



Ministry
of the
Environment

Ontario

Provisional Certificate No. A 210102

PROVISIONAL CERTIFICATE OF APPROVAL WASTE DISPOSAL SITE

Under The Environmental Protection Act, 1971 and the regulations and subject to the limitations thereof, this Provisional Certificate of Approval is issued to:

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

for the ~~extension~~ of the existing 22.3 hectare landfilling site within a total area of 45.0 hectares to 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 listed in Schedule "A"

Located: Parts of Lots 3 & 4, Concession 1 & 2
all 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 toxic waste including pathological waste, industrial and chemical sludges, hazardous waste, septic tank pumpings, radioactive waste and processed organic waste will not be accepted for disposal at the landfill site.
3. The Regional Municipality of Halton will carry out the predictive monitoring programs including the submissions to the Ministry of the Environment of an annual monitoring report all in accordance with the Monitoring Report, prepared by Gartner Lee Associates Limited, April 1980 and with any amendments as required from time to time by the Director of the Environmental Approvals Branch of the Ministry of the Environment.

Dated this 24th day of October, 19 80.


Director, Section 39,
The Environmental Protection Act, 1971



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The following conditions are additional to the conditions shown on Provisional Certificate
of Approval Number A 210102 dated October 24, 1980

4. No landfilling shall take place in the proposed expansion area until all bore-holes, any gas or water wells, and any other conduits for possible leachate movement within the actual landfill area are identified and the proposed method of properly sealing these are submitted by the Regional Municipality of Halton and approved by the Director of the Environmental Approvals Branch, Ministry of the Environment.
5. *P. do not have this*
Prior to landfilling in the Phase II expansion area, details of the surface drainage works, swales, and sediment control measures, including measures for draining of Phase II during landfilling operations and for slope stabilization in areas of extreme erosion are to be submitted by the Regional Municipality of Halton and approved by the Director of the Environmental Approvals Branch, Ministry of the Environment.
6. Prior to landfilling in the Phase II expansion area, final plans, specifications and an engineer's report on the toe-drain and under-drain leachate collector system are to be submitted to and approved by the Director of the Environmental Approvals Branch, Ministry of the Environment.
7. Prior to landfilling in the Phase II Expansion Area, a contingency plan, for the east side of Falcon Creek Valley to intercept leachate, must be submitted by the Regional Municipality of Halton and approved by the Director of the Environmental Approvals Branch of the Ministry of the Environment.



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The following conditions are additional to the conditions shown on Provisional Certificate
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8. Prior to landfilling in the Phase II area of the site the Municipality shall certify that the site preparation work has been completed in accordance with the plans & specifications approved by the Director of the Environmental Approvals Branch of the Ministry of the Environment.
9. A progress report on landfilling operations including the following information:
 - (a) results of an interpretive analysis of all monitoring programs for gas and leachate;
 - (b) the site map of all the landfilled areas and any deviations from the operating plans;
 - (c) yearly summary of volumes and weights of waste handled at the site;
 - (d) environmental and operational problems encountered during the operation and mitigating actions;
 - (e) quality and quantity of leachate discharged into the sanitary sewer system;
 - (f) assessment of the operation and performance of all gas and leachate control facilities.

is to be submitted every twelve months to the Director of the Environmental Approvals Branch, Ministry of the Environment. The first report is to be submitted by February, 1981, with subsequent progress reports being submitted annually thereafter.



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The following conditions are additional to the conditions shown on Provisional Certificate
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10. Within four months prior to the closure of the site, a complete closure plan pertaining to the termination of landfilling operations at the site, together with a schedule of dates and details as to the following stages:

(a) planning of the

- (i) development of new sites;**
- (ii) rodent extermination at the closing site;**
- (iii) work required to restrict access to and landscape the closing site;**

(b) information to and education of the public of

- (i) plan for closure;**
- (ii) alternative sites;**

(c) implementation of the following parts of the plan

- (i) start-up of new sites;**
- (ii) rodent extermination program;**
- (iii) grading, compacting, seeding;**
- (iv) surface drainage controls;**

(d) maintenance of the closed site

- (i) by periodic inspections;**
- (ii) to ensure revegetation cover, control of erosion and to maintain integrity of the cover material;**

is to be submitted for approval to the Director of the Environmental Approvals Branch, Ministry of the Environment.



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The following conditions are additional to the conditions shown on Provisional Certificate
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11. Within six months following the termination of landfilling operations at the site, 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 Environmental Approvals Branch, Ministry of the Environment.
12. Within four months prior to the closure of the site the Municipality shall submit to the Director of the Environmental Approvals Branch a post closure program providing for the long-term care and maintenance of gas and leachate monitoring and control facilities.
13. 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 except to a Federal or Provincial Government, or any agency thereof without the prior approval of the Director of the Environmental Approvals Branch, Ministry of the Environment.
14. No operation shall be carried out at the site after one hundred and twenty 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 title of the site and the duplicate registered copy thereof has been returned by the applicant to the Director of the Environmental Approvals Branch, Ministry of the Environment.



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. The reason for Condition 1 is the applicant has proposed the use of the existing 350-metre access road to the site from the North Service Road and 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 development plan report these wastes would be specifically excluded. 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 development plan or of the hearings. The practice of disposal of these waste types may result in hazards to the health and/or safety to any person.
3. The reason for Condition 3 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. As well, it is felt that 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 without such a program being assured.

4. The reason for Condition 4 is to prevent the unimpeded and unnecessary ingress of leachate into the groundwater regime and thus avoid the creation of nuisance conditions.
5. The reason for Condition 5 is:
 - (a) to reduce or prevent the impact of the landfill construction operation and in particular silting caused by erosion, on the natural drainage channel adjacent to the site; and,
 - (b) to reduce or prevent any surface runoff contamination by the waste from being pumped for discharge to surface drainage channels and streams.
6. The reason for imposing Condition 6 is to ensure that the facilities are designed to the satisfaction of the Ministry of the Environment and the issuance of the certificate without this condition would not be in the public interest.
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 determines that the leachate migration to Falcon Creek is excessive. This contingency plan will have to be activated in order to prevent the creation of a nuisance and eliminate a hazard to the health and safety of any person and to protect the natural environment.
8. The reason for imposing Condition 8 is to ensure that the site is prepared for landfilling according to the design in the development plan for the site.
9. An annual report as required by Condition 9 is necessary to ensure the operation and development and expansion of the site is consistent with the reports listed in Schedule "A" and thus avoid the creation of a nuisance.
10. The reason for imposing Condition 10 is to ensure that the site is closed off in a satisfactory manner and to provide for the orderly and planned phasing out of this site.
11. The reason for imposing Condition 11 is to provide a permanent record of the completed waste disposal operations carried out at the site.
12. The reason for Conditions 12 and 13 is that with all landfilling operations, certain works are necessary in order to properly close down the site and to provide for its long-term care. Consistent with the other responsibilities under Section 46 of The Environmental Protection Act, 1971, it is in the public interest to ensure all necessary steps have been taken in these regards so that the responsibility and authority to provide for the long-term care of these environmental controls will be guaranteed and the future use of these lands by any other party will not conflict with the necessary controls required to ensure long-term safety to the public and protection of the natural environment.

13. The reason for Condition 14 requiring registration of the Certificate is that Section 46 of The Environmental Protection Act, 1971, prohibits any use being made of lands after they cease to be used for waste disposal purposes in order to protect future occupancy of the site and the environment from any hazard which may occur as a result of waste being disposed of at 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.

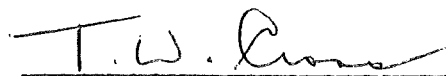
You may by written notice served upon me and The Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board.

This Notice should be served upon:

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

The Director
Section 3a, E.P.A.
Ministry of the Environment
135 St. Clair Ave. West
Toronto, Ontario
M4V 1P5

Dated at Toronto this 24th day of October 1980.



Director
Section 3a, E.P.A.
Ministry of the Environment

THIS IS A TRUE COPY OF THE
ORIGINAL CERTIFICATE MAILED

ON OCT 28 1980

(Signed)

SCHEDULE "A"

1. The Regional Municipality of Halton documents and specifications entitled "Leachate Collection Sewer System, North Service Road and Regional Landfill Site in the City of Burlington Contract S-489-79", including drawings on sheets 1 to 11 prepared by the Regional Municipality of Halton Public Works Department.
2. Letter of October 31, 1979 from R.W.J. Moore, Director of Public Works, Region of Halton to A.V. Giffen, District Officer, Ministry of the Environment, outlining additional information and works to be implemented by the Region of Halton.
3. Drawings entitled "Sanitary Landfill Site in the City of Burlington Final Contours-Operation Plan", as it pertains to only the final contours on the south half of the landfill site, and submitted to the Ministry of the Environment under covering letter of July 5, 1979 to A.V. Giffen, District Officer, from D.R. Morrier, Manager, Operations and Maintenance, Region of Halton.
4. Report entitled "Burlington Landfill Site Phase I Expansion" prepared by M.M. Dillon Limited Consulting Engineers and Planners and dated September 26, 1979.
5. Report entitled "Burlington Landfill Site Hydrogeological Study" dated October 17, 1979 prepared by Gartner Lee Associates Limited for M.M. Dillon Limited.
6. Report entitled "Burlington Landfill Site-Design and Operations Report" dated January 30, 1980, prepared by M.M. Dillon Limited Consulting Engineers and Planners.
7. Letter written by Mr. H.J. Bourque, P.Eng., of M.M. Dillon Limited on behalf of Mr. W.F. Wells, P.Eng., Project Manager dated January 30, 1980, giving further particulars of the Phase I and II Expansion of the Burlington Landfill Site.
8. Plan entitled "City of Burlington Regional Municipality of Halton Plan 20R4648" dated February 9th, 1979 prepared by Sidney W. Woods Inc. Engineers & Surveyors.
9. Report entitled "Monitoring Program-Burlington Regional Landfill Site for the Regional Municipality of Halton", dated April, 1980, prepared by Gartner Lee Associates Limited.