



Ministry
of the
Environment

Provisional Certificate No.
A 210102

PROVISIONAL CERTIFICATE OF APPROVAL WASTE DISPOSAL SITE

Under the Environmental Protection Act and the regulations and subject to the limitations thereof, this Provisional Certificate of Approval is issued to:

Regional Municipality of Halton
1151 Bronte Rd.
Oakville, Ontario
L6J 6E1

for the use and operation of a 29.3 hectare (72 acre) landfilling site within a total site area of 68.3 hectares (169 acres)

all in accordance with the following plans and specifications:

As per the attached Schedule "A"

Located: Part of Lots 3 & 4, Concessions 1 & 2
all the more particularly designated as Parts 1 to 9 inclusive
on Registered Plan of Survey 20R4648, City of Burlington
Regional Municipality of Halton

which includes the use of the site only for the disposal
of the following categories of waste (NOTE: Use of the site for additional categories of
wastes requires a new application and amendments to the Provisional Certificate of
Approval) domestic, commercial and solid non-hazardous industrial
wastes consisting of wastes from manufacturing and industrial processes
and including demolition and construction wastes.

and subject to the following conditions:

1. An access to the site from the north is not to be constructed and only the existing access from the North Service Road in the south is to be utilized.
2. Liquid industrial and hazardous waste including pathological waste; industrial, chemical and sewage sludges; septic tank pumpings; radioactive waste and processed organic waste shall not be accepted for disposal at the landfill site.

THIS IS A TRUE COPY OF THE
ORIGINAL CERTIFICATE MAILED

ON Sept 24/84

(Signature)

Dated this 20th day of September, 1984

(Signature)
Director, Section 38
Environmental Protection Act



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The following conditions are additional to the conditions shown on Provisional Certificate
of Approval Number A 210102 dated September 20, 1984

3. On or before December 31, 1984, the Regional Municipality of Halton shall submit for approval to the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment, a site groundwater and surface water monitoring program. This program shall include adequate surface water monitoring stations to measure any environmental impact on Falcon and Indian Creeks originating from the landfill, a special program for the identification, delineation and characterization of any movement of contaminated groundwater and a predictive component to assist in determining if and when contingency measures shall be implemented. The monitoring program shall be re-evaluated on an annual basis.
4. The Regional Municipality of Halton shall carry out the monitoring program as approved and with any amendments as required from time to time by the Director of the Central Region of the Ministry of the Environment. The results of all analyses shall be submitted to the Director of the Central Region of the Ministry of the Environment within one month of each analysis being completed.
5. The Regional Municipality of Halton shall provide for environmental inspection at the site and shall designate a Regional employee to be in charge of the inspection program. On or before December 31, 1984, the Regional Municipality of Halton shall submit to the Director of the Central Region of the Ministry of the Environment a description of the inspection program including the duties, responsibilities and qualifications of the Regional employee responsible for the program and the responsibilities of the employees reporting to him.
6. The Regional Municipality of Halton shall submit an annual report to the Director of the Central Region of the Ministry of the Environment by March 31, 1985, and on March 31st of each year thereafter. Such reports shall cover the year ending the previous December 31st and shall include the following information:
 - (a) the results of an interpretive analysis of all monitoring programs as provided in condition 3;
 - (b) a yearly summary of volumes and weights by type of all wastes received at the site including a list of all vehicles refused entry to the site, together with reasons for any refusal;
 - (c) all environmental and operational problems encountered during the operation of the site and any mitigative actions taken;



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- (d) a copy of a log to be kept at the site identifying the time, location and magnitude of all leachate break-outs, the date and type of any corrective measures taken and including a map showing the location of all leachate break-outs;
 - (e) a description of the quality and quantity of the leachate collected and discharged to the sanitary sewer system;
 - (f) an assessment of the operation and performance of all leachate collection facilities and any gas control facilities;
 - (g) the results of all routine inspections of the leachate collection facilities;
 - (h) a summary report of the observations and recommendations of the Regional employee responsible for environmental inspections;
 - (i) a statement as to compliance with all conditions of approval and with the reporting requirements of the conditions.
7. On or before December 31, 1984, the Regional Municipality of Halton shall submit to the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment a list of proposed contingency measures to be implemented, if necessary, to protect surface water and groundwater, described in sufficient detail to demonstrate that they are technically feasible.
8. No landfilling shall take place on phase A, B, and D until details of the surface drainage works and sediment control measures for that phase, to be implemented during the operation and at the completion of landfilling, have been submitted by the Regional Municipality of Halton and approved by the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment.
9. No landfilling shall take place in phase A, B and D until final plan specifications and an engineer's report on the leachate collector system for that phase have been submitted to and approved by the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment.
10. No landfilling shall take place in phase B and D until all boreholes, any gas or water wells and any other conduits for possible leachate movement within the actual landfill areas are identified and properly sealed to the satisfaction of the Director of Central Region of the Ministry of the Environment. The proposed method of sealing the boreholes, wells and other conduits must be submitted by the Regional Municipality of Halton and approved by the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment prior to such undertaking commencing.



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11. No landfilling shall take place in phase A, B and D until a site preparation report by a consulting engineering firm registered by the APEO, certifying that the site preparation work has been completed in accordance with the plans and specifications approved by the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment, has been submitted to the District Officer, Halton-Peel District Office, Central Region of the Ministry of the Environment and until approval has been given in writing by the District Officer.
12. No landfilling shall take place in the Phase D area within 20 metres of the crest of the Falcon Creek valley and no landfilling shall take place in the Phase B area within 20 metres of the Indian Creek ravine and woodlot.
13. No operation shall be carried out at the site after 120 days from these conditions becoming enforceable unless this certificate including the reasons for these conditions has been registered by the Applicant as an instrument in the appropriate Land Registry Office against the title to the site and the duplicate registered copy thereof has been returned by the Applicant to the Director of the Environmental Approvals and Project Engineering Branch, Ministry of the Environment.
14. No part of the landfilling site shall be conveyed prior to or after closing of the site to any person by the applicant or any transferee from the applicant without the prior approval of the Director of the Central Region of the Ministry of the Environment.
15. On or before December 31, 1985, the Regional Municipality of Halton shall submit a complete plan for the closure, long-term maintenance, long-term monitoring and after-use of the property to the Director of the Environmental Approvals and Project Engineering Branch of the Ministry of the Environment. This Plan shall include:
 - (i) plans for fencing and access control,
 - (ii) details of final cover which, at a minimum, shall have a thickness of .91 metres (3 feet), of which the top .30 metres (1 foot) shall be soil that will support vegetative growth,
 - (iii) details of the vegetative cover to be established,
 - (iv) plans for use of the site after closure,



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- (v) plans for continued monitoring of surface water and groundwater after closure,
- (vi) plans and schedules for routine inspection and maintenance of the site after closure including:
 - (a) actions to be taken to immediately control leachate outbreaks,
 - (b) examination of the effectiveness of leachate collection systems and surface drainage works,
 - (c) identification and mitigation of any on-site erosion.
- 16. No waste shall be deposited at the site after a date on which both sufficient alternative capacity is available to receive waste at another site within the Regional Municipality and appropriate contours for final closure of the site have been achieved. Such contours shall be submitted to the Director of Central Region for approval and are not to exceed the contours specified in Figures S-1, S-2, S-3 and S-4 in Appendix S of the document entitled "The Regional Municipality of Halton, Burlington Land-fill Site, Application for Continued Use" dated March, 1984.
- 17. The Regional Municipality of Halton shall notify the Director of the Central Region of the Ministry of the Environment of the formal closure of the landfill site and schedule for implementation of the plan referred to in condition 15 within fourteen (14) days from the date of final receipt of waste.
- 18. Within six months following the submission of the formal notice of site closure, two copies of as-constructed site plans including details of the final development contours, fill line, buffer zones, site boundaries, location of works, easements, monitoring stations, and pollution control facilities are to be submitted to the Director of the Central Region of the Ministry of the Environment.
- 19. Except as otherwise provided by these conditions, the waste disposal site shall be operated in accordance with the application for this Provisional Certificate of Approval dated February 15, 1984 and with the supporting information listed in Schedule "A".

SCHEDULE "A"

This Schedule "A" forms part of Provisional Certificate of Approval No. A 210102 dated September 20, 1984.

1. The Application for a Certificate of Approval for a Waste Disposal Site (Landfill) dated February 15, 1984.
2. The three volume document by M.M. Dillon Limited entitled "The Regional Municipality of Halton, Burlington Landfill Site, Application for Continued Use", dated March 1984.



Ontario

MINISTRY OF THE ENVIRONMENT

NOTICE

TO: Regional Municipality of Halton
1151 Bronte Road
Oakville, Ontario
L6J 6E1

You are hereby notified that Provisional Certificate of Approval No. A 210102 has been issued to you subject to the conditions outlined therein.

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

1. A reason for condition 1 is that the applicant has proposed the use of the existing 350 m access road to the site from the North Service Road; therefore, this access road is to be used. It would not be in the public interest to construct a different road as the application has not been considered on that basis.
2. The reason for condition 2 is that the applicant has indicated in the application that these wastes would be specifically excluded from the site. The imposition of condition 2 is to prevent the disposal of any wastes at the site that were not specifically addressed as part of the application or part of the hearings. The practice of disposal of these wastes may result in a hazard to the health and safety of any person.
3. The reason for condition 3 is to ensure that a site groundwater and surface water monitoring program is submitted to the satisfaction of the Director to allow the Ministry to monitor the egress of contaminants from the site in the groundwater or surface water.
4. The reason for condition 4 is that a monitoring program is necessary to provide information on the degree to which leachate will be controlled by the installation and operation of toe drain and under drain leachate collection systems and to provide information on the degree of attenuation of the leachate that is taking place within the soil and its impact on the ground and surface water both off and on site. Also, the monitoring program is an integral part of the operating and development plan for the waste disposal site and it would not be in the public interest to have a landfill site approved without such a program being assured.
5. The reason for condition 5 is to ensure that there will be adequate environmental inspection of the site and that there will be a designated regional employee responsible for environmental inspection of the site and to ensure that this employee will understand his responsibilities in detail.

6. The reason for condition 6 is to ensure that the operation and development of the site is consistent with the reports listed in Schedule "A" and with the requirements of conditions 4 and 5 and to avoid the creation of a nuisance.
7. The reason for condition 7 is that the contingency plan is necessary in the event sufficient attenuation of leachate in soil does not occur as anticipated and the monitoring program identifies unacceptable leachate migration. This contingency plan will have to be activated in order to prevent the creation of a nuisance, to eliminate a hazard to the health and safety of any person and to protect the natural environment.
8. The reason for condition 8 is to reduce or prevent an adverse impact of the landfill construction operation and in particular siltation caused by erosion on the natural drainage channel adjacent to the site and to reduce or prevent any surface run-off contamination by the stormwater being pumped for discharge to surface drainage channels and streams.
9. The reason for condition 9 is to ensure that the leachate collection facilities are designed to the satisfaction of the Ministry of the Environment and the issuing of the Certificate without this condition would not be in the public interest.
10. The reason for condition 10 is to prevent the unimpeded and unnecessary ingress of leachate into the groundwater regime and thus avoid the creation of nuisance conditions.
11. The reason for condition 11 is to ensure that the site is prepared for landfilling according to the design in the application for continued use.
12. The reason for condition 12 is to ensure that an adequate area is available for the construction of contingency facilities should the need arise.
13. The reason for condition 13 requiring registration of the Certificate is that Section 45 of the Environmental Protection Act prohibits any use being made of the lands after they cease to be used for waste disposal purposes within a period of twenty-five years from the year in which such land ceased to be used unless the approval of the Minister for the proposed use has been given. The purpose of this prohibition is to protect future occupants of the site and the environment from any hazards which might occur as a result of waste being disposed of on the site. This prohibition and potential hazard should be drawn to the attention of future owners and occupants by the Certificate being registered on title.
14. The reason for condition 14 is to ensure that the responsibility and authority to provide for the long term care of the site will be guaranteed and the future use of these lands by any other party will not conflict with the necessary control required to ensure long term safety to the public and protection to the natural environment.
15. The reason for condition 15 is to ensure that the site is closed in a satisfactory manner and to provide for the orderly and planned phasing out, maintenance, and monitoring of this site.

16. The reason for condition 16 is to ensure that when an alternative site is available to receive waste and the site can be closed in an appropriate manner, no additional waste will be accepted at the site.
17. The reason for condition 17 is to ensure that the Director is notified of the date the site is formally closed so that the time required by Section 45 of the Environmental Protection Act can be calculated.
18. The reason for condition 18 is to ensure that the site will be closed in an orderly and environmentally safe manner.
19. The reason for condition 19 is to ensure that this waste disposal site is operated in accordance with the application for this Provisional Certificate of Approval and the supporting information submitted therewith and not on a basis which the Director has not been asked to consider.

You may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board.

This Notice should be served upon:

The Secretary
Environmental Appeal Board
1 St. Clair Avenue West
5th Floor
Toronto, Ontario M4V 1K7

AND

The Director
Section 38, E.P.A.
Ministry of the Environment
135 St. Clair Ave. W.,
Toronto, Ontario

Dated at Toronto this 20th day of September, 1984.



Director,
Section 38, E.P.A.,
Ministry of the Environment.

THIS IS A TRUE COPY OF THE
ORIGINAL NOTICE MAILED

ON

Sept 24/84



SIGNED