



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 7646-5PJKVE

Inglewood Village Estates Limited
104 Maple Avenue, Box 2000
Inglewood, Ontario
L0N 1K0

Site Location: Inglewood Wastewater Treatment Project,
on Part of West Half of Lot 2, Concession 1, in the Village of Inglewood,
Town of Caledon, Regional Municipality of Peel.

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

a wastewater SBR packaged biological, physical/chemical, tertiary filters and UV disinfection treatment plant capable of handling an average daily flow of 243 m³/day and a 4-hour design peak flow of 608 m³/day to service the Ivel Site, future Inglewood Core Village and future MacKenzie Land Development Site located north of the intersection of McLaughlin Road and Caledon Trailway, consisting of:

Wastewater SBR Packaged Treatment Plant

a 8,10 x 15.30 x 3.75m buried structure including trash trap/sludge disposal tanks, SBR tanks, effluent chamber, waste sludge piping, valves, vents, overflow weir, decanter, two (2)-jet aspirators (one duty, one standby), access manway, float switches and two (2)-filter feed pumps;

Equipment and Control Building

equipment and control building having 84.2 m² lot coverage area and comprising Diesel generator room, auger room, operations room and electrical room:

Diesel Generator Room

housing a 135 kW Diesel generator set complete with fuel supply and storage system, exhaust system, air intake and exhaust louvers, transfer switch and air compressor;

Auger Room

housing an auger type fine screen system complete with two-shafted grinder, inclined auger, float switch cycle control, speed reducer, electric motor and controls, exhaust fan, electric heater, gas sensor, odour control system and air intake louver;

Operation Room

housing a sand filter system, UV disinfection system, chemical feed system including two (2)-chemical feed metering pumps (one duty, one standby) and day tank, electric heater, domestic hot water booster heater, air intake and air exhaust louvers, SCADA work station and washroom;

Electrical Room

housing electric transformer, motor control centre, air intake and air exhaust louvers,

Inlet Sanitary Sewer

inlet sanitary sewer from the connection point with subdivision sewer approximately 50.5m west of South Riverdale Drive along the 6m wide sanitary easement to the inlet of the wastewater treatment plant;

Plant Effluent Sewer

plant effluent sewer line from the wastewater treatment plant along the 6m wide sanitary easement to the discharge point into the Credit River complete with manholes, end wall structure and rip rap;

Site Works

lot grading and drainage complete with access drive from the existing gravel road to the plant equipment and control building, rip rap lining entrance ditch, 12m of 200mm diameter culvert with downstream drain to match existing grade leading to the Credit River;

all in accordance with Application for Approval of Municipal and Private Sewage Works, Drawings as prepared by G. D. Jewell Engineering Inc. and Selected Equipment documentation, as compiled and submitted for approval by Topsite Contracting Limited

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

1. "Act" means the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended;
2. "Average Daily Flow" means the cumulative total sewage flow to the sewage works during a calendar year divided by the number of days during which sewage was flowing to the sewage works that year;
3. "By-pass" means any discharge from the *Works* that does not undergo any treatment before it is discharged to the environment;
4. "CBOD₅" means five day carbonaceous (nitrification inhibited) biochemical oxygen demand measured in an unfiltered sample;
5. "Certificate" means this entire certificate of approval document, issued in accordance with Section 53 of the *Act*, and includes any schedules;
6. "Daily Concentration" means the concentration of a contaminant in the effluent discharged over any single day, as measured by a composite or grab sample, whichever is required;
7. "Director" means any *Ministry* employee appointed by the Minister pursuant to section 5 of the *Act*;
8. "District Manager" means the District Manager of the Halton-Peel District Office of the Ministry;
9. "E. Coli" refers to the thermally tolerant forms of *Escherichia* that can survive at 44.5 degrees Celsius;
10. "Geometric Mean Density" is the nth root of the product of multiplication of the results of n number of samples over the period specified;
11. "Individual Waste Loading" means the loading expressed in kilograms per day and calculated by multiplying the concentration of a parameter in a sample by the total volume of effluent discharged from the works during the day in which the sample is taken;
12. "Ministry" means the Ontario Ministry of the Environment;
13. "Monthly Average Concentration" means the arithmetic mean of all *Daily Concentrations* of a contaminant in the effluent sampled or measured, or both, during a calendar month;
14. "Monthly Average Daily Flow" means the cumulative total sewage flow to the sewage works during a calendar month divided by the number of days during which sewage was flowing to the sewage works that month;
15. "Monthly Average Loading" means the value obtained by multiplying the *Monthly Average Concentration* of a contaminant by the *Monthly Average Daily Flow* over the same calendar month;
16. "Owner" means **Inglewood Village Estates Limited** and includes its successors and assignees;
17. "4-Hour Peak Design Flow Rate" means the maximum rate of sewage flow for which the plant or process unit was designed;
18. "Proposed Works" means the sewage works described in the *Owner's* application, this *Certificate* and in the supporting documentation referred to herein, to the extent approved by this *Certificate*;
19. "Rated Capacity" means the *Average Daily Flow* for which the *Works* are approved to handle;
20. "Regional Director" means the Regional Director of the Central Region of the Ministry;
21. "Substantial Completion" has the same meaning as "substantial performance" in the Construction Lien Act;
22. "Works" means the sewage works described in the *Owner's* application, this *Certificate* and in the supporting documentation referred to herein, to the extent approved by this *Certificate*;
23. "SBR" means subsequent batch reactor;
24. "UV" means UltraViolet;
25. "kW" means kiloWatts;
26. "m³/day" means cubic meters per day; "m" means meters; "mm" means millimeters.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1. The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Certificate* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Certificate*, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this *Certificate*.
3. Where there is a conflict between a provision of any submitted document referred to in this *Certificate* and the Conditions of this *Certificate*, the Conditions in this *Certificate* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.
4. Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The requirements of this *Certificate* are severable. If any requirement of this *Certificate*, or the application of any requirement of this *Certificate* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this certificate shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this *Certificate* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Certificate*.

3. CHANGE OF OWNER

1. The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within 30 days of the change occurring:

(a) change of *Owner*;

(b) change of address of the *Owner*;

(c) 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 shall be included in the notification to the *District Manager*;

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Informations Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager*;

2. In the event of any change in ownership of the *Works*, other than a change to a successor municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Certificate*, and a copy of such notice shall be forwarded to the *District Manager* and the *Director*.

4. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS

1. Upon the *Substantial Completion* of the *Works*, the *Owner* shall prepare a statement, certified by a Professional Engineer, that the works are constructed in accordance with this *Certificate*, and upon request, shall make the written statement available for inspection by Ministry personnel.
2. Within one(1)-year of the *Substantial Completion* of the construction of the wastewater treatment plant, a set of as-built drawings showing the works “as constructed” shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained at the *Works* for the operational life of the *Works*.

5. BY-PASSES

(1) Any *By-pass* of sewage from any portion of the *Works* is prohibited, except where:

- (a) the *Peak Flow Rate* would exceed 608 cubic metres per day;
- (b) it is necessary to avoid loss of life, personal injury, danger to public health or severe property damage;
- (c) the *District Manager* agrees that it is necessary for the purpose of carrying out essential maintenance and the *District Manager* has given prior written acknowledgment of the *by-pass*; or
- (d) the *Regional Director* has given prior written acknowledgment of the *By-pass*.

(2) The *Owner* shall collect at least one (1) grab sample of the *By-pass* and have it analyzed for the parameters outlined in Condition No.7 using the protocols in Condition No.9. The results of the grab samples taken during bypasses shall be included in the annual report.

(3) The *Owner* shall maintain a logbook of all *By-pass* events which shall include, at a minimum, the time, location, duration, quantity of *By-pass*, the authority for *By-pass* pursuant to subsection (1), and the reasons for the occurrence.

(4) The *Owner* shall, in the event of a *By-pass* event pursuant to subsection (1), disinfect the by-passed effluent prior to it reaching the receiver such that the receiver is not negatively impacted.

6. EFFLUENT OBJECTIVES

(1) The *Owner* shall use best efforts to design, construct and operate the *Works* with the objective that the concentrations of the materials named below as effluent parameters are not exceeded in the effluent from the *Works*.

Table 1 - Effluent Objectives	
Effluent Parameter	Concentration Objective (milligrams per litre unless otherwise indicated)
CBOD ₅	5
TSS	5
Total Phosphorus	0.15
Total Ammonia*	0.3 (a.) 2.0 (b.)
Dissolved Oxygen**	1
E.Coli	100 organisms/100mL

Note: a. Means for the period of the year when the receiving water temperature exceeds 5 degrees Celsius;

b. Means for the period of the year when the receiving water temperature is equal to or less than 5 degrees Celsius.

* These values are based on assumed temperature and pH such that the unionized ammonia concentration does not exceed 0.1 mg/L.

** Dissolved oxygen in the discharge shall be managed such that levels remain above 1 mg/L This can be accomplished by such techniques as natural cascading between the treatment works and the point of discharge in the receiver;

- the natural pH of the discharge shall not be artificially lowered to just reduce its ammonia toxicity. The ammonia shall be nitrified through the treatment process;

- all values shown other than dissolved oxygen are maximum values. the stated dissolved oxygen concentration is a minimum value.

(2) The *Owner* shall use best efforts to:

- (a) maintain the pH of the effluent from the *Works* within the range of 6 to 9.5, inclusive, at all times;
- (b) operate the works within the *Rated Capacity* of the *Works*;
- (c) ensure that the effluent from the *Works* is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discolouration on the receiving waters.

(3) The *Owner* shall include in all reports submitted in accordance with Conditions No.7 and No.10 a summary of the efforts made and results achieved under this Condition.

7. EFFLUENT LIMITS

(1) The *Owner* shall design, construct, operate and maintain the *Works* such that the average concentrations and waste loadings of the materials named below as effluent parameters are not exceeded in the effluent from the *Works*.

Table 2 - Effluent Limits				
Effluent Parameter		Average Concentration (milligrams per litre unless otherwise indicated)		Average Waste Loading (kilograms per day unless otherwise indicated)
Column 1		Column 3		Column 5
<i>CBOD₅</i>		10		0.243
Total Suspended Solids		10		0.243
Total Phosphorus		0.3		0,0071
Total Ammonia*		0.5(a.)		0.0121
		2.0(b.)		0.0485
Dissolved Oxygen**		1		0.0243
E.Coli 200 organisms/100mL				
pH of the effluent maintained between 6.0 to 9.5, inclusive, at all times				

Note: a. Means for the period of the year when the receiving water temperature exceeds 5 degrees Celsius;

b. Means for the period of the year when the receiving water temperature is equal to or less than 5 degrees Celsius.

* These values are based on assumed temperature and pH such that the unionized ammonia concentration does not exceed 0.1 mg/L.

** Dissolved oxygen in the discharge shall be managed such that levels remain above 1 mg/L This can be accomplished by such techniques as natural cascading between the treatment works and the point of discharge in the receiver;

- the natural pH of the discharge shall not be artificially lowered to just reduce its ammonia toxicity. The ammonia shall be nitrified through the treatment process;
- all values shown other than dissolved oxygen are maximum values. the stated dissolved oxygen concentration is a minimum value.

(2) For the purposes of determining compliance with and enforcing subsection (1):

- (a) The monthly average concentration of a parameter named in Column 1 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 3 of subsection (1).
- (b) The *Annual Average Loading* of a parameter named in Column 1 of subsection (1) shall not exceed the corresponding maximum waste loading set out in Column 5 of subsection (1).
- (e) The pH of the effluent shall be maintained within the limits outlined in subsection (1), at all times.

(3) Notwithstanding subsection (1), the *Owner* shall operate and maintain the *Works* such that the effluent is continuously

disinfected so that the monthly *Geometric Mean Density* of *E. Coli* does not exceed 200 organisms per 100 millilitres of effluent discharged from the *works*.

(4) Paragraph (a) and (b) of subsection (2) shall apply upon the start up of the operation of the treatment plant which may occur when the inlet reaches 10 to 20% of the average daily flow.

(5) The effluent limit set out in subsection (3) shall apply upon the start up of the operation of the treatment plant which may occur when the inlet reaches 10 to 20% of the average daily flow.

(6) Only those monitoring results collected during the corresponding time period shall be used in calculating the monthly average concentration and annual average loading for this *Certificate*.

8. OPERATION AND MAINTENANCE

(1) The *Owner* shall exercise due diligence in ensuring that, at all times, the *Works* and the related equipment and appurtenances used to achieve compliance with this *Certificate* are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this *Certificate* and the *Act* and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the *Works*.

(2) The *Owner* shall prepare an operations manual within one (1)-year from the substantial completion of the proposed works, that includes, but not necessarily limited to, the following information:

(a) operating procedures of the constructed facility which is intended to be used as a sewage holding tank during initial low flow conditions until such a time the inlet sewage flow of the treatment plant reaches 10 to 20% of the designed average daily flow of 243 m³/day:

(a) operating procedures for routine operation of the *Works*;

(b) inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;

(c) repair and maintenance programs, including the frequency of repair and maintenance for the *Works*;

(d) procedures for the inspection and calibration of monitoring equipment;

(e) a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the *District Manager*; and

(f) procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

(3) The *Owner* shall maintain the operations manual current and retain a copy at the location of the *Works* for the operational life of the *Works*. Upon request, the *Owner* shall make the manual available to *Ministry* staff.

(4) The *Owner* shall provide for the overall operation of the *Works* with an operator who holds a licence that is applicable to that type of facility and that is of the same class as or higher than the class of the facility in accordance with Ontario Regulation 435/93.

9. EFFLUENT MONITORING AND RECORDING

The *Owner* shall, upon commencement of operation of the *Works*, carry out the following monitoring program:

(1) All samples and measurements taken for the purposes of this *Certificate* are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.

(2) For the purposes of this condition, the following definitions apply:

- (a) Daily means once each day;
- (b) Weekly means once each week;
- (c) Monthly means once every month;

(3) Samples shall be collected at the following sampling points, at the frequency specified, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 3 - Effluent Monitoring - (Sample Point)		
Parameters	Sample Type	Frequency
<i>CBOD₅</i>	Composite	Monthly
Total Suspended Solids	Composite	Monthly
Total Phosphorus	Composite	Weekly
Total Ammonia Nitrogen	Composite	Weekly
<i>E. Coli</i>	Grab	Weekly
pH	Grab	on-site testing at least three (3) a week
Temperature	Grab taken upstream from the plant effluent	on-sit testing at least three (3) times a week

(4) The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:

- (a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended from time to time by more recently published editions;
- (b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;
- (c) the publication "Standard Methods for the Examination of Water and Wastewater" (20th edition), as amended from time to time by more recently published editions;
- (d) the Environment Canada publications "Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout" (July 1990) and "Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Daphnia magna" (July 1990), as amended from time to time by more recently published editions;
- (e) for any parameters not mentioned in the documents referenced in (a) and (b), the written approval of the *District Manager* shall be obtained prior to sampling; and,
- (f) the grab samples for on-site temperatre testing shall be taken upstream of the plant effluent location.

(5) The temperature and pH of the effluent from the *Works* shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of unionized ammonia shall be calculated using the total ammonia concentration, pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (unionized).

(6) The measurement frequencies specified in subsection (2) in respect to any parameter are minimum requirements which may, after (6/12/24) months of monitoring in accordance with this Condition, be modified by the *District Manager* in

writing from time to time.

(7) The *Owner* shall install and maintain (a) continuous flow measuring device(s), to measure the flowrate of the effluent from the *Works* with an accuracy to within plus or minus 15 per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring device, and record the daily flowrate.

(8) All contaminant concentrations, measured in accordance with this monitoring program, are considered to be the minimum concentrations of the contaminants in the effluent from the *Works*.

10. REPORTING

(1) One week prior to the start up of the operation of the works as a holding tank or as a treatment plant, the *Owner* shall notify the *District Manager* (in writing) of the pending start up date.

(2) Ten (10) days prior to the date of a planned *By-pass* being conducted pursuant to Condition 5 and as soon as possible for an unplanned *By-pass*, the *Owner* shall notify the *District Manager* (in writing) of the pending start date, in addition to an assessment of the potential adverse effects on the environment and the duration of the *By-pass*.

(3) The *Owner* shall report to the *District Manager* or designate, any exceedence of any parameter specified in Condition 7 orally, as soon as reasonably possible, and in writing within seven (7) days of the exceedence.

(4) In addition to the obligations under Part X of the Environmental Protection Act, the *Owner* shall, within 10 working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the *District Manager* describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.

(5) The *Owner* shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to *Ministry* staff.

(6) The *Owner* shall prepare, and submit to the District Manager a performance report, on an annual basis, within (30) days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the *Works* and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

(a) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the *Works*;

(b) a description of any operating problems encountered and corrective actions taken;

(c) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the *Works*;

(d) a summary of any effluent quality assurance or control measures undertaken in the reporting period;

(e) a summary of the calibration and maintenance carried out on all effluent monitoring equipment; and

(f) a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6.

(g) a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;

(h) a summary of any complaints received during the reporting period and any steps taken to address the complaints;

(i) a summary of all *By-pass*, spill or abnormal discharge events; and

(j) any other information the *District Manager* requires from time to time.

11. RESPONSIBILITY AGREEMENT

(1) In accordance with the Ministry Procedure D-5-2 entitled "Application of Municipal Responsibility for Communal Water and Sewage Services", the *Owner* shall enter into a duly signed Responsibility Agreement with the Regional Municipality of Peel prior to the operation of the *Works* or part of the *Works* approved herein.

(2) Any dealings with the property are prohibited in any way without first giving a copy of this *Certificate* and the Responsibility Agreement to each person acquiring an interest in the property.

(3) The ownership of the sewage treatment plant shall be transferred to the Regional Municipality of Peel within three (3) years from the date of substantial completion of the construction of the sewage treatment plant.

12. APPROVAL SUBJECT TO THE FOLLOWING:

The *Owner* shall not allow the commencement of the operation of the works, until detailed design drawings and/or as constructed drawings, specifications, engineer's design brief containing detailed design calculations for the *Works*, equipment shop drawings, commissioning and manufacturer's/supplier's acceptance letters, Operation and Maintenance Manual (as accepted by the Operating Authority) and construction Final Completion Certificate (as accepted by the Owner) have been submitted to and reviewed/approved by the *Director*.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the *Certificate* and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this *Certificate* the existence of this *Certificate*.

2. Condition 2 is included to ensure that, when the *Works* are constructed, the *Works* will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to the approved works and to ensure that subsequent owners of the *Works* are made aware of the *Certificate* and continue to operate the *Works* in compliance with it.

4. Condition 4 is included to ensure that the *Works* are constructed in accordance with the approval and that record drawings of the *Works* "as constructed" are maintained for future references.

5. Condition 5 is included to indicate that by-passes of untreated sewage to the receiving watercourse is prohibited, save in certain limited circumstances where the failure to *By-pass* could result in greater injury to the public interest than the *By-pass* itself where a *By-pass* will not violate the approved effluent requirements, or where the *By-pass* can be limited or otherwise mitigated by handling it in accordance with an approved contingency plan. The notification and documentation requirements allow the *Ministry* to take action in an informed manner and will ensure the *Owner* is aware of the extent and frequency of *By-pass* events.

6. Condition 6 is imposed to establish non-enforceable effluent quality objectives which the *Owner* is obligated to use best efforts to strive towards on an ongoing basis. These objectives are to be used as a mechanism to trigger corrective action proactively and voluntarily before environmental impairment occurs and before the compliance limits of Condition 6 are exceeded..

7. Condition 7 is imposed to ensure that the effluent discharged from the *Works* to the Credit River meets the *Ministry's* effluent quality requirements thus minimizing environmental impact on the receiver and to protect water quality, fish and other aquatic life in the receiving water body.

8. Condition 8 is included to require that the *Works* be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, the inclusion of a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the owner and made available to the *Ministry*. Such a manual is an integral part of the operation of the *Works*. Its compilation and use should assist the *Owner* in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for *Ministry* staff when reviewing the *Owner's* operation of the work.

9. Condition 9 is included to enable the *Owner* to evaluate and demonstrate the performance of the *Works*, on a continual basis, so that the *Works* are properly operated and maintained at a level which is consistent with the design effluent objectives and effluent limits specified in the *Certificate* and that the *Works* does not cause any impairment to the receiving watercourse.

10. Condition 10 is included to provide a performance record for future references, to ensure that the *Ministry* is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this *Certificate*, so that the *Ministry* can work with the *Owner* in resolving any problems in a timely manner.

11. Condition 11 is included to ensure that there is a Responsibility Agreement in place between the *Owner* and the Municipality prior to the operation of the *Works* so that, in the event that the *Owner* is unable to continue to provide sewage service, the Municipality may be able to assume ownership and operation of the *Works*.

12. Condition 12 is included due to the provisional nature of the supporting documentation submitted by the *Owner* with the application for approval. The *Director* has only approved the *Works* in principle, and this condition will ensure that, in accordance with the provisions of the Ontario Water Resources Act, prior to the commencement of construction of any part of the *Works*, the *Director* will have the opportunity to review detailed design drawings, specifications, installed equipment commissioning, operation and maintenance and an engineer's report containing detailed design calculations for the *Works*, in order to determine the proposed works' capability to comply with the *Ministry's* requirements stipulated in the terms and conditions of the *Certificate*.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

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:

CONTENT COPY OF ORIGINAL

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

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the 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**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 17th day of October, 2003

Mohamed Dhalla, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

PF/
c: District Manager, MOE Halton-Peel
Roger N. Crathern, Topsisite Contracting Limited