERATION	.320	ONAPING RIVER	MUNICIPALITY
RAYSIDE BALFOUR TOWN CHELMSFORD PLANT TWO	EXTENDED AERATION	.625	WHITSON CREEK	MINISTRY
RAYSIDE-BALFOUR TOWN AZILDA WPCP	EXTENDED AERATION	.650	WHITEWATER LAKE	MINISTRY
RAYSIDE-BALFOUR TOWN CHELMSFORD LAGOON (PLANT ONE)	CONVENTIONAL LAGOON SEASONAL	.300	MCKENZIE CREEK	MUNICIPALITY
SUDBURY CITY SUDBURY WPCP	HIGH RATE	11.250	JUNCTION CREEK	MINISTRY
SUDBURY CITY COPPER CLIFF PLANT	CONVENTIONAL SECONDARY	1.500	JUNCTION CREEK	MUNICIPALITY

REGIONAL MUNICIPALITY OF SUDBURY

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
VALLEY EAST TOWN HAMNER, VAL CARON, VAL THERESE	CONVENTIONAL SECONDARY PHOSPHORUS REMOVAL	2.500	VERMILION RIVER	MINISTRY
WALDEN TOWN LIVELY PLANT	EXTENDED AERATION	.350	MEATBIRD CREEK	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>19.189</u>		

Northwestern Region

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Ontario

Ministry
of the
Environment

REGIONAL OFFICE

THUNDER BAY
435 James St. S.
P.O. Box 5000
807-475-1205

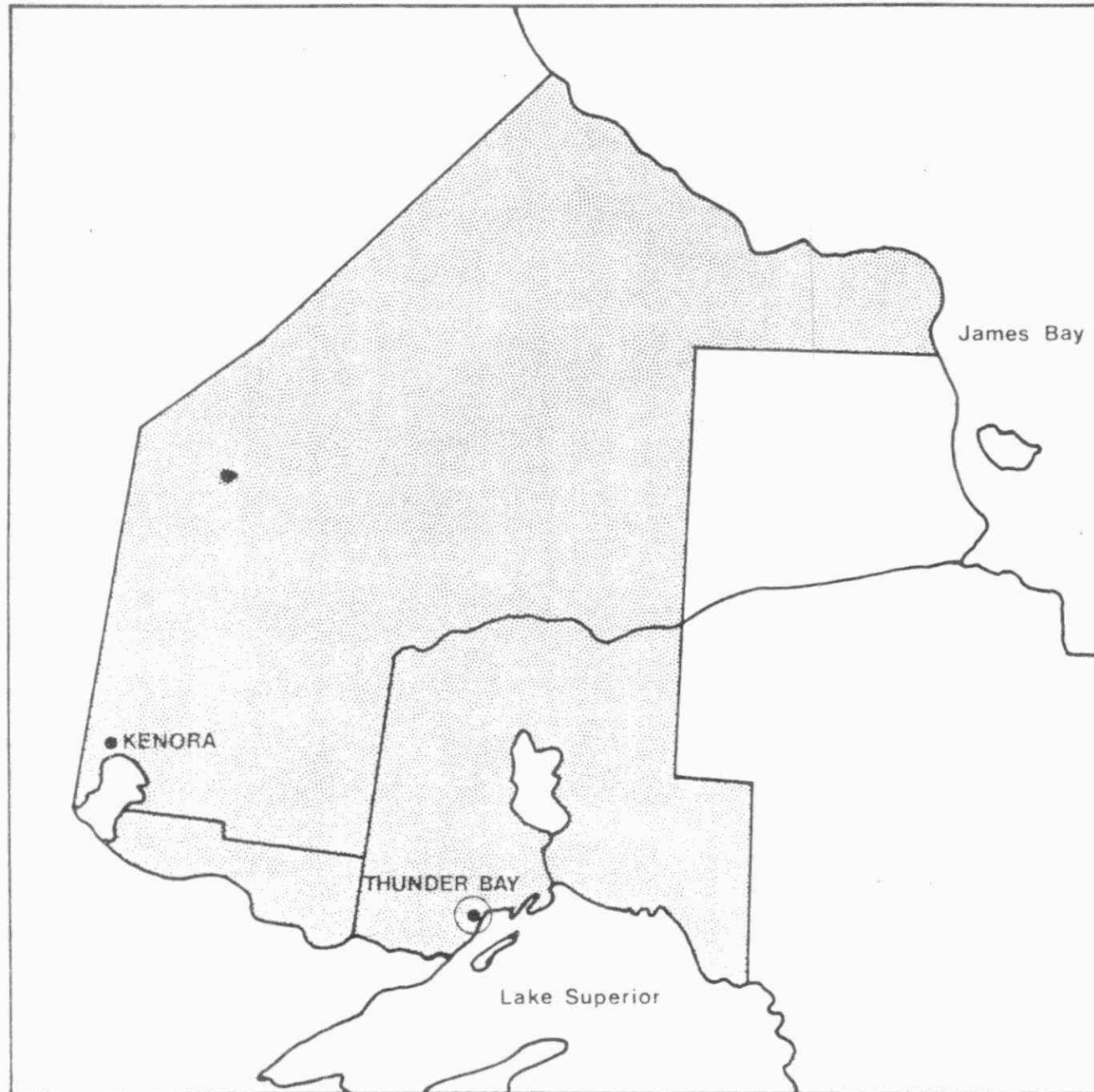
DISTRICT OFFICE

Kenora
808 Robertson St.
807-468-5578



⑥

Ontario



REGIONAL OFFICE
THUNDER BAY
435 James St. S.
P.O. Box 5000
807-475-1205

DISTRICT OFFICE
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808 Robertson St.
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NORTHWESTERN REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
PRIMARY	4	26'500
CONVENTIONAL SECONDARY	1	.500
CONTACT STABILIZATION	7	4'423
EXTENDED AERATION	3	.550
CONVENTIONAL LAGOON CONTINUOUS	1	.055
CONVENTIONAL LAGOON SEASONAL	1	.100
TOTAL MINISTRY OPERATED WORKS	9	4'140
TOTAL MUNICIPALLY OPERATED WORKS	8	27'988
TOTAL TREATMENT WORKS	<u>17</u>	<u>32'128</u>

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ATIKOKAN TOWNSHIP MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.400	ATIKOKAN RIVER	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT COCHENOUR TOWNSITE PLANT	COMMUNAL SEPTIC TANK	.030	RED LAKE	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT BALMERTOWN TOWNSITE PLANT	COMMUNAL SEPTIC TANK	.100	BALMER CREEK	MUNICIPALITY
DRYDEN TOWN MUNICIPAL PLANT	CONTACT STABILIZATION	.833	WABIGOON RIVER	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS WPCP	CONTACT STABILIZATION	.140	ENGLISH RIVER	MINISTRY
EMO TWP TOWNSHIP EMO LAGOON	CONVENTIONAL LAGOON SEASONAL	.100	RAINY RIVER	MINISTRY
FORT FRANCES TOWN FORT FRANCES WPCP	PRIMARY	2.000	RAINY RIVER	MINISTRY
GERALDTON TOWN GERALDTON WPCP	CONTACT STABILIZATION	.400	LAKE KENOGAMISIS	MINISTRY
IGNACE TOWNSHIP IGNACE WPCP	CONTACT STABILIZATION	.550	AGIMAC CREEK	MINISTRY
KENORA TOWN KENORA WPCP	CONTACT STABILIZATION	2.000	WINNIPEG RIVER	MUNICIPALITY
LOGLAC TOWNSHIP LOGLAC WPCP	CONTACT STABILIZATION/ (EXTENDED AERATION)	.250	SUICIDE RIVER	MINISTRY
MANITOWADGE TOWNSHIP MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.400	RUDDER LAKE	MUNICIPALITY

NORTHWESTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MARATHON TOWNSHIP MUNICIPAL PLANT	PRIMARY	.140	LAKE SUPERIOR	MUNICIPALITY
NAKINA IMPROVEMENT DISTRICT MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.060	HOWARD CREEK	MINISTRY
NIPIGON TOWNSHIP MUNICIPAL PLANT	PRIMARY	.360	NIPIGON RIVER	MUNICIPALITY
PICKLE LAKE IMPROVEMENT DISTRICT PICKLE LAKE WPCP	EXTENDED AERATION	.200	KAWINOGANS RIVER	MINISTRY
RAINY RIVER TOWN MUNICIPAL PLANT	COMMUNAL SEPTIC TANK	.060	RAINY RIVER	MUNICIPALITY
RED LAKE TOWNSHIP RED LAKE WPCP	CONTACT STABILIZATION	.250	HOWEY BAY	MINISTRY
SCHREIBER TOWNSHIP SCHREIBER W P C P	EXTENDED AERATION	.250	CREEK TO L. SUPERIOR	MINISTRY
SIOUX LOOKOUT TOWN MUNICIPAL PLANT	CONVENTIONAL SECONDARY	.500	PELICAN LAKE	MUNICIPALITY
TERRACE BAY TOWNSHIP TERRACE BAY LAGOON (NO DISCHARGE 77)	CONVENTIONAL LAGOON (CONTINUOUS)	.055	EXFILTRATION TO SUPERIOR	MUNICIPALITY
TERRACE BAY TOWNSHIP TERRACE HEIGHTS SUB. (NO DISCHARGE)	EXTENDED AERATION CONVENTIONAL LAGOON (CONTINUOUS) EFFLUENT POLISHING	.100	EXFILTRATION TO SUPERIOR	MUNICIPALITY
THUNDER BAY CITY THUNDER BAY SOUTH	PRIMARY	24.000	KAMINISTIKWIA RIVER	MUNICIPALITY

PART -- II

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PART II - WATER TREATMENT

Water, in terms of quality and quantity varies widely throughout the Province and as may be expected, the quality and intended use of the supply dictates the degree and type of treatment necessary.

Groundwater is characteristically cool, generally requires little treatment and suffers only slight temperature variations, hence, it is often the first to be investigated as a source of supply. While hardness is often a concern with groundwater the main problem is its extraction in sufficient quantity to meet our increasing growth patterns. Quantity is not usually a problem with surface sources but treatment becomes the rule rather than the exception. The removal of turbidity, colour, tastes, odours, chemical substances and micro-organisms that would constitute a health hazard is achieved through various treatment methods. Sometimes only a few of these undesirable characteristics are present in a water supply; consequently, the method of treatment is selected only after the results of careful physical, bacteriological and chemical analyses are known.

All surface sources of supply, are disinfected by chlorination to kill pathogenic bacteria (disease organisms). Groundwater is chlorinated where disease organisms are present or where a potential danger of contamination exists.

The object of treatment is to use the most effective processes and equipment to remove the impurities found in a particular source, for this reason all or any of the following methods or items may be employed in a plant.

Screening (Physical Treatment)

The raw or untreated water passes through coarse and fine screens which removes the larger particles.

Algae Removal by Microstraining (Physical Treatment)

If algae is a problem in the raw water then it may be passed through a microstrainer which is a rotating drum covered with a finely woven blanket of stainless steel or cloth fabric. The blanket opening size is chosen based on the type of algae encountered and as the water passes through the microstrainer the algae are enmeshed on the blanket. Some units are equipped with an ultra-violet light attachment which acts as a germicidal agent on the water and reduces or controls the growths on the fabric. The microstrainer is back washed or flushed with water to remove the accumulated algae and clean the blanket.

Color, Turbidity and Bacteria Removal by Coagulation and Flocculation (Chemical Treatment)

Chemical coagulants such as alum or lime are added and thoroughly mixed with the water. After a short period a sticky gelatinous precipitate is formed which absorbs colour and entangles mud, bacteria and suspended matter. The gelatinous mass is agitated and builds up into clumps or flocs which grow large and finally become heavy enough with impurities to be removed from the water by settling. The water

is reasonably clear after this procedure and the settled material is removed for suitable disposal.

Turbidity and Bacteria Removal by Filtration (Physical Treatment)

After coagulation and flocculation the water is passed through a filter or if water quality permits, the raw water may be ready for filtration after screening and or microstraining.

The gravity filter and the pressure filter are the two main types employed to remove minute impurities from the water. The gravity filter is an open rectangular tank, equipped with a straining system, (media) which generally consists of graded sand and gravel or possibly anthracite (a type of hard coal) and an underdrain system where the filtered water is collected. As the water passes through the filter the impurities are transferred or trapped in the media. Cleaning is effected by reversing the flow in the filter (backwashing). The pressure filter employs the same principles, the difference being that the water is forced under pressure through the media in a closed vessel.

Disinfection by Chlorination

Before the water is delivered to the consumer or storage facility it is essential that pathogenic bacteria or disease producing organisms are killed. Chlorination achieves this end provided that the turbidity is at a sufficiently low level and adequate contact is provided.

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PROVINCIAL SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD) *</u>
GROUND SOURCE	153	151,410
GROUND SOURCE PHYSCL TRTMT	23	35,284
GROUND SOURCE CHEM TRTMT	38	66,998
GROUND SOURCE PHYSCL & CHEM TRTMT	6	12,025
SURFC SOURCE	74	219,903
SURFC SOURCE PHYSCL TREATMENT	19	63,629
SURFC SOURCE CHEM TREATMENT	2	3,084
SURFC SOURCE PHYSCL & CHEM TRTMT	105	1,328,875
TOTAL MINISTRY OPERATED WORKS	80	248,376
TOTAL MUNICIPALLY OPERATED WORKS	340	1,632,832
TOTAL TREATMENT WORKS	420	1,881,208
TOTAL AREA WATER SUPPLY SYSTEMS	(17)	(877,347)
TOTAL WATER WORKS FACILITIES (treatment works plus distribution systems)	(476)	SERVING 56 DISTRIBUTION SYSTEMS

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

Southwestern Region

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Ministry
of the
Environment
Ontario

REGIONAL OFFICE

LONDON

985 Adelaide St. S.
519-681-3600

DISTRICT OFFICES

Windsor

3012 Tecumseh Rd. E.
519-945-2339

Sarnia

242A Indian Rd. S.
519-336-4030

Owen Sound

220 11th St. E.
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CHATHAM SUB-DISTRICT OFFICE

435 Grand Ave. W.
N7L 3Z4



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Ontario



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SOUTHWESTERN REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD) *</u>
GROUND SOURCE	41	34.321
GROUND SOURCE PHYSCL TRTMT	4	6.800
GROUND SOURCE CHEM TRTMT	8	3.936
GROUND SOURCE PHYS & CHEM TRTMT	3	10.394
SURFC SOURCE	3	3.139
SURFC SOURCE PHYSCL TREATMT	3	6.368
SURFC SOURCE CHEM TRTMT	1	684
SURFC SOURCE PHYS & CHEM TRTMT	24	191.055
TOTAL MINISTRY OPERATED WORKS	14	101.573
TOTAL MUNICIPALLY OPERATED WORKS	73	155.124
TOTAL TREATMENT WORKS	<u>87</u>	<u>256.697</u>
TOTAL AREA WATER SUPPLY SYSTEMS	(12)	(175.047)
TOTAL WATER WORKS FACILITIES (treatment works plus distribution systems)	<u>(124)</u>	SERVING 37 DISTRIBUTION SYSTEMS

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
AILSA CRAIG VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON WSS)	MINISTRY
ALVINSTON VILLAGE ALVINSTON PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.166	SYDENHAM RIVER	MINISTRY
AMHERSTBURG TOWN AMHERSTBURG AREA WATER SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.000	DETROIT RIVER	MINISTRY
AYLMER TOWN MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	1.296		MUNICIPALITY
BELLE RIVER TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.000	LAKE ST CLAIR	MUNICIPALITY
BELMONT VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.368		MUNICIPALITY
BIDDULPH TOWNSHIP GRANTON POLICE VILLAGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.201		MINISTRY
BLENHEIM TOWN BLENHEIM WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.000	LAKE ERIE	MINISTRY
BLYTH VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.190		MUNICIPALITY
BRUSSELS VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.140		MUNICIPALITY
CHATHAM CITY KENT COUNTY W S S	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	10.000	LAKE ERIE	MUNICIPALITY
CHESLEY TOWN MUNICIPAL PLANT	GROUND SOURCE	.720		MUNICIPALITY

SOUTHWESTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CLINTON TOWN MUNICIPAL PLANT	GROUND SOURCE	3.000		MUNICIPALITY
COLCHESTER NORTH TOWNSHIP MCGREGOR HAMLET SUPPLY	(WATER IS SUPPLIED BY)		(AMHERSTBURG AREA WSS)	MINISTRY
DOVER TOWNSHIP MITCHELL'S BAY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.250	LAKE ST CLAIR	MINISTRY
DOVER TOWNSHIP PAINCOURT SUPPLY	GROUND SOURCE CHLORINATION	.020		MUNICIPALITY
DOWNIE TOWNSHIP ST PAULS MUNICTPAL SUPPLY	GROUND SOURCE CHLORINATION	.059		MUNICIPALITY
DRESDEN TOWN DRESDEN PLANT	SURFC SOURCE CHEM TREATMENT CHLORINATION	.684	SYDENHAM RIVER	MINISTRY
DUNDALK VILLAGE DUNDALK SUPPLY	GROUND SOURCE CHLORINATION	.432		MUNICIPALITY
DURHAM TOWN MUNICIPAL PLANT	GROUND SOURCE	.763		MUNICIPALITY
DUTTON VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(WEST LORNE WATER SUPPLY)	MUNICIPALITY
EAST WILLIAMS TOWNSHIP NAIRN SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON WSS)	MINISTRY
EAST ZORRA-TAVISTOCK TOWNSHIP TAVISTOCK SUPPLY	GROUND SOURCE CHLORINATION	1.123		MUNICIPALITY
ELLICE TOWNSHIP BRUNNER MUNICIPAL SUPPLY	GROUND SOURCE	.025		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
ELMA TOWNSHIP ATWOOD MUNICIPAL SUPPLY	GROUND SOURCE	.065		MUNICIPALITY
ESSEX TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(UNION-ESSEX WSS)	MUNICIPALITY
EXETER TOWN EXETER PLANT	GROUND SOURCE SURFC SOURCE PHYSCL TREATMT CHLORINATION	2.080	AUSABLE RIVER	MUNICIPALITY
FOREST TOWN MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.300		MUNICIPALITY
GLENCOE VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.108		MUNICIPALITY
GODERICH TOWN GODERICH WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3.000	LAKE HURON	MINISTRY
GOSFIELD SOUTH TOWNSHIP UNION-ESSEX WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	16.000	LAKE ERIE	MINISTRY
GRAND BEND VILLAGE GRAND BEND SUPPLY	(WATER IS SUPPLIED BY)		(LAKE HURON WSS)	MUNICIPALITY
HANOVER TOWN HANOVER	SURFC SOURCE GROUND SOURCE CHLORINATION	2.000	RUHL LAKE	MUNICIPALITY
HARROW TOWN HARROW PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	2.500	LAKE ERIE	MINISTRY
HENSALL VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.576		MUNICIPALITY
INGERSOLL TOWN MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	3.500		MUNICIPALITY

SOUTHWESTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
KINCARDINE TOWN KINCARDINE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.730	LAKE HURON	MUNICIPALITY
KINGSVILLE TOWN KINGSVILLE SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(UNION-ESSEX WSS)	MUNICIPALITY
LEAMINGTON TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(UNION-ESSEX WSS)	MUNICIPALITY
LIONS HEAD VILLAGE PRIVATE PLANT	SURFC SOURCE CHLORINATION	.089	GEORGIAN RAY	MUNICIPALITY
LISTOWEL TOWN MUNICIPAL PLANT	GROUND SOURCE PHYSCL TRTMT	2.400		MUNICIPALITY
LONDON TOWNSHIP ILDERTON POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(LAKE HURON WSS)	MUNICIPALITY
LONDON CITY LONDON CITY SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION		(LAKE HURON WSS)	MUNICIPALITY
LUCAN VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.344		MUNICIPALITY
LUCKNOW VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.504		MUNICIPALITY
MARKDALE VILLAGE MUNICIPALITY	GROUND SOURCE CHLORINATION	.864		MUNICIPALITY
MEAFORD TOWN MEAFORD WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	3.168	GEORGIAN RAY	MUNICIPALITY
MILDMAY VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.283		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MILVERTON VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.287		MUNICIPALITY
MITCHELL TOWN MITCHELL WTP	GROUND SOURCE PHYSCL TRTMT	.720		MUNICIPALITY
MOORE TOWNSHIP COURTRIGHT MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNT WSS)	MINISTRY
MOORE TOWNSHIP BRIGDEN POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNTY WSS)	MINISTRY
MOORE TOWNSHIP CORUNNA POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNTY WSS)	MINISTRY
NORTH DORCHESTER TOWNSHIP DORCHESTER P.V. MUN PLANT	GROUND SOURCE CHLORINATION	.490		MUNICIPALITY
NORWICH TOWNSHIP OTTERVILLE PV MUNICIPAL SUPPLY	GROUND SOURCE	.187		MUNICIPALITY
NORWICH TOWNSHIP SPRINGFORD HAMLET SUPPLY	GROUND SOURCE	.082		MUNICIPALITY
NORWICH TOWNSHIP NORWICH SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.123		MUNICIPALITY
OIL SPRINGS VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.064		MUNICIPALITY
OWEN SOUND CITY SPRING SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	1.100		MUNICIPALITY
OWEN SOUND CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.700	GEORGIAN BAY	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
PATSLEY VILLAGE PAISLEY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.342	TEESWATER RIVER	MUNICIPALITY
PARKHILL TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(LAKE HURON WSS)	MUNICIPALITY
PETROLIA TOWN PETROLIA WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3.000	BRIGHTS GROVE (L HURON)	MUNICIPALITY
POINT EDWARD VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNTY WSS)	MINISTRY
PORT BURWELL VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(ELGIN AREA WSS)	MINISTRY
PORT ELGIN TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.915	LAKE HURON	MUNICIPALITY
PORT STANLEY VILLAGE MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.900	LAKE ERIE	MUNICIPALITY
RIDGETOWN TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.400		MUNICIPALITY
RIPLEY VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.270		MUNICIPALITY
RODNEY VILLAGE RODNEY SUPPLY	(WATER IS SUPPLIED BY)		(WEST LORNE WATER SUPPLY)	MUNICIPALITY
SARNIA CITY LAMBTON COUNTY WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	26.000	ST. CLAIR RIVER	MINISTRY
SARNIA TOWNSHIP BRIGHTS GROVE SUPPLY	(WATER IS SUPPLIED BY)		(PETROLIA WSS)	MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
SEAFORTH TOWN MUNICIPAL PLANT	GROUND SOURCE	.710		MUNICIPALITY
SOMBRA TOWNSHIP PORT LAMBTON P V SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNTY WSS)	MUNICIPALITY
SOMBRA TOWNSHIP SOMBRA P V SUPPLY	(WATER IS SUPPLIED BY)		(LAMBTON COUNTY WSS)	MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP MT ELGIN HAMLET SUPPLY	GROUND SOURCE CHLORINATION	.057		MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP BROWNSVILLE HAMLET SUPPLY	GROUND SOURCE	.062		MUNICIPALITY
SOUTH-WEST OXFORD TOWNSHIP BEACHVILLE-LOWEVILLE SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.050		MUNICIPALITY
SOUTHAMPTON TOWN SOUTHAMPTON WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.700	LAKE HURON	MINISTRY
ST CLAIR BEACH VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(WINDSOR-TECUMSEH PLANT)	MUNICIPALITY
ST MARYS SEPARATED TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	2.300		MUNICIPALITY
ST THOMAS CITY MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(ELGIN AREA WSS)	MINISTRY
STEPHEN TOWNSHIP L. HURON WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	37.000	LAKE HURON	MINISTRY
STEPHEN TOWNSHIP CENTRALIA IND PARK SUPPLY	GROUND SOURCE CHLORINATION	.700		MUNICIPALITY

SOUTHWESTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
STRATFORD CITY MUNICIPAL PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	6.178		MUNICIPALITY
STRATHROY TOWN MUNICIPAL PLANT	GROUND SOURCE	3.400		MUNICIPALITY
TARA VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.118		MUNICIPALITY
TECUMSEH TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(WINDSOR-TECUMSEH PLANT)	MUNICIPALITY
TEESWATER VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.569		MUNICIPALITY
THEDFORD VILLAGE THEDFORD WWKS	GROUND SOURCE CHLORINATION	.072		MINISTRY
THORNBURY TOWN THORNBURY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.608	BEAVER RIVER	MUNICIPALITY
TILBURY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1.497	LAKE ST. CLAIR	MUNICIPALITY
TILBURY NORTH TOWNSHIP STONE POINT P.V. WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.000	LAKE ST. CLAIR	MUNICIPALITY
TILBURY W. TOWNSHIP COMBER POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(UNTON-ESSEX WSS)	MINISTRY
TILLSONBURG TOWN TILSONBURGH PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	2.200		MUNICIPALITY
TIVERTON VILLAGE PRIVATE PLANT TIVERTON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.241		MUNICIPALITY

SOUTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
TUCKERSMITH TOWNSHIP EGMONDVILLE PLANT	GROUND SOURCE	.013		MUNICIPALITY
WALKERTON TOWN MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	1.430		MUNICIPALITY
WALLACE TOWNSHIP GOWANSTOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.014		MUNICIPALITY
WALLACEBURG TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2.600	CHENAL ECARTE	MUNICIPALITY
WATFORD VILLAGE WATFORD SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(PETROLIA WSS)	MUNICIPALITY
WEST LORNE VILLAGE WEST LORNE MUNICIPAL SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.547	LAKE ERIE	MUNICIPALITY
WESTMINSTER TOWNSHIP LAMBETH POLICE VILLAGE MUNICIPAL PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	2.016		MUNICIPALITY
WHEATLEY VILLAGE MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.800	LAKE ERIE	MUNICIPALITY
WIARTON TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	1.050	GEORGIAN BAY	MUNICIPALITY
WINDSOR CITY MAIN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	60.000	DETROIT RIVER	MUNICIPALITY
WINGHAM TOWN MUNICIPAL PLANT	GROUND SOURCE	2.660		MUNICIPALITY
WOODSTOCK CITY MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	8.850		MUNICIPALITY

SOUTHWESTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
WYOMING VILLAGE WYOMING SUPPLY	(WATER IS SUPPLIED BY)		(PETROLIA WSS)	MUNICIPALITY
YARMOUTH TOWNSHIP ELGIN AREA WATER SUPPLY SYSTEM	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	10.000	LAKE ERIE	MINISTRY
ZORRA TOWNSHIP THAMESFORD PV MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.180		MUNICIPALITY
ZORRA TOWNSHIP EMBRO SUPPLY	GROUND SOURCE	.201		MUNICIPALITY
ZURICH VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.346		MUNICIPALITY



SOUTHWESTERN REGION

Area Water Supply Systems

Total Area Water Supply Systems

12

Total Capacity (M I G D)

175.047

SERVING 37 DISTRIBUTION SYSTEMS

AREA WATER SUPPLY SYSTEMS

SYSTEM: AMHERSTBURG-ANDERDON-MALDEN-WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
AMHERSTBURG TOWN	Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	4.0	Amherstburg Town Colchester N. Twp. (McGregor)	Detroit River

SYSTEM: BLENHEIM WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: THREE

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
BLENHEIM TOWN	Coagulation Flocculation Sedimentation Filtration Chlorination	1.0	Harwich Twp. Raleigh Twp. (Ontario Hospital Cedar Springs) Blenheim Town	Lake Erie

SYSTEM: COLCHESTER SOUTH - HARROW WATER SUPPLY

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Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
HARROW TOWN	Coagulation Flocculation Sedimentation Filtration Chlorination	2.5	Colchester S. Twp Harrow Town	Lake Erie

SYSTEM: ELGIN AREA WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: SIX

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
YARMOUTH TOWNSHIP	Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	10.0	Yarmouth Twp. Malahide Twp. Bayham Twp. Vienna Village St. Thomas City Port Burwell Village (Ford Motor Co. Ltd.)	Lake Erie

SYSTEM: KENT COUNTY WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: ONE

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
*CHATHAM CITY	Coagulation Flocculation Sedimentation Filtration Chlorination	10.0	Chatham City	Lake Erie

*Note: Water from Lake Erie is pumped to Chatham's Treatment Plant.

SYSTEM: LAKE HURON WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: EIGHT

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
STEPHEN TOWNSHIP	Coagulation Flocculation Filtration Chlorination	37.0	Ailsa Craig Village Bosanquet Twp. Grand Bend Village London City London Twp. (Ilderton) McGillivray Twp. Parkhill Town Stephen Twp.	Lake Huron

SYSTEM: LAMBTON COUNTY WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: FIVE

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
SARNIA CITY	Coagulation Flocculation Sedimentation Filtration Fluoridation Chlorination	26.0	Point Edward Village Sarnia City Sarnia Twp. Moore Twp. -Corunna -Moretown -Courtright -Brigden Sombra Twp. -Sombra -Port Lambton	St. Clair River

SYSTEM: PETROLIA WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: SIX

Operated By: PETROLIA PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
SARNIA TOWNSHIP (Brights Grove)	Coagulation Flocculation Sedimentation Fluoridation Chlorination	3.0	Enniskillen Twp. Petrolia Town Plympton Twp. Sarnia Twp. (Brights Grove) *Watford Village *Wyoming Villate	Lake Huron

*Note: A Ministry operated pipeline connected to this system feeds the villages of Watford and Wyoming.

SYSTEM: TILBURY NORTH WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: TILBURY PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
TILBURY N. TOWNSHIP (Stoney Point WTP)	Coagulation Flocculation Sedimentation Chlorination	1.0	Tilbury N. *Tilbury W. (Comber PV)	Lake St. Clair

*Note: A Ministry operated pipeline connected to this system feeds the P.V. Comber in Tilbury W. Township.

SYSTEM: UNION WATER SUPPLY SYSTEM

Number of Plants: ONE

Number of Municipalities Served: EIGHT

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
GOSFIELD SOUTH TWP. (UNION PLANT)	Coagulation Flocculation Sedimentation Filtration Carbon Adsorption Chlorination	16.0	Gosfield South Twp. Essex Town Colchester N. Twp. Kingsville Town Mercy Twp. Rockchester Twp. Maidstone Twp. Leamington Town (HJ Heinz Co. Ltd.)	Lake Erie

SYSTEM: WEST LORNE WATER SUPPLY

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Number of Plants: ONE

Number of Municipalities Served: THREE

Operated By: WEST LORNE PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
West Lorne Village	Coagulation Flocculation Sedimentation Filtration Chlorination	0.547	West Lorne Village Dutton Village Rodney Village	Lake Erie

SYSTEM: WINDSOR WATER SUPPLY

Number of Plants: TWO

Number of Municipalities Served: THREE

Operated By: WINDSOR PUBLIC UTILITIES COMMISSION

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
WINDSOR CITY (Windsor Main Plant)	Coagulation Flocculation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	60.0	Windsor City	Detroit River
WINDSOR CITY (Windsor-Tecumseh Plant)	Coagulation Flocculation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	4.0	St. Clair Beach Village Tecumseh Town Windsor City	Detroit River

West Central Region Ministry
of the
Environment
② Ontario

REGIONAL OFFICE
STONE CREEK
140 Centennial Pkwy. N.
416-561-7410

DISTRICT OFFICES
Welland
637-641 Niagara St. N.
416-735-0431

Cambridge
400 Clyde Road
P.O. Box 219
519-623-2080

SIMCOE SUB-OFFICE
645 Norfolk St. N.
N3Y 3R2



②

Ontario



REGIONAL OFFICE

STONEY CREEK

140 Centennial Pkwy. N.
416-561-7410

DISTRICT OFFICES

Welland

637-641 Niagara St. N.
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P.O. Box 219
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SIMCOE SUB-OFFICE

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N3Y 3R2

WEST CENTRAL REGION SUMMARY

<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD) *</u>
GROUND SOURCE	28	64.389
GROUND SOURCE PHYSIC TRTMT	5	11.482
GROUND SOURCE CHEM TRTMT	4	22.392
GROUND SOURCE PHYS & CHEM TRTMT	1	165
SURFC SOURCE	1	202
SURFC SOURCE PHYSCL TREATMT	6	38.130
SURFC SOURCE PHYS & CHEM TRTMT	15	273.670
TOTAL MINISTRY OPERATED WORKS	2	20.716
TOTAL MUNICIPALLY OPERATED WORKS	58	389.714
TOTAL TREATMENT WORKS	<u>60</u>	<u>410.430</u>
TOTAL AREA WATER SUPPLY SYSTEMS	(1)	(150.000) SERVING 3 DISTRIBUTION SYSTEMS
TOTAL WATER WORKS FACILITIES (treatment works plus distribution systems)	<u>(61)</u>	

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ANCASTER TOWN MUNICIPAL PLANT	GROUND SOURCE	2.074		MUNICIPALITY
ARTHUR VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.350		MUNICIPALITY
BRANTFORD TOWNSHIP AIRPORT PLANT	GROUND SOURCE CHLORINATION	.504		MUNICIPALITY
BRANTFORD CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	18.000	GRAND RIVER	MUNICIPALITY
BRANTFORD TOWNSHIP TUTELA HEIGHTS	GROUND SOURCE CHLORINATION	.288		MUNICIPALITY
CAMBRIDGE CITY GALT SUPPLY	GROUND SOURCE CHLORINATION	11.250		MUNICIPALITY
CAMBRIDGE CITY PRESTON SUPPLY	GROUND SOURCE CHLORINATION	3.580		MUNICIPALITY
CAMBRIDGE CITY HESPELER SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	1.973		MUNICIPALITY
CLIFFORD VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.288		MUNICIPALITY
DELHI TOWNSHIP DELHI-SPRING SUPPLY	GROUND SOURCE CHLORINATION	.175		MUNICIPALITY
DELHI TOWNSHIP DELHI-FILTRATION PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.500	NORTH CREEK	MUNICIPALITY
DELHI TOWNSHIP ST WILLIAMS POLICE VILLAGE SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.060		MUNICIPALITY

WEST CENTRAL REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
DELHI TOWNSHIP TURKEY POINT -BOWEN WATER SUPPLY	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.300	LAKE ERIE	MUNICIPALITY
DUNDAS TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(HAMILTON WATER SUPPLY)	MUNICIPALITY
DUNNVILLE TOWN FORMER DUNN TWP PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	20.500	LAKE ERIE	MINISTRY
DUNNVILLE TOWN DUNVILLE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION (WATER IS SUPPLIED BY)	3.500	(FORMER DUNN TWP PLANT)	MUNICIPALITY
ELORA VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.662		MUNICIPALITY
ERIN VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.350		MUNICIPALITY
FERGUS TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.250		MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN SUPPLY	GROUND SOURCE	.592		MUNICIPALITY
FORT ERIE TOWN FORMER VILLAGE OF CRYSTAL BEACH PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1.500	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN FORMER TOWNSHIP OF BERTIE PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	9.000	LAKE ERIE	MUNICIPALITY
GRIMSBY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.600	LAKE ONTARIO	MUNICIPALITY
GUELPH CITY GUELPH MUNICIPAL SUPPLY (ARKEL AREA)	GROUND SOURCE CHEM TRTMT CHLORINATION	19.900	RECHARGE FROM ERAMOSA R. (22.900 summer capacity)	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
HALDIMAND TOWN HAGERSVILLE PLANT	GROUND SOURCE CHLORINATION	.720		MUNICIPALITY
HALDIMAND TOWN CAYUGA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.240	GRAND RIVER	MUNICIPALITY
HALDIMAND TOWN CALEDONIA PLANT	GROUND SOURCE CHLORINATION	.588		MUNICIPALITY
HAMILTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	150.000	LAKE ONTARIO	MUNICIPALITY
HARRISTON TOWN MUNICIPAL SUPPLY	GROUND SOURCE	.864		MUNICIPALITY
KITCHENER CITY BRIDGEPORT SUPPLY	(WATER IS SUPPLIED BY)		(KITCHENER WATER SUPPLY)	MUNICIPALITY
KITCHENER CITY MUNICIPAL SUPPLY	GROUND SOURCE	19.890		MUNICIPALITY
LINCOLN TOWN FORMER HAMLET OF VINELAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.630	LAKE ONTARIO	MUNICIPALITY
LINCOLN TOWN FORMER TOWN OF BEAMSVILLE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.900	LAKE ONTARIO	MUNICIPALITY
MOUNT FOREST TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.516		MUNICIPALITY
NANTICOKE CITY PORT DOVER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.300	LAKE ERIE	MUNICIPALITY
NANTICOKE CITY PORT DOVER-SPRING SUPPLY	GROUND SOURCE CHLORINATION	2.300		MUNICIPALITY

WEST CENTRAL REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
NANTICOKE CITY WATERFORD SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.795		MUNICIPALITY
NANTICOKE CITY JARVIS PLANT	SURFC SOURCE CHLORINATION	.202	LAKE ERIE	MUNICIPALITY
NIAGARA FALLS CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	32.000	NIAGARA RIVER	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S SUPPLY	GROUND SOURCE CHLORINATION	1.397		MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN FORMER TOWN OF NIAGARA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.830	NIAGARA RIVER	MUNICIPALITY
NORFOLK TOWNSHIP COURTLAND SUPPLY	GROUND SOURCE CHLORINATION	.216		MINISTRY
NORFOLK TOWNSHIP PORT ROWAN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.500	LAKE ERIE	MUNICIPALITY
ORANGEVILLE TOWN MUNICIPAL SUPPLY	GROUND SOURCE	2.656		MUNICIPALITY
PALMERSTON TOWN MUNICIPAL SUPPLY	GROUND SOURCE	.580		MUNICIPALITY
PARIS TOWN MUNICIPAL PLANT	GROUND SOURCE CHLORINATION FLUORIDATION	1.900		MUNICIPALITY
PELHAM TOWN FORMER VILLAGE OF Fonthill Plant	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
PORT COLBORNE CITY MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	6.000	WELL AND SHIP CANAL	MUNICIPALITY

WEST CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
SHELBURNE VILLAGE SHELBURNE WWS	GROUND SOURCE CHLORINATION	.830		MUNICIPALITY
SIMCOE TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	3.350		MUNICIPALITY
SOUTH DUMFRIES TOWNSHIP ST GEORGE P.V. PLANT	GROUND SOURCE	1.800		MUNICIPALITY
ST CATHARINES CITY DE CEW (MAIN PLANT)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	42.000	WELLAND SHIP CANAL	MUNICIPALITY
STONE CREEK TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(HAMILTON WATER SUPPLY)	MUNICIPALITY
THOROLD CITY FORMER TOWN OF THOROLD PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.000	WELLAND SHIP CANAL	MUNICIPALITY
THOROLD CITY FORMER HAMLET OF PORT ROBINSON PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.154	WELLAND SHIP CANAL	MUNICIPALITY
WATERLOO CITY MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	8.500		MUNICIPALITY
WELLAND CITY PLANT TWO	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.500	WELLAND SHIP CANAL	MUNICIPALITY
WELLAND CITY PLANT ONE	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	9.000	WELLAND SHIP CANAL	MUNICIPALITY
WELLESLEY TOWNSHIP LINWOOD POLICE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.031		MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.580		MUNICIPALITY

WEST CENTRAL REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
WILMOT TOWNSHIP NEW HAMBURG SUPPLY	GROUND SOURCE CHLORINATION	1.200		MUNICIPALITY
WOOLWICH TOWNSHIP ST JACOBS POLICE VILLAGE PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.165		MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA SUPPLY	GROUND SOURCE	4.100		MUNICIPALITY



WEST CENTRAL REGION

Regional Municipalities

Regional Municipalities

HALDIMAND NORFOLK**HAMILTON WENTWORTH****NIAGARA****WATERLOO**

Total	Capacity	MIGD	358,692
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REGIONAL MUNICIPALITY OF HALDIMAND NORFOLK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
DELHI TOWNSHIP TURKEY POINT - BOWEN WATER SUPPLY	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.300	LAKE ERIE	MUNICIPALITY
DELHI TOWNSHIP DELHI-SPRING SUPPLY	GROUND SOURCE CHLORINATION	.175		MUNICIPALITY
DELHI TOWNSHIP DELHI-FILTRATION PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.500	NORTH CREEK	MUNICIPALITY
DELHI TOWNSHIP ST WILLIAMS POLICE VILLAGE SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.060		MUNICIPALITY
DUNNVILLE TOWN FORMER DUNN TWP PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	20.500	LAKE ERIE	MINISTRY
DUNNVILLE TOWN DUNVILLE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION (WATER IS SUPPLIED BY)	3.500	(FORMER DUNN TWP PLANT)	MUNICIPALITY
HALDIMAND TOWN HAGERSVILLE PLANT	GROUND SOURCE CHLORINATION	.720		MUNICIPALITY
HALDIMAND TOWN CAYUGA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.240	GRAND RIVER	MUNICIPALITY
HALDIMAND TOWN CALEDONIA PLANT	GROUND SOURCE CHLORINATION	.588		MUNICIPALITY
NANTICOKE CITY PORT DOVER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.300	LAKE ERIE	MUNICIPALITY
NANTICOKE CITY WATERFORD SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.795		MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
NANTICOKE CITY PORT DOVER-SPRING SUPPLY	GROUND SOURCE CHLORINATION	2.300		MUNICIPALITY
NANTICOKE CITY JARVIS PLANT	SURFC SOURCE CHLORINATION	.202	LAKE ERIE	MUNICIPALITY
NORFOLK TOWNSHIP COURTLAND SUPPLY	GROUND SOURCE CHLORINATION	.216		MINISTRY
NORFOLK TOWNSHIP PORT ROWAN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.500	LAKE ERIE	MUNICIPALITY
SIMCOE TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	3.350		MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>37.246</u>		

REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ANCASTER TOWN MUNICIPAL PLANT	GROUND SOURCE	2.074		MUNICIPALITY
DUNDAS TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(HAMILTON WATER SUPPLY)	MUNICIPALITY
FLAMBOROUGH TOWNSHIP WATERDOWN SUPPLY	GROUND SOURCE	.592		MUNICIPALITY
HAMILTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORTIDATION	150.000	LAKE ONTARIO	MUNICIPALITY
STONEY CREEK TOWN MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(HAMILTON WATER SUPPLY)	MUNICIPALITY
 <u>TOTAL CAPACITY</u>		 <u>152.666</u>		

REGIONAL MUNICIPALITY OF NIAGARA

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
FORT ERIE TOWN FORMER VILLAGE OF CRYSTAL BEACH PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1.500	LAKE ERIE	MUNICIPALITY
FORT ERIE TOWN FORMER TOWNSHIP OF BERTIE PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	9.000	LAKE ERIE	MUNICIPALITY
GRIMSBY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.600	LAKE ONTARIO	MUNICIPALITY
LINCOLN TOWN FORMER HAMLET OF VINELAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.630	LAKE ONTARIO	MUNICIPALITY
LINCOLN TOWN FORMER TOWN OF BEAMSVILLE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.900	LAKE ONTARIO	MUNICIPALITY
NIAGARA FALLS CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	32.000	NIAGARA RIVER	MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN VIRGIL/ST.DAVID'S SUPPLY	GROUND SOURCE CHLORINATION	1.397		MUNICIPALITY
NIAGARA-ON-THE-LAKE TOWN FORMER TOWN OF NIAGARA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.630	NIAGARA RIVER	MUNICIPALITY
PELHAM TOWN FORMER VILLAGE OF Fonthill PLANT	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
PORT COLBORNE CITY MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	6.000	WELLAND SHIP CANAL	MUNICIPALITY
ST CATHARINES CITY DE CEW (MAIN PLANT)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	42.000	WELLAND SHIP CANAL	MUNICIPALITY

REGIONAL MUNICIPALITY OF NIAGARA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
THOROLD CITY FORMER TOWN OF THOROLD PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.000	WELLAND SHIP CANAL	MUNICIPALITY
THOROLD CITY FORMER HAMLET OF PORT ROBINSON PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.154	WELLAND SHIP CANAL	MUNICIPALITY
WELLAND CITY PLANT TWO	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.500	WELLAND SHIP CANAL	MUNICIPALITY
WELLAND CITY PLANT ONE	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	9.000	WELLAND SHIP CANAL	MUNICIPALITY
WEST LINCOLN TOWNSHIP SMITHVILLE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.580		MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>118.091</u>		

REGIONAL MUNICIPALITY OF WATERLOO

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAMBRIDGE CITY GALT SUPPLY	GROUND SOURCE CHLORINATION	11.250		MUNICIPALITY
CAMBRIDGE CITY PRESTON SUPPLY	GROUND SOURCE CHLORINATION	3.580		MUNICIPALITY
CAMBRIDGE CITY HESPELFR SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	1.973		MUNICIPALITY
KITCHENER CITY MUNICIPAL SUPPLY	GROUND SOURCE	19.890		MUNICIPALITY
KITCHENER CITY BRIDGEPORT SUPPLY	(WATER IS SUPPLIED BY)		(KITCHENER WATER SUPPLY)	MUNICIPALITY
WATERLOO CITY MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	8.500		MUNICIPALITY
WELLESLEY TOWNSHIP LINWOOD POLICE VILLAGE MUNTCTPAL SUPPLY	GROUND SOURCE	.031		MUNICIPALITY
WILMOT TOWNSHIP NEW HAMBURG SUPPLY	GROUND SOURCE CHLORINATION	1.200		MUNICIPALITY
WOOLWICH TOWNSHIP ST JACOBS POLICE VILLAGE PLANT	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.165		MUNICIPALITY
WOOLWICH TOWNSHIP ELMIRA SUPPLY	GROUND SOURCE	4.100		MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>50.689</u>		



WEST CENTRAL REGION

Area Water Supply Systems

Total Area Water Supply Systems

1

Total Capacity (M I G D)

150,000

SERVING 3 DISTRIBUTION SYSTEMS

AREA WATER SUPPLY SYSTEMS

SYSTEM: HAMILTON WATER SUPPLY

Number of Plants: ONE

Number of Municipalities Served: FOUR

Operated By: REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
HAMILTON CITY (Woodward Ave. Plant)	Coagulation Flocculation Sedimentation Filtration Chlorination Fluoridation	150.0	Ancaster Town Dundas Town Hamilton City Stoney Creek Town	Lake Ontario

Central Region

Ministry
of the
Environment

Ontario

REGIONAL OFFICE

DON MILLS

150 Ferrahd Dr.

416-424-3000

DISTRICT OFFICES

Barrie

12 Fairview Rd.

705-726-1730

Muskoka - Haliburton

Gravenhurst Shopping

Centre

705-687-3408

Peterborough

139 George St. N.

705-743-2972

Halton - Peel

125 Cross Ave. Oakville

416-844-5747

Huntsville Sub-Office

100 Main St. E.

POA 1K0

Central Region



Ministry
of the
Environment

③

Ontario



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DON MILLS
150 Ferrand Dr.
416-424-3000

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Halton-Peel
125 Cross Ave. Oakville
416-844-5747

Huntsville Sub-Office
100 Main St. E.
POA1KO

CENTRAL REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
GROUND SOURCE	31	25.364
GROUND SOURCE PHYSCL TRTMT	6	12.050
GROUND SOURCE CHEM TRTMT	20	33.152
GROUND SOURCE PHYS & CHEM TRTMT	1	216
SURFC SOURCE	9	18.118
SURFC SOURCE PHYSCL TREATMT	3	6.945
SURFC SOURCE PHYS & CHEM TRTMT	23	634.464
TOTAL MINISTRY OPERATED WORKS	12	79.538
TOTAL MUNICIPALLY OPERATED WORKS	81	650.771
TOTAL TREATMENT WORKS	<u>93</u>	<u>730.309</u>
TOTAL AREA WATER SUPPLY SYSTEMS	(2)	(465.000)
TOTAL WATER WORKS FACILITIES (treatment works plus distribution systems)	<u>(111)</u>	

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

SERVING 8 DISTRIBUTION SYSTEMS

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AJAX TOWN AJAX MUN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12.000	LAKE ONTARIO	MUNICIPALITY
ALLISTON TOWN MUNICIPAL SUPPLY	GROUND SOURCE	1.600		MUNICIPALITY
ANSON HINDON & MINDEN TOWNSHIP ANSON HINDON & MINDEN TWP SUPPLY	GROUND SOURCE CHLORINATION	.360		MINISTRY
AURORA TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	3.740		MUNICIPALITY
BARRIE CITY MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	12.500		MUNICIPALITY
BEETON VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.202		MUNICIPALITY
BICROFT IMPROVEMENT DISTRICT CARDIFF TOWNSITE PLANT	GROUND SOURCE	.144		MUNICIPALITY
BURBAYGEON VILLAGE BURBAYGEON WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.120	HOBAYGEON RIVER	MINISTRY
BRACEBRIDGE TOWN MUNICIPAL SUPPLY	SURFC SOURCE GROUND SOURCE CHLORINATION	1.850	LAKE MUSKOKA	MUNICIPALITY
BRADFORD TOWN BRADFORD WWKS	GROUND SOURCE CHLORINATION	1.300		MINISTRY
BRAMPTON CITY BRAMPTON SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
BRAMPTON CITY CHINGUACROUSY SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY

CENTRAL REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
BRIGHTON VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.100		MUNICIPALITY
BROCK TOWNSHIP CANNINGTON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.300		MUNICIPALITY
BROCK TOWNSHIP SUNDERLAND PV SUPPLY	GROUND SOURCE	.468		MUNICIPALITY
BROCK TOWNSHIP BEAVERTON SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.740	LAKE SIMCOE	MUNICIPALITY
BURLINGTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	31.000	LAKE ONTARIO	MUNICIPALITY
CALEDON TOWN MOND MILLS SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.230		MUNICIPALITY
CALEDON TOWN PALGRAVE WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.864		MUNICIPALITY
CALEDON TOWN FARMERS LANE WWKS	GROUND SOURCE CHLORINATION	.036		MUNICIPALITY
CALEDON TOWN FOOTHILL FARM WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.100		MUNICIPALITY
CALEDON TOWN INGLEWOOD SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.054		MUNICIPALITY
CALEDON TOWN BOLTON WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	1.440		MUNICIPALITY
CALEDON TOWN CALEDON HAMLET WWKS (HAWTHORNE ACRES)	GROUND SOURCE CHEM TRTMT CHLORINATION	.144		MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CALEDON TOWN CALEDON EAST WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.400		MUNICIPALITY
CAMPBELLFORD TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.250	TRENT RIVER	MUNICIPALITY
COBOURG TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	8.000	LAKE ONTARIO	MUNICIPALITY
COLBORNE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
COLDWATER VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.125		MUNICIPALITY
COLLINGWOOD TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	10.500	GEORGIAN BAY	MUNICIPALITY
COOKSTOWN VILLAGE COOKSTOWN WWKS	GROUND SOURCE CHLORINATION	.050		MINISTRY
CREEMORE VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.400		MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP SHARON POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(HOLLAND LANDING)	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.504		MUNICIPALITY
ELMVALE VILLAGE ELMVALE WWKS	GROUND SOURCE	.510		MINISTRY
FENELON FALLS VILLAGE FENELON FALLS WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.825	CAMERON LAKE	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
GEORGINA TOWNSHIP SUTTON PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1.000	LAKE SIMCOE	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	SURFC SOURCE GROUND SOURCE CHEM TRTMT CHLORINATION	2.520	GULL LAKE	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	6.800		MUNICIPALITY
HALTON HILLS TOWN ACTON SUPPLY	GROUND SOURCE CHLORINATION	1.207		MUNICIPALITY
HASTINGS VILLAGE HASTINGS WWKS	SURFC SOURCE CHLORINATION	.540	TRENT RIVER	MINISTRY
HAVELOCK VILLAGE HAVELOCK WWKS	GROUND SOURCE CHLORINATION	.216		MINISTRY
HUNTSVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.300	LAKE VERNON	MUNICIPALITY
KING TOWNSHIP KING CITY SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.800		MUNICIPALITY
KING TOWNSHIP NORLETON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.797		MUNICIPALITY
KING TOWNSHIP SCHOMBERG SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.216		MUNICIPALITY
LAKEFIELD VILLAGE LAKEFIELD WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.504	OTONAREE RIVER	MUNICIPALITY
LINDSAY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	5.000	SCUGOG RIVER	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MARKHAM TOWN UNIONVILLE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.910		MUNICIPALITY
MARKHAM TOWN MARKHAM THORNHILL N. OF JOHN ST.	GROUND SOURCE CHEM TRTMT CHLORINATION	3.300		MUNICIPALITY
MARKHAM TOWN MARKHAM DON MILLS-N. STEELS	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
MARKHAM TOWN MARKHAM JOHN ST WTP (THORNHILL AREA)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2.100		MUNICIPALITY
METRO TORONTO CITY WESTERLY PLANT(ETOBICOKE)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	100.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY SCARBOROUGH PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY ISLAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	60.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY R C HARRIS PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	220.000	LAKE ONTARIO	MUNICIPALITY
MIDLAND TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	2.400		MUNICIPALITY
MILLBROOK VILLAGE MILLBROOK (#7 NAS03-IRON CONTROL)	GROUND SOURCE CHEM TRTMT CHLORINATION	.605		MUNICIPALITY
MILTON TOWN MUNICIPAL PLANT	GROUND SOURCE	4.000		MUNICIPALITY
MISSISSAUGA CITY PORT CREDIT SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MISSISSAUGA CITY STREETSVILLE SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
MISSISSAUGA CITY SOUTH PEEL AREA W S S (LAKEVIEW)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	75.000	LAKE ONTARIO	MINISTRY
MUSKOKA LAKES TOWNSHIP BALA SUPPLY	SURFC SOURCE CHLORINATION	.446	LAKE MUSKOKA	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING SUPPLY	SURFC SOURCE CHLORINATION	.300	INDIAN RIVER	MUNICIPALITY
NEWCASTLE TOWN ORONO WWKS	GROUND SOURCE	.252		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	GROUND SOURCE CHLORINATION	.350		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT TWO	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.000	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE SUPPLY	GROUND SOURCE CHLORINATION	.104		MUNICIPALITY
NEWMARKET TOWN NEWMARKET/GWILLIMBURY HTS SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	3.650		MUNICIPALITY
NORWOOD VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.288		MUNICIPALITY
OAKVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	16.000	LAKE ONTARIO	MUNICIPALITY
ORILLIA CITY ORILLIA PLANT	SURFC SOURCE PHYSCL TREATMENT GROUND SOURCE CHLORINATION	6.000	LAKE COUCHICHTING	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
OSHAWA CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30.000	LAKE ONTARIO	MUNICIPALITY
PENETANGUISHENE TOWN MUNICIPAL SUPPLY	GROUND SOURCE I	1.600		MUNICIPALITY
PERCY TOWNSHIP WARKWORTH POLICE VILLAGE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.100	MILL CREEK	MINISTRY
PETERBOROUGH CITY MUNICIPAL SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	21.000	OTONABEE RIVER	MUNICIPALITY
PICKERING TOWN PICKERING PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	5.500	LAKE ONTARIO	MUNICIPALITY
PORT HOPE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	4.420	LAKE ONTARIO	MUNICIPALITY
PORT MCNICOLL VILLAGE MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.805	GEORGIAN BAY	MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WWKS	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2.250		MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.540		MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY SUPPLY	GROUND SOURCE	2.016		MUNICIPALITY
STAYNER TOWN MUNICIPAL SUPPLY	GROUND SOURCE I CHLORINATION	.450		MINISTRY
STAYNER TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.435		MUNICIPALITY

CENTRAL REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
TAY TOWNSHIP SUNNYSIDE SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.330		MUNICIPALITY
TAY TOWNSHIP WAUBASHENE SUPPLY	SURFC SOURCE CHLORINATION	.300	GEORGIAN RAY	MUNICIPALITY
TOTTENHAM VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	1.660		MUNICIPALITY
UXBRIDGE TOWNSHIP UXBRIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.828		MUNICIPALITY
VAUGHAN TOWN CONCORD INDUSTRIAL AREA SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.180		MUNICIPALITY
VAUGHAN TOWN CARRVILLE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.426		MUNICIPALITY
VAUGHAN TOWN WOODBRIIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.030		MUNICIPALITY
VAUGHAN TOWN KLEINBURG SUPPLY	GROUND SOURCE CHLORINATION	.216		MUNICIPALITY
VAUGHAN TOWN MAPLE SUPPLY	GROUND SOURCE CHLORINATION	.490		MUNICIPALITY
VICTORIA HARBOUR VILLAGE VICTORIA HARBOUR SUPPLY	SURFC SOURCE CHLORINATION	.857	GEORGIAN RAY	MUNICIPALITY
WHITBY TOWN BROOKLIN SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.158		MUNICIPALITY
WHITBY TOWN WHITBY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.000	LAKE ONTARIO	MUNICIPALITY

CENTRAL REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE SUPPLY	GROUND SOURCE CHLORINATION	1.190		MUNICIPALITY
WOODVILLE VILLAGE WOODVILLE WELL	GROUND SOURCE CHLORINATION	.067		MINISTRY

CENTRAL REGION

Regional Municipalities

Regional Municipalities

Total Capacity MIGD 642,746

DURHAM HALTON**PEEL YORK****METRO TORONTO****DISTRICT MUNICIPALITY OF MUSKOKA**

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
AJAX TOWN AJAX MUN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12.000	LAKE ONTARIO	MUNICIPALITY
BROCK TOWNSHIP SUNDERLAND PV SUPPLY	GROUND SOURCE	.468		MUNICIPALITY
BROCK TOWNSHIP BEAVERTON SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.740	LAKE SIMCOE	MUNICIPALITY
BROCK TOWNSHIP CANNINGTON SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.300		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT ONE	GROUND SOURCE CHLORINATION	.350		MUNICIPALITY
NEWCASTLE TOWN ORONO WWKS	GROUND SOURCE	.252		MUNICIPALITY
NEWCASTLE TOWN BOWMANVILLE PLANT TWO	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.000	LAKE ONTARIO	MUNICIPALITY
NEWCASTLE TOWN NEWCASTLE SUPPLY	GROUND SOURCE CHLORINATION	.104		MUNICIPALITY
OSHAWA CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30.000	LAKE ONTARIO	MUNICIPALITY
PICKERING TOWN PICKERING PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	5.500	LAKE ONTARIO	MUNICIPALITY
SCUGOG TOWNSHIP PORT PERRY SUPPLY	GROUND SOURCE	2.016		MUNICIPALITY

REGIONAL MUNICIPALITY OF DURHAM

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
UXBRIDGE TOWNSHIP UXBRIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.828		MUNICIPALITY
WHITBY TOWN WHITBY PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.000	LAKE ONTARIO	MUNICIPALITY
WHITBY TOWN BROOKLIN SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.158		MUNICIPALITY
		<u>60.716</u>		
<u>TOTAL CAPACITY</u>				

REGIONAL MUNICIPALITY OF HALTON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
BURLINGTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	31.000	LAKE ONTARIO	MUNICIPALITY
HALTON HILLS TOWN GEORGETOWN PLANT	GROUND SOURCE PHYSCL TRTMT CHLORINATION FLUORIDATION	6.800		MUNICIPALITY
HALTON HILLS TOWN ACTON SUPPLY	GROUND SOURCE CHLORINATION	1.207		MUNICIPALITY
MILTON TOWN MUNICIPAL PLANT	GROUND SOURCE	4.000		MUNICIPALITY
OAKVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	16.000	LAKE ONTARIO	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>59.007</u>		

METRO TORONTO

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
METRO TORONTO CITY R C HARRIS PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	220.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY WESTERLY PLANT(ETORICOKE)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	100.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY SCARBOROUGH PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	30.000	LAKE ONTARIO	MUNICIPALITY
METRO TORONTO CITY ISLAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	60.000	LAKE ONTARIO	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>410.000</u>		

DISTRICT MUNICIPALITY OF MUSKOKA

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
BRACEBRIDGE TOWN MUNICIPAL SUPPLY	SURFC SOURCE GROUND SOURCE CHLORINATION	1.850	LAKE MUSKOKA	MUNICIPALITY
GRAVENHURST TOWN MUNICIPAL PLANT	SURFC SOURCE GROUND SOURCE CHEM TRTMT CHLORINATION	2.520	GULL LAKE	MUNICIPALITY
HUNTSVILLE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.300	LAKE VERNON	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP BALA SUPPLY	SURFC SOURCE CHLORINATION	.446	LAKE MUSKOKA	MUNICIPALITY
MUSKOKA LAKES TOWNSHIP PORT CARLING SUPPLY	SURFC SOURCE CHLORINATION	.300	INDIAN RIVER	MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>6.416</u>		

REGIONAL MUNICIPALITY OF PEEL

163

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
BRAMPTON CITY BRAMPTON SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
BRAMPTON CITY CHINGUACOUSY SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
CALEDON TOWN BOLTON WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	1.440		MUNICIPALITY
CALEDON TOWN CALEDON EAST WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.400		MUNICIPALITY
CALEDON TOWN PALGRAVE WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.864		MUNICIPALITY
CALEDON TOWN FARMERS LANE WWKS	GROUND SOURCE CHLORINATION	.036		MUNICIPALITY
CALEDON TOWN INGLEWOOD SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.054		MUNICIPALITY
CALEDON TOWN CALEDON HAMLET WWKS (HAWTHORNE ACRES)	GROUND SOURCE CHEM TRTMT CHLORINATION	.144		MUNICIPALITY
CALEDON TOWN FOOTHILL FARM WWKS	GROUND SOURCE CHEM TRTMT CHLORINATION	.100		MUNICIPALITY
CALEDON TOWN MONO MILLS SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.230		MUNICIPALITY
MISSISSAUGA CITY SOUTH PEEL AREA W S S (LAKEVIEW)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	75.000	LAKE ONTARIO	MINISTRY

REGIONAL MUNICIPALITY OF PEEL

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MISSISSAUGA CITY STREETSVILLE SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
MISSISSAUGA CITY PORT CREDIT SUPPLY	(WATER IS SUPPLIED BY)		(SOUTH PEEL AREA WSS)	MINISTRY
		<u>78.268</u>		
<u>TOTAL CAPACITY</u>				

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
AURORA TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	3.740		MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP SHARON POLICE VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(HOLLAND LANDING)	MUNICIPALITY
EAST GWILLIMBURY TOWNSHIP HOLLAND LANDING PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.504		MUNICIPALITY
GEORGINA TOWNSHIP SUTTON PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	1.000	LAKE SIMCOE	MUNICIPALITY
KING TOWNSHIP KING CITY SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.800		MUNICIPALITY
KING TOWNSHIP SCHOMBERG SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	.216		MUNICIPALITY
KING TOWNSHIP NORLETOWN SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.797		MUNICIPALITY
MARKHAM TOWN MARKHAM THORNHILL N. OF JOHN ST.	GROUND SOURCE CHEM TRTMT CHLORINATION	3.300		MUNICIPALITY
MARKHAM TOWN MARKHAM DON MILLS-N. STEELS	GROUND SOURCE CHLORINATION	1.000		MUNICIPALITY
MARKHAM TOWN UNIONVILLE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	.960		MUNICIPALITY
MARKHAM TOWN MARKHAM JOHN ST WTP (THORNHILL AREA)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2.100		MUNICIPALITY

REGIONAL MUNICIPALITY OF YORK

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
NEWMARKET TOWN NEWMARKET/GWILLIMBURY HTS SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	3.650		MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL WWKS	GROUND SOURCE PHYSCL TRTMT CHLORINATION	2.250		MUNICIPALITY
RICHMOND HILL TOWN RICHMOND HILL (OAK RIDGES)	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.540		MUNICIPALITY
VAUGHAN TOWN CONCORD INDUSTRIAL AREA SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.180		MUNICIPALITY
VAUGHAN TOWN WOODBIDGE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	2.030		MUNICIPALITY
VAUGHAN TOWN MAPLE SUPPLY	GROUND SOURCE CHLORINATION	.490		MUNICIPALITY
VAUGHAN TOWN CARRVILLE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.426		MUNICIPALITY
VAUGHAN TOWN KLEINBURG SUPPLY	GROUND SOURCE CHLORINATION	.216		MUNICIPALITY
WHITCHURCH-STOUFFVILLE TOWN STOUFFVILLE SUPPLY	GROUND SOURCE CHLORINATION	1.190		MUNICIPALITY
<u>TOTAL CAPACITY</u>		<u>28.339</u>		

CENTRAL REGION

Area Water Supply Systems

Total Area Water Supply Systems

2

Total Capacity (M I G D)

465,000

SERVING 8 DISTRIBUTION SYSTEMS

AREA WATER SUPPLY SYSTEMS

SYSTEM: METROPOLITAN TORONTO WATER SUPPLY SYSTEM

Number of Plants: FOUR

Number of Municipalities Served: EIGHT

Operated By: METRO TORONTO DEPARTMENT OF WORKS

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
ETOBICOKE BOROUGH Westerly Plant	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	100.0	Borough of East York Etobicoke Borough Markham Town North York Borough Scarborough Borough Vaughan Town	Lake Ontario
SCARBORO BOROUGH Scarboro Plant	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	30.0	Borough of East York Etobicoke Borough Markham Town North York Borough Scarborough Borough Toronto City Vaughan Town York Borough	Lake Ontario
TORONTO CITY Island Plant	Coagulation Sedimentation Filtration Taste & Odour Control Chlorination	60.0	Borough of East York Etobicoke Borough North York Borough Scarborough Borough Toronto City Vaughan Town York Borough	Lake Ontario
TORONTO CITY R.C. Harris Plant	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	200.0	Borough of East York Etobicoke Borough North York Borough Scarborough Borough Toronto City Vaughan Town York Borough	

SYSTEM: SOUTH PEEL WATER SUPPLY SYSTEM

Number of Plants: ONE

Number of Municipalities Served: TWO

Operated By: MINISTRY OF ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
MISSISSAUGA Lakeview Plant	Coagulation Sedimentation Filtration Taste & Odour Control Fluoridation Chlorination	75.0	Brampton Mississauga	Lake Ontario

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Southeastern Region



Ministry
of the
Environment
Ontario

REGIONAL OFFICE

KINGSTON

133 Dalton St.
613-549-4000

DISTRICT OFFICES

Belleville

15 Victoria Ave.
613-962-9208

Cornwall

4 Montreal Rd
613-933-7402

Ottawa

2378 Holly Lane
613-521-3450

Pembroke

1000 MacKay St.
P.O. Box 67
613-732-3643



REGIONAL OFFICE
KINGSTON
133 Dalton St.
613-549-4000

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613-962-9208
Cornwall
4 Montreal Rd.
613-933-7402
Ottawa
2378 Holly Lane
613-521-3450
Pembroke
1000 MacKay St.
P.O. Box 67
613-732-3643

SOUTHEASTERN REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD) *</u>
GROUND SOURCE	29	11.694
GROUND SOURCE PHYSCL TRTMT	2	133
GROUND SOURCE CHEM TRTMT	2	208
SURFC SOURCE	17	29.670
SURFC SOURCE PHYSCL TREATMT	3	9.410
SURFC SOURCE PHYS & CHEM TRTMT	24	177.798
TOTAL MINISTRY OPERATED WORKS	20	16.481
TOTAL MUNICIPALLY OPERATED WORKS	57	212.432
TOTAL TREATMENT WORKS	<u>77</u>	<u>228.913</u>
TOTAL AREA WATER SUPPLY SYSTEMS	(1)	(84.000)
TOTAL WATER WORKS FACILITIES (treatment works plus distribution systems)	<u>(84)</u>	

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

SERVING 7 DISTRIBUTION SYSTEMS

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ALEXANDRIA TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.140	ALEXANDER LAKE	MUNICIPALITY
ALFRED VILLAGE ALFRED WWKS	GROUND SOURCE CHLORINATION	.993		MINISTRY
ALFRED TOWNSHIP LEFAIVRE HAMLET SUPPLY	SURFC SOURCE CHLORINATION	.100	OTTAWA RIVER	MUNICIPALITY
ALMONTE TOWN MUNICIPAL PLANT	GROUND SOURCE	1.180		MUNICIPALITY
ARNPRIOR TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3.400	MADAWASKA RIVER	MUNICIPALITY
BANCROFT VILLAGE BANCROFT WWKS	SURFC SOURCE CHLORINATION	1.000	CLARKE LAKE	MUNICIPALITY
BARRY'S BAY VILLAGE BARRY'S BAY WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.550	KAMATISKEG LAKE	MINISTRY
BATH VILLAGE MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.840	LAKE ONTARIO	MUNICIPALITY
BEACHBURG VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	.090		MUNICIPALITY
BELLEVIDUE CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	8.000	RAY OF QUINTE	MUNICIPALITY
BROCKVILLE CITY MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION FLUORIDATION	9.000	ST LAWRENCE RIVER	MUNICIPALITY
CARDINAL VILLAGE CANADA STARCH PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.300	ST. LAWRENCE RIVER	MUNICIPALITY

SOUTHEASTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CARLETON PLACE TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	5.000	MISSISSIPPI RIVER	MUNICIPALITY
CASSELMAN VILLAGE CASSELMAN PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.700	S. NATION RIVER	MINISTRY
CHALK RIVER VILLAGE CHALK RIVER WWKS	SURFC SOURCE CHLORINATION	.430	CORRY LAKE	MINISTRY
CHESTERVILLE VILLAGE CHESTERVILLE WWKS	GROUND SOURCE CHLORINATION	.244		MINISTRY
CLARENCE TOWNSHIP BOURGET POLICE VILLAGE SUPPLY	GROUND SOURCE NO TREATMENT CHLORINATION	.086		MUNICIPALITY
CLARENCE TOWNSHIP ST PASCHAL BAYLON SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.043		MUNICIPALITY
CLARENCE TOWNSHIP CLARENCE CREEK SUPPLY	GROUND SOURCE CHLORINATION	.080		MUNICIPALITY
CLARENCE TOWNSHIP CHENEY SUPPLY	GROUND SOURCE	.100		MUNICIPALITY
CLARENCE TOWNSHIP HAMMOND SUPPLY	GROUND SOURCE	.028		MUNICIPALITY
CORDEN VILLAGE CORDEN	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.058	MUSKRAT LAKE	MUNICIPALITY
CORNWALL CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	18.000	LAKE ST LAWRENCE	MUNICIPALITY
CORNWALL TOWNSHIP LONG SAULT HAMLET PLANT	SURFC SOURCE CHLORINATION	.635	LAKE ST LAWRENCE	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CUMBERLAND TOWNSHIP QUEENSWOOD SUBDIVISION PLANT	GROUND SOURCE CHLORINATION	.320		MUNICIPALITY
DEEP RIVER TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRMT CHLORINATION FLUORIDATION	3.100	OTTAWA RIVER	MUNICIPALITY
DELORO VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.140		MUNICIPALITY
DESERONTO TOWN DESERONTO WTP	SURFC SOURCE CHLORINATION	2.500	BAY OF QUINTE	MUNICIPALITY
EGANVILLE VILLAGE EGANVILLE WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.180	BONNECHERE RIVER	MINISTRY
ERNESTOWN TOWNSHIP ODESSA PLANT	SURFC SOURCE PHY & CHEM TRMT CHLORINATION	.450	MILLHAVEN CREEK	MINISTRY
ERNESTOWN TOWNSHIP AMHERSTVIEW PLANT	SURFC SOURCE CHLORINATION	1.150	LAKE ONTARIO	MUNICIPALITY
FRANKFORD VILLAGE FRANKFORD SUPPLY	GROUND SOURCE CHLORINATION	.540		MINISTRY
GANANOQUE SEPARATED TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	2.160	ST. LAWRENCE RIVER	MUNICIPALITY
GLOUCESTER TOWNSHIP ORLEANS POLICE VILLAGE SUPPLY	GROUND SOURCE CHLORINATION	.134		MUNICIPALITY
GOULBOURN TOWNSHIP GLENCATRN PLANT	GROUND SOURCE CHLORINATION	.436		MUNICIPALITY
HAWKESBURY TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRMT CHLORINATION FLUORIDATION	2.500	OTTAWA RIVER	MUNICIPALITY

SOUTHEASTERN REGION

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MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
IROQUOIS VILLAGE MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	1.600	ST LAWRENCE RIVER	MUNICIPALITY
KEMPTVILLE TOWN MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	1.020		MUNICIPALITY
KINGSTON TOWNSHIP POINT PLEASANT PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	6.000	LAKE ONTARIO	MINISTRY
KINGSTON TOWNSHIP QUEEN'S ACRES PLANT	SURFC SOURCE CHLORINATION	.500	COLLINS BAY (L. ONTARIO)	MUNICIPALITY
KINGSTON TOWNSHIP WEST BROOK PLANT	GROUND SOURCE CHLORINATION	.115		MUNICIPALITY
KINGSTON CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	26.000	LAKE ONTARIO	MUNICIPALITY
L'ORIGINAL VILLAGE L'ORIGINAL SUPPLY	GROUND SOURCE CHLORINATION	.080		MINISTRY
LANCASTER VILLAGE LANCASTER PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.054		MINISTRY
LEEDS & LANSLOWNE, FRONT TOWNSHIP LANSLOWNE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	.154		MINISTRY
MADOC VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.330		MUNICIPALITY
MARCH TOWNSHIP KANATA SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITANNIA PLANT)	MUNICIPALITY
MARMORA VILLAGE MARMORA WTP	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.230	CROWE RIVER	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MERRICKVILLE VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.475		MINISTRY
MORRISBURG VILLAGE MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	2.300	ST LAWRENCE RIVER	MUNICIPALITY
NAPANEE TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.800	NAPANEE RIVER	MUNICIPALITY
NEPEAN TOWNSHIP BARRHAVEN SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
NEPEAN TOWNSHIP LAKEVIEW SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
NEPEAN TOWNSHIP LYNWOOD VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
NORTH PLANTAGENET TOWNSHIP WENDOVER POLICE VILLAGE PLANT	SURFC SOURCE CHLORINATION	.120	OTTAWA RIVER	MUNICIPALITY
OSNABRUCK TOWNSHIP INGLESTIDE HAMLET PLANT	SURFC SOURCE CHLORINATION	1.800	ST LAWRENCE RIVER	MUNICIPALITY
OTTAWA CITY BRITTANNIA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
OTTAWA CITY LEMIEUX ISLAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
PEMBROKE CITY MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	6.200	OTTAWA RIVER	MUNICIPALITY
PERTH TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2.000	TAY RIVER	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
PETAWAWA VILLAGE MUNICIPAL PLANT (DEPT NAT DEF)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	3.000	OTTAWA RIVER	MUNICIPALITY
PICTON TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	2.000	PICTON BAY (L. ONTARIO)	MUNICIPALITY
PITTSBURGH TOWNSHIP PITTSBURG SUPPLY	(WATER IS SUPPLIED BY)		(KINGSTON CITY WSS)	MINISTRY
PITTSBURGH TOWNSHIP GLEN LAWRENCE WATER WORKS	SURFC SOURCE CHLORINATION	.015	ST LAWRENCE RIVER	MUNICIPALITY
PITTSBURGH TOWNSHIP CANA SUBDIVISION PLANT	GROUND SOURCE CHLORINATION	.015		MUNICIPALITY
PLANTAGENET VILLAGE PLANTAGENET WWS	GROUND SOURCE CHLORINATION	.120		MINISTRY
PRESCOTT SEPARATED TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	3.020	ST LAWRENCE RIVER	MUNICIPALITY
RENFREW TOWN RENFREW PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.000	BONNECHERE RIVER	MINISTRY
RIDEAU TOWNSHIP HILLSIDE GARDENS SUPPLY	GROUND SOURCE CHLORINATION	.117		MUNICIPALITY
ROCKCLIFFE PARK VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LEMIFUX ISLAND PLANT)	MUNICIPALITY
ROCKLAND TOWN ROCKLAND WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.800	OTTAWA RIVER	MINISTRY
SIDNEY TOWNSHIP BATAWA PLANT	SURFC SOURCE CHLORINATION	1.140	TRENT RIVER	MUNICIPALITY

SOUTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
SMITH FALLS SEPARATED TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.000	RIDEAU RIVER	MUNICIPALITY
ST. ISIDORE DE PRESCOTT VILLAGE ST. ISIDORE DE PRESCOTT	GROUND SOURCE CHLORINATION	.060		MUNICIPALITY
STIRLING VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.580		MUNICIPALITY
TRENTON TOWN FILTRATION PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	2.160	TRENT RIVER	MUNICIPALITY
TRENTON TOWN SPRING SUPPLY	GROUND SOURCE	3.300		MUNICIPALITY
TWEED VILLAGE MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.440		MUNICIPALITY
VANIER CITY MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LEMIEUX ISLAND PLANT)	MUNICIPALITY
VANKLEEK HILL TOWN VANKLEEK HILL WWK	GROUND SOURCE CHLORINATION	.115		MINISTRY
WELLINGTON VILLAGE WELLINGTON WWKS	GROUND SOURCE CHLORINATION	.160		MINISTRY
WEST CARLETON TOWNSHIP HUNTLEY-JULIA SUBDIVISION SUPPLY	GROUND SOURCE CHLORINATION	.050		MUNICIPALITY
WESTPORT VILLAGE WESTPORT WWKS	GROUND SOURCE CHLORINATION	.054	UPPER RIDEAU LAKE	MINISTRY
WINCHESTER VILLAGE WINCHESTER SUPPLY	GROUND SOURCE CHLORINATION	.382		MINISTRY

SOUTHEASTERN REGION

Regional Municipalities

Regional Municipalities

Total Capacity MIGD 85.057

OTTAWA CARLETON

REGIONAL MUNICIPALITY OF OTTAWA CARLETON

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CUMBERLAND TOWNSHIP QUEENSWOOD SUBDIVISION PLANT	GROUND SOURCE CHLORINATION	.320		MUNICIPALITY
GLOUCESTER TOWNSHIP ORLEANS POLICE VILLAGE SUPPLY	GROUND SOURCE CHLORINATION	.134		MUNICIPALITY
GOULBOURN TOWNSHIP GLENCAIRN PLANT	GROUND SOURCE CHLORINATION	.436		MUNICIPALITY
MARCH TOWNSHIP KANATA SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
NEPEAN TOWNSHIP LAKEVIEW SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
NEPEAN TOWNSHIP LYNWOOD VILLAGE SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
NEPEAN TOWNSHIP BARRHAVEN SUPPLY	(WATER IS SUPPLIED BY)		(OTTAWA BRITTANNIA PLANT)	MUNICIPALITY
OTTAWA CITY BRITTANNIA PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
OTTAWA CITY LEMIEUX ISLAND PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	42.000	OTTAWA RIVER	MUNICIPALITY
RIDEAU TOWNSHIP HILLSIDE GARDENS SUPPLY	GROUND SOURCE CHLORINATION	.117		MUNICIPALITY
ROCKCLIFFE PARK VILLAGE MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(LEMIEUX ISLAND PLANT)	MUNICIPALITY

MUNICIPALITY

TREATMENT TYPE

CAPACITY
(MGD)

WATERCOURSE

OPERATED BY

VANIER
CITY
MUNICIPAL SUPPLY

(WATER IS SUPPLIED BY)

(LEMIEUX ISLAND PLANT)

MUNICIPALITY

WEST CARLETON
TOWNSHIP
HUNTLEY-JULIA SUBDIVISION SUPPLYGROUND SOURCE
CHLORINATION

.050

MUNICIPALITY

TOTAL CAPACITY85.057

134

SOUTHEASTERN REGION

Area Water Supply Systems

Total Area Water Supply Systems

1

Total Capacity (MIGD)

84,000

SERVING 7 DISTRIBUTION SYSTEMS

AREA WATER SUPPLY SYSTEMS

SYSTEM: OTTAWA WATER SUPPLY SYSTEM

Number of Plants: TWO

Number of Municipalities Served: EIGHT

Operated By: REGIONAL MUNICIPALITY OF OTTAWA CARLETON

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
OTTAWA CITY Britannia Plant	Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	42.0	Cumberland TWP. Gloucester TWP. Goulbourn TWP. March TWP. Nepean TWP. Ottawa City Rockcliff Park Village Vanier City	Ottawa River
OTTAWA CITY Lemieux Island Plant	Coagulation Sedimentation Filtration Taste & Odour Control Ph Adjustment Fluoridation Chlorination	42.0	Cumberland TWP. Gloucester TWP. Goulbourn TWP. March TWP. Nepean TWP. Ottawa City Rockcliff Park Village Vanier City	Ottawa River

Northeastern Region

⑤

Ministry
of the
Environment

Ontario

REGIONAL OFFICE

SUDBURY

469 Bouchard St.
705-522-8282

DISTRICT OFFICES

North Bay

1500 Fisher St.
705-476-1001

Sault Ste. Marie

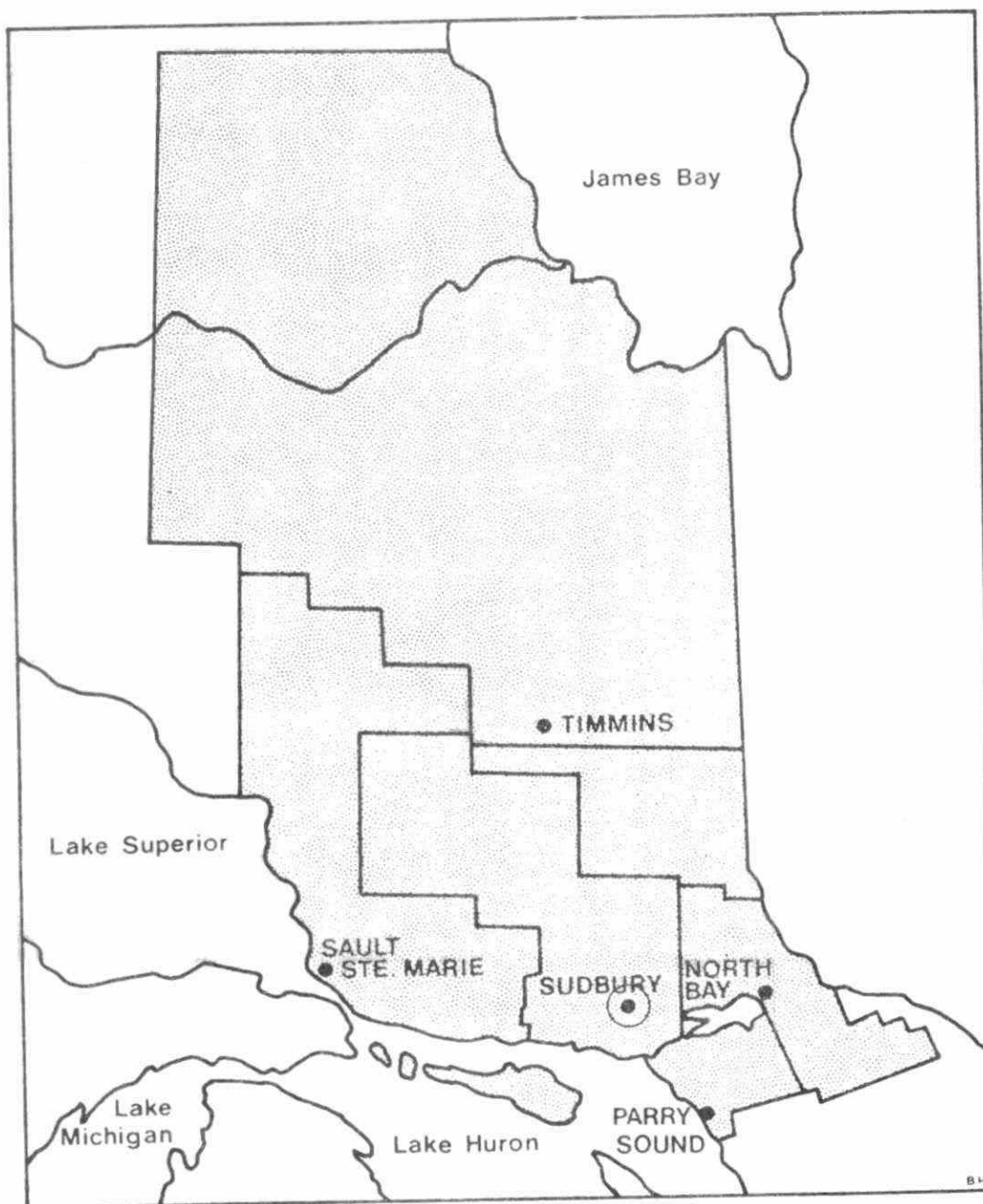
445 Albert St. E.
705-949-4640

Timmins

83 Algonquin Blvd. W.
705-264-9474

Parry Sound

74 Church St.
705-746-2139



REGIONAL OFFICE
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DISTRICT OFFICES
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1500 Fisher St.
705-476-1001
Sault Ste. Marie
445 Albert St. E.
705-949-4640
Timmins
83 Algonquin Blvd. W.
705-264-9474
Parry Sound
74 Church St.
705-746-2139

NORTHEASTERN REGION SUMMARY

139

<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD)*</u>
GROUND SOURCE	21	12.510
GROUND SOURCE PHYSCL TRTMT	5	2.515
GROUND SOURCE CHEM TRTMT	3	6.110
GROUND SOURCE PHYS & CHEM TRTMT	1	1.250
SURFC SOURCE	29	78.004
SURFC SOURCE PHYSCL TREATMT	2	2.090
SURFC SOURCE CHEM TRTMT	1	2.400
SURFC SOURCE PHYS & CHEM TRTMT	15	47.934
TOTAL MINISTRY OPERATED WORKS	23	23.608
TOTAL MUNICIPALLY OPERATED WORKS	54	129.205
TOTAL TREATMENT WORKS	<u>77</u>	<u>152.813</u>
TOTAL AREA WATER SUPPLY SYSTEMS	(1)	(3.300)
TOTAL WATER WORKS FACILITIES (treatment works plus distribution systems)	<u>(78)</u>	

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

SERVING 1 DISTRIBUTION SYSTEM

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ARMSTRONG TOWNSHIP EARLTON SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.070		MUNICIPALITY
ASSIGINACK TOWNSHIP MANITOWANING	SURFC SOURCE CHLORINATION	.085	MANITOWANING BAY	MINISTRY
BILLINGS TOWNSHIP KAGAWONG PLANT	SURFC SOURCE CHLORINATION	.015	KAGAWONG LAKE	(MUNICIPALITY) (PRIVATE CO.)
BLACK RIVER - MATHESON TOWNSHIP HOLTYRE PLANT	GROUND SOURCE CHLORINATION	.120		MUNICIPALITY
BLACK RIVER - MATHESON TOWNSHIP MATHESON PLANT	SURFC SOURCE CHLORINATION	.280	WHITEFISH LAKE	MUNICIPALITY
BLACK RIVER-MATHESON TOWNSHIP RAMORE PLANT	GROUND SOURCE	.108		MINISTRY
BLIND RIVER TOWN MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION FLUORIDATION	.785		MUNICIPALITY
BRUCE MINES TOWN BRUCE MINES SUPPLY	SURFC SOURCE CHLORINATION FLUORIDATION	.108	L. HURON ST. JOSEPH'S CHNL	MINISTRY
BURK'S FALLS VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE	.245		MUNICIPALITY
CACHE BAY TOWN CACHE BAY WWKS	SURFC SOURCE CHLORINATION	.220	TANNER LAKE	MINISTRY
CALDWELL TOWNSHIP VERNER POLICE VILLAGE PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.233	VEUVE RIVER	MINISTRY
CAPREOL TOWN MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	.640		MUNICIPALITY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
CHAPLEAU TOWNSHIP CHAPLEAU WATER WORKS	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	6.000	CHAPLEAU LAKE	MINISTRY
COBALT TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	3.200	LAKE SASAGTNAGA	MUNICIPALITY
COCHRANE TOWN COCHRANE WATER SUPPLY	GROUND SOURCE PHY & CHEM TRTMT CHLORINATION	1.250		MUNICIPALITY
DUBREUILVILLE UNORGANISED TWP DUBREUILVILLE WATER WORKS	GROUND SOURCE	.010	(ELGIN AREA WSS)	MUNICIPALITY
DYMOND TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	1.224		MUNICIPALITY
ELLIOT LAKE TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	6.740	ELLIOT LAKE	MUNICIPALITY
ENGLEHART TOWN MUNICIPAL SUPPLY	GROUND SOURCE	.720		MUNICIPALITY
ESPANOLA TOWN ESPANOLA WTP	SURFC SOURCE CHLORINATION FLUORIDATION	1.500	ASPEY LAKE	MINISTRY
FAUQUIER TOWNSHIP MOONBEAM WTP	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.070		MINISTRY
FOLEYET UNORGANISED TWP FOLEYET MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.144	IVANHOE RIVER	MUNICIPALITY
GLACKMEYER TOWNSHIP MUNICIPAL SUPPLY	(WATER IS SUPPLIED BY)		(COCHRANE WATER SUPPLY)	MUNICIPALITY
GORE BAY TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.294	LAKE HURON	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
HAILEYBURY TOWN HAILEYBURY WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	1.500	LAKE TIMISKAMING	MINISTRY
HEARST TOWN HEARST SUPPLY	SURFC SOURCE CHLORINATION	2.020	MATTAWISHKWA RIVER	MUNICIPALITY
HILTON BEACH VILLAGE MUNICIPAL PLANT	GROUND SOURCE	.010		MUNICIPALITY
IROQUOIS FALLS TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.900	ARITJRI RIVER	MUNICIPALITY
JACK AND NOBLE TOWNSHIP GOGAMA (ONT. GOV'T SERVICES)	SURFC SOURCE CHLORINATION	.072	MINISTINAKWA LAKE	MINISTRY OF GOV'T SERVICES
JACK AND NOBLE TOWNSHIP GOGAMA (CNR)	SURFC SOURCE CHLORINATION	.120	MINISTINAKWA LAKE	MINISTRY OF GOV'T SERVICES
KAPUSKASING TOWN MUNICIPAL PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION	2.160		MUNICIPALITY
KIRKLAND LAKE TOWN KIRKLAND LAKE AND CHAPUT HUGHES PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	12.400	GULI LAKE	MUNICIPALITY
KIRKLAND LAKE TOWN SWASTIKA PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION FLUORIDATION	.360	BLANCHE RIVER	MUNICIPALITY
LARDER LAKE TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE	.576		MUNICIPALITY
LATCHFORD TOWN LATCHFORD WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.144	MONTREAL R	MINISTRY
LITTLE CURRENT TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.597	LAKE HURON	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MASSEY TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.300	AUX SABLE RIVER	MUNICIPALITY
MATACHEWAN IMPROVEMENT DISTRICT MUNICIPAL PLANT	GROUND SOURCE CHLORINATION	.040		MUNICIPALITY
MATTAWA TOWN MUNICIPAL PLANT	GROUND SOURCE	1.080		MUNICIPALITY
MCDUGALL TOWNSHIP CIL PLANT	SURFC SOURCE CHLORINATION	3.300	GEORGIAN RAY	MUNICIPALITY
MCDUGALL TOWNSHIP NOBEL HAMLET SUPPLY	GROUND SOURCE	.144		MUNICIPALITY
MCGARRY TOWNSHIP VIRGINIATOWN AND KEARNS MUNICIPL SUPPLY	SURFC SOURCE CHLORINATION	.864	LARDER LAKE	MUNICIPALITY
MICHIPICOTEN TWP TOWNSHIP MICHIPICOTEN TWP WWKT	SURFC SOURCE CHLORINATION	2.440	WAWA LAKE	MINISTRY
MISSANABIE UNORGANISED TWP MISSANABIE WATER WORKS (AUSTIN LUMBER)	SURFC SOURCE CHLORINATION	.010	DOG LAKE	MUNICIPALITY
MOOSONEE DEVELOPMENT AREA MOOSONEE NORTH WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.144	BUTLER CREEK	MINISTRY
MOOSONEE DEV AREA BD DEVELOPMENT AREA MOOSONEE WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.150	STORE CREEK	MINISTRY
NEW LISKEARD TOWN NEW LISKEARD SUPPLY	GROUND SOURCE PHYSCL TRTMT CHLORINATION	1.620		MUNICIPALITY
NICKEL CENTRE TOWN GARSON SUPPLY	GROUND SOURCE	1.900		MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE SUPPLY	GROUND SOURCE CHLORINATION	2.660		MUNICIPALITY (FALCONBRIDGE)
NORTH SHORE UNORGANISED TWP SERPENT RIVER SUPPLY (LEWIS TWP)	SURFC SOURCE CHLORINATION	.100	SERPENT RIVER	MINISTRY
NORTH SHORE UNORGANISED TWP CLEMENTS SUPPLY	(WATER IS SUPPLIED BY)		(SPANISH HOLDINGS)	MUNICIPALITY
NORTH SHORE UNORGANISED TWP MITCHELL WATER PLANT (SHEDDEN TWP)	SURFC SOURCE CHLORINATION	.500		MUNICIPALITY
NORTH SHORE UNORGANISED TWP WEATHERLY WATER PLANT (SHEDDEN TWP)	GROUND SOURCE	.010		MUNICIPALITY
NORTH BAY CITY MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	22.000	TROUT LAKE	MUNICIPALITY
NORTH HIMS WORTH TOWNSHIP CALLANDER WELL	GROUND SOURCE PHYSCL TRTMT CHLORINATION	.115		MINISTRY
ONAPING FALLS TOWN LEVACK SUPPLY (INCO)	SURFC SOURCE CHEM TREATMENT GROUND SOURCE CHEM TRTMT	2.400	ONAPING RIVER	MUNICIPALITY (INCO)
ONAPING FALLS TOWN ONAPING SUPPLY (FALCONBRIDGE)	GROUND SOURCE CHLORINATION	1.150		MUNICIPALITY (FALCONBRIDGE)
PARRY SOUND TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	2.000	GEORGIAN RAY	MUNICIPALITY
PINARD TOWNSHIP FRASERDALE (ONT. HYDRO)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.072	ABITIBI RIVER	MINISTRY
POWASSAN TOWN MUNICIPAL SUPPLY	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.288	GENESSEE CREEK	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
RATTER & DINNETT TOWNSHIP WARREN HAMLET SUPPLY	GROUND SOURCE	.144		MINISTRY
SAULT STE MARIE CITY MUNICIPAL PLANT	SURFC SOURCE GROUND SOURCE CHLORINATION	16.000	ST. MARY'S RIVER	MUNICIPALITY
SHACKLETON AND MACHIN TOWNSHIP FAUQUIER PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.083	GROUNDHOG RIVER	MINISTRY
SHEDDEN UNORGANISED TWP SPANISH PLANT	GROUND SOURCE	.070		MUNICIPALITY
SMOOTH ROCK FALLS TOWN SMOOTH ROCK FALLS (ABITIBI WTP)	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	4.170	MATTAGAMI RIVER	MUNICIPALITY (ABITIBI)
SOUTH RIVER VILLAGE MUNICIPAL SUPPLY	GROUND SOURCE CHLORINATION	.240		MUNICIPALITY
STURGEON FALLS TOWN MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	1.730	STURGEON RIVER	MUNICIPALITY
SUDBURY CITY WANAPITET WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.250	WANAPITET RIVER	MINISTRY
SUDBURY CITY COPPER CLIFF/INCO-VERMILION	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	10.070	VERMILION RIVER	MUNICIPALITY
SUDBURY CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12.000	RAMSEY LAKE	MUNICIPALITY
TEMAGAMI TOWNSHIP NEW TOWNSITE PLANT	SURFC SOURCE CHLORINATION	.245	NET LAKE	MUNICIPALITY
TEMAGAMI TOWNSHIP OLD TOWNSITE PLANT	SURFC SOURCE CHLORINATION	.288	LAKE TEMAGAMI	MUNICIPALITY

NORTHEASTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
THESSALON TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	1.730	LAKE HURON	MUNICIPALITY
TIMMINS CITY SCHUMACHER SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION FLUORIDATION		(TIMMINS MUNICIPAL PLANT)	MUNICIPALITY
TIMMINS CITY SOUTH PORCUPINE PLANT	GROUND SOURCE CHLORINATION FLUORIDATION	1.000		MUNICIPALITY
TIMMINS CITY PORCUPINE AND POTTSVILLE PLANT	GROUND SOURCE CHLORINATION	.274		MUNICIPALITY
TIMMINS CITY MOUNTJOY SUPPLY	(WATER IS SUPPLIED BY) CHLORINATION		(TIMMINS MUNICIPAL PLANT)	MUNICIPALITY
TIMMINS CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	6.000	MATTAGAMI RIVER	MUNICIPALITY
VALLEY E/RAYSIDE-HALFOUR TOWN BLEZARD VALLEY WSS	GROUND SOURCE CHEM TRTMT CHLORINATION	3.300		MINISTRY
WALDEN TOWN LIVELY SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT)	MUNICIPALITY
WALDEN TOWN CREIGHTON SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT)	MUNICIPALITY
WHITE RIVER IMPROVEMENT DISTRICT MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	.432	LITTLE TUKANEE LAKE	MUNICIPALITY
WICKSTED TOWNSHIP HORNEYPAYNE PLANT	GROUND SOURCE CHEM TRTMT CHLORINATION FLUORIDATION	.650		MINISTRY

NORTHEASTERN REGION

Regional Municipalities

Regional Municipalities

Total Capacity MIGD 40,300

SUDBURY

REGIONAL MUNICIPALITY OF SUDBURY

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MIGD)	WATERCOURSE	OPERATED BY
CAPREOL TOWN MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	6.640		MUNICIPALITY
NICKEL CENTRE TOWN GARSON SUPPLY	GROUND SOURCE	1.900		MUNICIPALITY
NICKEL CENTRE TOWN FALCONBRIDGE TOWNSITE SUPPLY	GROUND SOURCE CHLORINATION	2.660		MUNICIPALITY (FALCONBRIDGE)
ONAPING FALLS TOWN ONAPING SUPPLY (FALCONBRIDGE)	GROUND SOURCE CHLORINATION	1.150		MUNICIPALITY (FALCONBRIDGE)
ONAPING FALLS TOWN LEVACK SUPPLY (INCO)	SURFC SOURCE CHEM TREATMENT GROUND SOURCE CHEM TRTMT	2.400	ONAPING RIVER	MUNICIPALITY (INCO)
SUDBURY CITY WANAPITET WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	6.250	WANAPITET RIVER	MINISTRY
SUDBURY CITY COPPER CLIFF/INCO-VERMILION	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	10.000	VERMILION RIVER	MUNICIPALITY
SUDBURY CITY MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	12.000	RAMSEY LAKE	MUNICIPALITY
VALLEY E/RAYSIDE-BALFOUR TOWN BLEZARD VALLEY WSS	GROUND SOURCE CHEM TRTMT CHLORINATION	3.300		MINISTRY
WALDEN TOWN LIVELY SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT	MUNICIPALITY
WALDEN TOWN CREIGHTON SUPPLY	(WATER IS SUPPLIED BY)		(COPPER CLIFF/INCO PLANT	MUNICIPALITY

TOTAL CAPACITY

40.300

NORTHEASTERN REGION

Area Water Supply Systems

Total Area Water Supply Systems

1

SERVING 2 DISTRIBUTION SYSTEMS

Total Capacity (M I G D)

3.300

AREA WATER SUPPLY SYSTEMS

SYSTEM: BLEZARD VALLEY WATER SUPPLY SYSTEM

Number of Plants: one (six wells)

Number of Municipalities Served: two

Operated By: MINISTRY OF THE ENVIRONMENT

PLANT LOCATION	TREATMENT	CAPACITY (MIGD)	MUNICIPALITIES SERVED	SOURCE
VALLEY EAST TOWN	SCREENING Chlorination	3.3	Valley East Town Rayside-Balfour Town	Ground six wells

Northwestern Region

⑥



Ontario

Ministry
of the
Environment

REGIONAL OFFICE

THUNDER BAY
435 James St. S.
P.O. Box 5000
807-475-1205

DISTRICT OFFICE

Kenora
808 Robertson St.
807-468-5578

Northwestern Region

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of the
Environment

Ontario



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NORTHWESTERN REGION SUMMARY

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<u>TREATMENT TYPE</u>	<u>NUMBER</u>	<u>TOTAL CAPACITY (MIGD) *</u>
GROUND SOURCE	3	3.132
GROUND SOURCE PHYSCL TRTMT	1	2.304
GROUND SOURCE CHEM TRTMT	1	1.200
SURFC SOURCE	15	90.770
SURFC SOURCE PHYSCL TREATMT	2	686
SURFC SOURCE PHYS & CHEM TRTMT	4	3.954
TOTAL MINISTRY OPERATED WORKS	9	6.460
TOTAL MUNICIPALLY OPERATED WORKS	17	95.586
TOTAL TREATMENT WORKS	<u>26</u>	<u>102.046</u>
TOTAL AREA WATER SUPPLY SYSTEMS	(0)	(0)

* Note: All capacities are shown in millions of imperial gallons per day. (MIGD) i.e. One million gallons appears as 1.000

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
ATIKOKAN TOWNSHIP MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	3.100	ATIKOKAN RIVER	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT CUCHENOUR TOWNSITE PLANT	SURFC SOURCE CHLORINATION	1.730	BRUCE CHANNEL (RED LAKE)	MUNICIPALITY
BALMERTOWN IMPROVEMENT DISTRICT BALMERTOWN TOWNSITE PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	2.600	SANDY BAY (RED LAKE)	MUNICIPALITY
CARAMAT UNORGANISED TWP MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.144	CARAMAT LAKE	MUNICIPALITY
DRYDEN TOWN MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	3.000	WABIGOON LAKE	MUNICIPALITY
EAR FALLS TOWNSHIP EAR FALLS PLANT	SURFC SOURCE CHLORINATION	.250	ENGLISH RIVER	MINISTRY
EMO TWP TOWNSHIP EMO TWP WTP	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION	.090	RAINY RIVER	MINISTRY
FORT FRANCES TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	7.600	RAINY RIVER	MUNICIPALITY
GERALDTON TOWN GERALDTON WWKS	SURFC SOURCE CHLORINATION	1.700	CECILE LAKE	MINISTRY
IGNACE TOWNSHIP IGNACE TOWNSITE SUPPLY	GROUND SOURCE CHEM TRTMT CHLORINATION	1.200		MINISTRY
KENORA TOWN MAIN PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	5.850	LAKE OF THE WOODS	MUNICIPALITY
LONGLAC TOWNSHIP MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.340	LONG LAKE	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
MACHIN TOWNSHIP VERMILLION RAY	SURFC SOURCE CHLORINATION	.300	EAGLE LAKE	MINISTRY
MANITOWADGE TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE PHYSCL TRTMT	2.304		MUNICIPALITY
MARATHON TOWNSHIP MUNICIPAL SUPPLY	GROUND SOURCE	1.332		MUNICIPALITY
NAKINA IMPROVEMENT DISTRICT NAKINA SUPPLY	GROUND SOURCE CHLORINATION	1.080		MINISTRY
NIPIGON TOWNSHIP MUNICIPAL PLANT	SURFC SOURCE PHYSCL TREATMENT CHLORINATION	.346	NIPIGON RIVER	MUNICIPALITY
PICKLE LAKE IMPROVEMENT DISTRICT PICKLE LAKE WWKS	GROUND SOURCE CHLORINATION	.720		MINISTRY
RAINY RIVER TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	2.160	RAINY RIVER	MUNICIPALITY
RED LAKE TOWNSHIP RED LAKE WWKS	SURFC SOURCE CHLORINATION	.400	SKOOKUM BAY (RED LAKE)	MINISTRY
RED ROCK IMPROVEMENT DISTRICT MUNICIPAL PLANT	SURFC SOURCE PHY & CHEM TRTMT CHLORINATION FLUORIDATION	.720	NIPIGON BAY (L. SUPERIOR)	MINISTRY
SCHREIRER TOWNSHIP MUNICIPAL SUPPLY	SURFC SOURCE CHLORINATION	.500	COOK'S LAKE	MUNICIPALITY
SIOUX LOOKOUT TOWN MUNICIPAL PLANT	SURFC SOURCE CHLORINATION FLUORIDATION	1.080	PELICAN LAKE	MUNICIPALITY
TERRACE BAY TOWNSHIP MUNICIPAL PLANT	SURFC SOURCE CHLORINATION	32.000	LAKE SUPERIOR	MUNICIPALITY

NORTHWESTERN REGION

MUNICIPALITY	TREATMENT TYPE	CAPACITY (MGD)	WATERCOURSE	OPERATED BY
THUNDER BAY CITY BARE POINT PLANT	SURFC SOURCE CHLORINATION	15.500	THUNDER BAY (L SUPERIOR)	MUNICIPALITY
THUNDER BAY CITY LOCH LOMOND PLANT	SURFC SOURCE CHLORINATION	16.000	LOCH LOMOND LAKE	MUNICIPALITY

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