

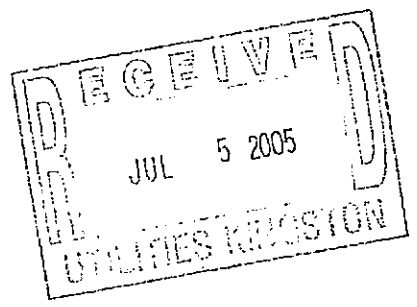
**APPENDIX B-1**

**CERTIFICATE OF APPROVAL NO. 9808-6C4N5V**

Copy: Kevin

Ministry of the Environment  
Environmental Assessment and  
Approvals Branch  
Floor 12A  
2 St Clair Ave W  
Toronto ON M4V 1L5  
Fax: (416)314-8452  
Telephone: (416) 212-3707

Ministère de l'Environnement  
Direction des évaluations et des  
autorisations environnementales  
Étage 12A  
2 av St Clair O  
Toronto ON M4V 1L5  
Télécopieur : (416)314-8452  
Téléphone : (416) 212-3707



June 23, 2005

James A. Keech, President, Utilities Kingston  
The Corporation of the City of Kingston  
PO Box 790 Stn Main  
Kingston, Ontario  
K7L 4X7

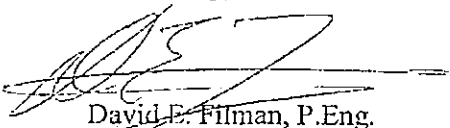
Dear Sir/Madam:

**Re: Application for Approval of Municipal Drinking Water Systems  
Certificate of Approval - Kingston West WTP  
Kingston City, Management Unit of Frontenac  
MOE Reference Number 9545-67RLQS**

Enclosed is the amended Certificate of Approval for the above noted water works, issued in accordance with Part V of the Safe Drinking Water Act. This certificate revokes and replaces the previously issued certificate, Certificate No. 8537-622QH7 issued September 14, 2004 and Certificate No. 8219-5LAJB8 issued on April 22, 2003.

If you have any questions regarding the above, please contact Robert Holtforster, P.Eng. at 416-212-4840.

Yours truly,

  
David E. Filman, P.Eng.  
Director, Part V, SDWA

- c: Drinking Water Supervisor, MOE Kingston - District
- Mike Elliott, P.Eng., KMK Consultants Limited
- Manager, Drinking Water, Wastewater and Watershed Standards Section, Standards Development Branch



Ontario

Ministry of the Environment  
Ministère de l'Environnement

AMENDED CERTIFICATE OF APPROVAL  
MUNICIPAL DRINKING WATER SYSTEMS  
NUMBER 9808-6CYN5V

The Corporation of the City of Kingston  
PO Box 790 Stn Main  
Kingston, Ontario  
K7L 4X7

Site Location: Kingston West Water Treatment Plant  
80 Sunny Acres Road  
Kingston City, Management Unit of Frontenac  
K7M 3N2

*Pursuant to the Safe Drinking Water Act, 2002, S.O. 2002, c. 32, and the regulations made thereunder and subject to the limitations thereof, this approval is issued under Part V of the Safe Drinking Water Act, 2002, S.O. 2002, c. 32 to:*

The Corporation of the City of Kingston  
PO Box 790 Stn Main  
Kingston, Ontario  
K7L 4X7

### **PART 1 - DRINKING-WATER SYSTEM DESCRIPTION**

- 1.1 for a drinking-water system serving the west portion of the City of Kingston, rated as set out in Part 4, consisting of the following:

#### **Proposed Water Works (as per Application for Approval dated December 8, 2004)**

Construction of:

#### **Re-Chlorination Facility at Elevated Tank**

- one (1) recirculation pump rated at 9.5 L/s @ 10.8m TDH
- one (1) 200 L chemical storage tank c/w level probe and secondary containment
- two (2) chemical feed pumps (duty/standby), each rated at 6.3 L/hr c/w alarming on pump failure
- two (2) residual chlorine analyzers
- together with all associated site work, piping, valves, mechanical and electrical equipment, instrumentation and control systems.

Proposed Water Works  
(as per Application for Approval dated May 3, 2004)

Water storage facilities and appurtenances to be constructed on part of lot 9, Concession 4, on the northwest corner of Creekford Road and Cloggs Road, in the City of Kingston, consisting of the following:

Elevated Tank

One (1) elevated water tank having a high water level of 155.0 m and an available storage capacity of 6,830 m<sup>3</sup> (1.5 MIG), protected by a 2.4 m fence and double swing gate, complete with the following:

- a valve room housing 450 mm diameter inlet and outlet piping, a 300 mm diameter overflow pipe, a 300 mm motorized butterfly valve, a 300 mm magnetic flow meter, 450 mm isolation butterfly and check valves, 100 mm circulation piping and associated backflow prevention and isolation valving, a 10 hp circulation pump, pressure gauges and transmitters, sampling lines, pressure relief valve, on-line chlorine residual analysers, control panels, air intake and exhaust louvers, floor drains, a sump pit and pump;
- a chemical room to house a future chemical feed system;
- a communications room for future use with air intake and exhaust louvers;
- a mezzanine level platform with safety rail and watertight access hatches;
- a 450 mm watermain connection from Creekford Road, and 300 mm swab launch / retrieval piping;
- interior and exterior lighting including an obstruction beacon;
- over flow detention area and landscaping;

Bulk Water Depot

A 3.0 m wide x 3.79 m deep bulk water depot building to be located on a 77 m deep by 109.3 m wide municipally owned lot adjacent to the tank site, protected by a 1.8 m wire fence, including associated 75 mm gate valves, piping, a flow meter, backflow preventer, heating, lighting, ventilation and 'Smartcard' control system, providing treated water to costumers on site who are registered to use the Smartcard control system with Utilities Kingston.

Proposed Water Works  
(as per Application for Approval dated January 7, 2003)

Chlorine Contact Tank

- installation of fabric type intra-basin serpentine baffles in water storage reservoir Cell 1 and 2, with four passes per Cell along the longer axis, valving and piping, including an outlet weir into a concrete drop box to maintain liquid depth > 3.4 m to increase the effective chlorine contact time downstream of the filters,
- chlorine residual analyzer, sampling from the discharge of the chlorine contact tank

### Chemical Systems

- installation of a chlorine gas feed and control system with flow proportional control capable of dosing 235 kg/day to provide chlorine solution feed for post-filter disinfection, including chlorine supply and feed piping, free chlorine residual analyzers and pH analyzer;
- replace existing coagulant feed system metering pumps with two (2) (one duty and one standby) chemical metering pumps, each with a capacity of 17.1 L/hr;

### Filters

- installation of filter-to-waste capability consisting of filter-to-waste valves, actuators, flow meter, piping and controls for each filter;
- filter control and metering upgrade including piping modifications, valves, actuators, flow meters turbidity analyzer and controls;
- installation of a standby filter backwash pump;
- residue management upgrade and controls to reinstate and enable existing and original waste settling tank supernatant and waste system capabilities;
- including appurtenances, electrical, instrumentation, SCADA

### **Existing Water Works**

(as per the Engineer's Report entitled First Engineers' Report Kingston West Water Treatment Plant, dated January 2001, prepared by KMK Consultants Limited)

A surface water treatment plant serving the west portion of the City of Kingston, located at 80 Sunny Acres Road, (NAD 83: UTM zone 18, 375243.00 m E, 4896413.00 m N), rated at a maximum daily flow of 45,455 m<sup>3</sup>/d, consisting of the following components:

### Intake Facilities

- A 1220 mm diameter wooden intake crib approximately 475 m off the shore of Lake Ontario, and approximately 17 m below the surface, having an intake capacity of more than 130,000 m<sup>3</sup>/d covered with a coarse bar rack and,
- A 521 m long, 1220 mm diameter concrete intake pipe extending from the intake crib to the Kingston West WTP.

### Low Lift Pumping Station

- a low lift pumping station having a firm capacity of 54,488 m<sup>3</sup>/d, consisting of an L shaped wet well with dimensions of 3.8 m wide by 11.2 m long by 5.4 s.w.d. and 5.7 m by 5.7 m x by 5.4 s.w.d (this section holds the stationary removable screen) with a heated superstructure, having an effective storage volume of 405 m<sup>3</sup>; equipped with:
  - one (1) removable, stationary screen;
  - one (1), motorized travelling water screens installed in series with the stationary screen;
  - Four (4) low lift pumps; two electrically powered pumps are rated at 13,308 m<sup>3</sup>/d at total dynamic head of 13.7 m, one (1) electrically powered pumps rated at 27,216 m<sup>3</sup>/d at a total dynamic head of 13.7 m and one (1) dual electric/diesel pump rated at 27,216 m<sup>3</sup>/d.

### Plant Enclosure Buildings

- Two (2) treatment buildings enclosing all below described facilities, as well as laboratory, workshop, office and washroom facilities. The buildings have the following approximate dimensions:
  - one (1) 25 m long, by 30 m wide, 2 floors high, enclosure building, and one 20 m long by 22 m wide, 1.5 floors high enclosure building

### Rapid Mix

- One rapid mixing chamber with a retention volume of 12.6 m<sup>3</sup> for a retention time of 36 seconds (at a flow of 30,642 m<sup>3</sup>/d), equipped with a 5.6 kW rapid mixer feeding Flocculation Tanks number 1 and 2; and,
- One rapid mixing chamber with a retention volume of 10.9 m<sup>3</sup> for a retention time of 30 seconds (at a flow of 30,642 m<sup>3</sup>/d), equipped with a 5.6 kW rapid mixer feeding flocculation tank 3.

### Flocculation

- Three dual chamber flocculation tanks, each having a retention volume of 172.4 m<sup>3</sup> and a retention time of approximately 15 minutes (at a flow of 15,320 m<sup>3</sup>/d) equipped with variable speed flocculator mixers in each chamber.

### Filters

- Three (3), dual media (95 % granular activated carbon and 5% silica sand) filters, each with a surface area of 53.2 m<sup>2</sup>, each having a filtration capacity of 15,320 m<sup>3</sup>/d and corresponding filtration rate of 12 m/h; a common integral automatic backwash storage, backwash troughs, surface wash and underdrain system, rate of flow controller, turbidity monitoring equipment, interconnecting piping and associated valves;
- One (1), 56 kW backwash pump, with a capacity of 37,410 m<sup>3</sup>/d at 9.1 m total dynamic head;
- One (1), 56 kW air blower for filter scouring, with a capacity of 59.5 m<sup>3</sup>/min.

### Clearwells

- One (1), 23 m wide by 16 m long, by 3 m s.w.d clearwell, with usable volume of 1,004 m<sup>3</sup>, located below the original flocculation and filter tanks, feeding the original reservoirs.
- One (1), 23 m wide by 8 m long by 3 m s.w.d clearwell, with usable volume of 552 m<sup>3</sup>, located below the new mixing tank flocculation tank and filter tank, HWL at 80.262 m ASL feeding the two(2) new reservoirs.

### Chlorine Contact Tanks

- Two (2), 14.0 m by 24.4 m by 4.3 m s.w.d older underground water storage reservoirs, and corresponding volume of 1,456 m<sup>3</sup> (built in 1971),

### Potable Water Storage Reservoirs

- Two (2), 21.9 m by 39.3 m by 4.1 m s.w.d underground water storage reservoirs, and corresponding volume of 3545 m<sup>3</sup>, built in 1988

### High Lift Pumping Station

- One (1) wet well 9 m wide by 18.6 m by 5.5 m s.w.d. wet well, equipped with;
  - Two (2) electrical pumps, rated at 13,622 m<sup>3</sup>/d at total dynamic head of 70.4 m;
  - One (1) electrical/diesel pump rated at 13,622 m<sup>3</sup>/d at a total dynamic head of 70.4 m;
  - One (1) electric pump rated at 27,244 m<sup>3</sup>/d at a total dynamic head of 70.4 m;
  - One (1) diesel pump (fire pump) rated at 27,244 m<sup>3</sup>/d at a total dynamic head of 70.4m.

### Chemical Systems

- A chlorine feed system consisting of: three (3), v-notch chlorinators and two (2), chlorine weigh scales with the capability of automatic switch-overs, each scale capable of holding a 1 tonne chlorine gas containers. Two (2) of the chlorinators are capable of delivering chlorine at a rate of 181 kg/d, and one chlorinator has the capability of delivering chlorine at a rate of 45 kg/d. Application points include the intake crib, the clearwell inlets and the high lift pump discharge header;
- A dual point pre-chlorination system for the control of zebra mussels, using chlorine gas, consisting of: two (2) 50 mm diameter chlorine solution lines, within the existing 1220 mm diameter intake pipe from the existing pre-chlorination facility at the treatment plant to the intake structure, one (1) capped for future chlorine/chemical solution dosing; and,
- Chlorine diffusers at the intake structure;
- A coagulant feed system consisting of one (1), 9,085 L capacity FRP coagulant storage tank with a remote filling system, two (2), (one duty, one standby) chemical metering pumps with capacities of 2 L/h each, and chemical feed lines to the raw water discharge header, prior to the rapid mixing chamber.

### Process Waste Management

- Two (2), 12.5 m wide x 6.25 m long backwash wastewater holding tanks with walls that slope inwards, with a total surface area of 156 m<sup>2</sup> and a total volume of 520 m<sup>3</sup>; sludge generated, as well as the supernatant is directed to the sanitary sewer.

### On-Line Instrumentation and Other Analytical Equipment

- two (2) on-line chlorine analyzers (one analyzes raw water from the low-lift header and one analyzes treated water from the high-lift discharge header), capable of measuring concentration ranges from 0 to 2 mg/L and 0 to 19.99 mg/L, with alarm capability for high and low level readings.
- Five, (5) turbidimeters as follows:
  - One (1), turbidimeter located on the raw water discharge header, capable of measuring turbidity in the range of 0 to 2 NTU, equipped with high level and low level alarm capabilities,
  - Three (3), turbidimeters (one on each filter effluent pipe) capable of measuring turbidity in the range of 0 to 1 NTU, equipped with high level and low level alarm capabilities,
  - One (1), turbidimeter, located on the high lift discharge header, capable of measuring turbidity in the range of 0 to 1 NTU, equipped with high level and low level alarm capabilities.

### Flow Meters

- One (1), 750 mm venturi flow meter located on the low-lift pump discharge header with the capability of measuring flows up to 50,000 m<sup>3</sup>/d.
- One (1), 915 mm venturi flow meter located on the High Lift discharge header, with the capability of measuring flows up to 70,000 m<sup>3</sup>/d.

### Stand-By Power

- A 20 kW diesel engine standby power generator set and associated equipment to operate lights, chemical feed
- One (1) 93 kW portable generator for emergency backwashing and low lift backup.
- Two (2) double walled above ground fuel tanks for standby fuel storage and supply.

1.2 all in accordance with the applications and plans and other supporting documents listed in Schedule "A", and all other Schedules, which are attached to, and form part of this approval, except as specified in the conditions contained herein.

## **PART 2 - DEFINITIONS AND INFORMATION**

2.1 Words and phrases not defined in this approval shall be given the same meaning as those set out in the *Safe Drinking Water Act, 2002*, S.O. 2002, c. 32 and any regulations made in accordance with that act, unless the context requires otherwise.

2.2 In this approval

"adverse effect", "contaminant", "impairment" and "natural environment" shall have the same meanings as in the *Environmental Protection Act*, R.S.O.1990, c. E.19 and the *Ontario Water Resources Act*, R.S.O.1990, c. O.40;

"approval" means this entire approval document, issued in accordance with section 36 of the *SDWA*, and includes any schedules to it;

"Director" means a Director appointed pursuant to s. 6 of the *SDWA* for the purposes of Part V of the *SDWA*;

"drinking-water system" includes the works set out in Part 1;

"operating authority" and "owner" mean, in addition to the respective meanings given in the Act, The Corporation of the City of Kingston;

"provincial officer" means a provincial officer appointed pursuant to s. 8 of the *SDWA*;

"rated capacity" means the maximum flow rate of water which can be treated when operating the drinking-water system under design conditions;

"*SDWA*" means the *Safe Drinking Water Act, 2002, S.O. 2002, c. 32*, as amended.

### PART 3 - GENERAL

#### **Compliance**

- 3.1 The owner and operating authority shall operate the drinking-water system in accordance with the *SDWA*, any applicable regulations made thereunder, and this approval.
- 3.2 Despite any condition of this approval to the contrary, the owner and operating authority set out in Part 2 are jointly and severally liable to comply with all conditions of this approval.
- 3.3 The owner and operating authority shall ensure that any person authorized to carry out work on or operate any aspect of the drinking-water system has been informed of the *SDWA*, all applicable regulations made in accordance with that act, and this approval and shall take all reasonable measures to ensure any such person complies with the same.
- 3.4 A copy of this approval shall be kept in a conspicuous place so that it is available for reference by all persons responsible for all or part of the operation of the drinking-water system.

#### **Build, etc. in Accordance**

- 3.5 Except as otherwise provided by this approval, the drinking-water system shall be designed, developed, built, operated and maintained in accordance with Part 1 above and the documentation listed in Schedule "A".

#### **Interpretation**

- 3.6 Where there is a conflict between the provisions of this approval and any other document, the following hierarchy shall be used to determine the provision that takes precedence:
  - i. The *SDWA*;
  - ii. a condition imposed in this approval in accordance with s. 38 of the *SDWA*;
  - iii. any regulation made under the *SDWA*;
  - iv. this approval;
  - v. any application documents listed in Schedule "A" from most recent to earliest; and

vi. all other documents listed in Schedule "A" from most recent to earliest.

3.7 The requirements of this approval are severable. If any requirement of this approval, or the application of any requirement of this approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this approval shall not be affected thereby.

3.8 Nothing in this approval shall be read to provide relief from the need for strict compliance with the *Environmental Assessment Act*, R.S.O. 1990, c E.18.

#### **Other Legal Obligations**

3.9 The issuance of, and compliance with the conditions of, this approval does not:

- i. relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
- ii. limit in any way the authority of the Ministry to require certain steps be taken or to require the owner to furnish any further information related to compliance with this approval.

3.10 For greater clarity, nothing in this approval shall be read to provide relief from regulatory requirements in accordance with section 38 of the *SDWA*, except as provided in Part 9.

#### **Adverse Effects**

3.11 Nothing in this approval shall be read as to permit: i) the discharge of a contaminant into the natural environment that causes or is likely to cause an adverse effect; or ii) the discharge of any material of any kind into or in any waters or on any shore or bank thereof or into or in any place that may impair the quality of the water of any waters.

3.12 All reasonable steps shall be taken to minimize and ameliorate any adverse effect on the natural environment or impairment of the quality of water of any waters resulting from the operation of the drinking-water system including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

3.13 Fulfillment of one or more conditions imposed by this approval does not eliminate the requirement to fulfill any other condition of this approval or the requirements of any applicable statute, regulation, or other legal requirement resulting from any act or omission that causes or is likely to cause an adverse effect on the natural environment or the impairment of water quality.

#### **Change of Owner**

3.14 The owner or the operating authority, as the case may be, shall notify the Director, in writing, of any of the following changes within 30 days of the change occurring:

- i. change of owner or operating authority;
- ii. change of address;
- iii. change of partners where the owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B17; or
- iv. change of name of the corporation where the owner or operating authority is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C.39.

3.15 In the event of any change in ownership of the drinking-water system, other than change to a successor municipality, the owner shall notify the successor of and provide the successor with a copy of this approval, and the owner shall provide a copy of the notification to the district manager of the local office of the Ministry and the Director.

#### **Inspections**

3.16 No person shall hinder or obstruct a provincial officer in the performance of his or her duties, including any and all inspections authorized by the *SDWA*.

#### **Information**

3.17 Any information requested, by the Ministry, concerning the drinking-water system and its operation under this approval, including but not limited to any records required to be kept by this approval shall be provided to the Ministry, upon request.

3.18 Records required by or created in accordance with this approval, unless specifically referenced in s. 12 of O. Reg. 170/03, shall be retained for at least 5 years in a location where a provincial officer who is inspecting the treatment system can conveniently view them.

### **PART 4 - PERFORMANCE**

#### **Rated Capacity**

4.1 The drinking-water system shall not be operated to exceed the rated capacity for the maximum flow rate into the treatment system of 32 m<sup>3</sup>/min.

#### **Increase to Rated Capacity**

4.2 Despite condition 4.1, the drinking water system may be operated at a rate above the rated capacity set out in condition 4.1 where necessary for:

- i. fighting a large fire; or
  - ii. the maintenance of the drinking-water system.
- 4.3 Condition 4.2 shall not be construed to allow drinking-water to be supplied that does not meet all other applicable standards and legal requirements.

## PART 5 - MONITORING AND RECORDING

### Flow measuring devices

- 5.1 Install a sufficient number of flow-measuring devices within the drinking-water system to permit continuous measurement and recording of:
- i. the flow rate and daily volume of water conveyed into the treatment system; and
  - ii. the flow rate and daily volume of water conveyed from the treatment system to the distribution system.
- 5.2 Records shall be maintained that set out the parameters recorded in accordance with condition 5.1, and where a measured flow rate into a treatment system, train, or stage exceeds the maximum flow rate set out for that treatment system, train, or stage in Part 4, the amount, date, time and duration of the exceedence shall also be recorded.

### Calibration of flow measuring devices

- 5.3 All flow measuring devices must be checked and calibrated in accordance with the manufacturer's instructions.
- 5.4 If the manufacturer's instructions do not indicate how often to check and calibrate the flow measuring devices, the equipment must be checked and calibrated at least once every year during which the drinking-water system is in operation.

## PART 6 - OPERATIONS AND MAINTENANCE

### Chemical standards

- 6.1 All chemicals and materials used in the operation of the drinking-water system that come into contact with water within the system shall meet all applicable standards set by both the American Water Works Association ("AWWA") and the American National Standards Institute ("ANSI") safety criteria standards NSF/60 and NSF/61.
- 6.2 The most current chemical and material product registration documentation from a testing institution accredited by either the Standards Council of Canada or by the American National

Standards Institution shall be available at all times for each chemical and material used in the operation of the drinking-water system that comes into contact with water within the system.

- 6.3 Condition 6.2 does not apply in the context of any particular chemical or material where the Owner has written documentation signed by the Director that indicates that the Ministry is satisfied that the chemical or material is acceptable for use within the drinking-water system and that chemical or material is only used as permitted by the documentation.

### **Operations manual**

- 6.4 An up-to-date operations manual shall be maintained and available for reference by all persons responsible for all or part of the operation of the drinking-water system.

- 6.5 The operations manual shall include at a minimum:

- i. the requirements of this approval and associated procedures;
- ii. the operation and maintenance recommendations from the most recent engineers' report;
- iii. procedures for the monitoring and recording of in-process parameters necessary for the control of the treatment system and assessing the performance of the drinking-water system;
- iv. procedures for the operation and maintenance of monitoring equipment;
- v. contingency plans and procedures for the provision of adequate equipment and material to deal with emergencies, upset and equipment breakdown;
- vi. procedures for the dealing with complaints related to the drinking-water system, including the recording of the nature of the complaint and any investigation and corrective action taken in respect of the complaint;

- 6.6 Procedures necessary to the operation of any physical alterations of the drinking-water system shall be incorporated into the operations manual prior to the alterations coming into operation.

### **Drawings**

- 6.7 Up-to-date Process Flow Diagrams (PFD) and Process and Instrumentation Diagrams (P&ID) for the treatment system shall be kept on site at the drinking water system.

- 6.8 All drawings and diagrams in the possession of the owner or operating authority that show the treatment system as constructed shall be retained.

- 6.9 An alteration to the treatment system shall be incorporated into Process Flow Diagrams (PFD), Process and Instrumentation Diagrams (P&ID), and record drawings and diagrams within one year of the substantial completion of the alteration and shall be retained and shall be made

readily available for inspection by Ministry staff.

## PART 7 - FUTURE ALTERATIONS

### Approved future alterations

7.1 *Not Applicable*

### Certificate of compliance

7.2 *Not Applicable*

## PART 8 - STUDIES AND UPGRADES REQUIRED

8.1 Subject to Condition 8.2 below, by **January 31, 2004**, the Owner shall implement the following physical improvements to the works, in keeping with recommendations of the Engineers' Report and related correspondence:

- (a) All works and measures necessary to ensure that appropriate free chlorine residual and associated contact time calculated at the plant rated capacity with the unit processes providing contact time at a minimum operating level and under limiting temperature and pH conditions meet requirements of the "O.Reg. 170/03 and Procedure For Disinfection of Drinking Water in Ontario", including but not limited to:
  - (i) All works necessary to ensure that the effective chlorine contact time downstream of the filters is sufficient to provide 1.0 log inactivation of giardia cysts and 3 log inactivation of viruses, or demonstrate that the addition of disinfection processes upstream of the filters would provide an equivalent disinfection efficiency and adequate protection against generation of disinfection byproducts, and provide all works necessary to achieve such an equivalent chlorine contact time.
- (b) All works and measures necessary to ensure the effective treatment and integrity of the works, including but not limited to:
  - (i) Flow metering and flow control on each filter effluent line;
  - (ii) Filter to waste piping and controls for each filter;
  - (iii) Backflow preventors on wash water effluent line;
  - (iv) Provide standby pumping capacity for backwashing

Requirement not an approval

- 8.2 The owner shall not construct any works required by this part until all associated approvals, licenses and permits have been obtained from the Ministry.

### PART 9 - RELIEF FROM REGULATORY REQUIREMENTS

#### Relief from regulatory requirements

- 9.1 *Not Applicable*

#### Conditions in exchange for relief from regulatory requirements

- 9.2 *Not Applicable*

### SCHEDULE - A

The following supporting documents form part of this approval.

1. Application dated December 17, 2004
  - Final Plans included with application
  - Design Report included with application
  - Process Narrative included with application
2. Application dated May 3, 2004
  - Final Plans and Specifications
  - Design Brief
  - Design calculations
3. The original applications for approval, including design calculations, engineering drawings and reports, and other supporting documents prepared in support of any previous certificate(s) of approval issued for any works now approved and replaced by this approval, unless this approval states otherwise.

**This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 8537-622QH7, 8219-5LAJB8 issued on September 17, 2004, April 22, 2003**

*All or part of this decision may be reviewable in accordance with the provisions of Part X of the SDWA. In accordance with Section 129(1) of the Safe Drinking Water Act, Chapter 32 Statutes of Ontario, 2002, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this notice, require a hearing by the Tribunal. Section 129(2) sets out a procedure upon which the 15 days may be extended by the Tribunal. Section 129(3) of the Safe Drinking Water Act, Chapter 32 Statutes of Ontario, 2002, provides that the Notice requiring the hearing shall state:*

1. The aspect of the decision, including the portion of the permit, licence, approval, order or notice of administrative penalty in

- respect of which the hearing is required; and
2. The grounds for review to be relied on by the person at the hearing

Except with leave of the Tribunal, a person requiring a hearing in relation to a reviewable decision is not entitled to,

- (a) a review of an aspect of the decision other than that stated in the notice requiring the hearing; or
- (b) a review of the decision other than on the grounds stated in the notice

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary\*  
Environmental Review Tribunal  
2300 Yonge St., 12th Floor  
P. O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

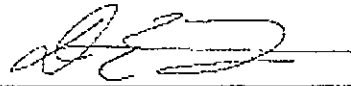
The Director  
Part V, *Safe Drinking Water Act, 2002*  
Ministry of Environment  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the

Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)

*The above noted water works are approved under Part V of the Safe Drinking Water Act.*

DATED AT TORONTO this 23rd day of June, 2005



\_\_\_\_\_  
David E. Filman, P.Eng.  
Director  
Part V of the *Safe Drinking Water Act,*  
2002

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c: District Manager, MOE Ingham - District  
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