

**ENVIRONMENTAL PROTECTION
ACT APPLICATION
FOR HALTON'S NEW LANDFILL SITE**

**LOT 3 AND PART OF LOT 4 CONCESSION II
TOWN OF MILTON (SITE D)**

OCTOBER 1986

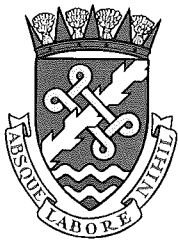
REGIONAL MUNICIPALITY OF HALTON

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List of Schedules of Supporting Documents (Halton
Region Landfill Technical Reports) Submitted Under
Separate Cover

Schedule A-D	Design and Operations Report - Site D
Schedule B-D	Hydrogeologic Report - Site D
Schedule C-D	Transportation Analysis Report - Site D
Schedule D-D	Biophysical Analysis Report - Site D
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Schedule F	Heritage Features Assessment Report
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Schedule J-D	Noise Analysis Report - Site D
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Schedule N	Letters, Reports and Resolutions adopted by the Regional Municipality of Halton



THE REGIONAL MUNICIPALITY OF HALTON

PUBLIC WORKS
DEPARTMENT

P.O. BOX 7000
2316 SOUTH SERVICE ROAD WEST
OAKVILLE, ONTARIO L6J 6E1
416/827-2151

1986 10 22

Ministry of the Environment
Environmental Approvals and
Land Use Planning Branch
Suite 100
135 St. Clair Avenue, West
TORONTO, Ontario
M4V 1P5

Attention: Mr. W.R. Balfour, P.Eng., Director

Dear Sir:

Re: Environmental Protection Act Application for
Halton's New Landfill Site - Site D (Milton)

Please accept this as a formal application by the Regional Municipality of Halton pursuant to the Environmental Protection Act for the issue of a Certificate of Approval for the design and operation of a solid waste disposal site (landfill) at Lot 3 and Part of Lot 4 Concession II in the Town of Milton, Regional Municipality of Halton.

This letter and the attached documents form the basis for an application.

A concurrent application for a Certificate of Approval for a solid waste disposal site (landfill) at North Half of Lots 2 and 3 Concession I and South Half of Lot 3 Concession II in the City of Burlington, Regional Municipality of Halton has been submitted to the Ministry of the Environment under separate cover.

Please be advised that Halton intends to have the matter of this application heard by a Joint Board pursuant to the Consolidated Hearings Act. Notice of Halton's requirement for a Consolidated Hearing should be issued shortly. However, we would be pleased to discuss with you at any time any issues raised by this application.

We would appreciate the processing of this application as expeditiously as possible.

Yours truly,

A handwritten signature in dark ink, appearing to read 'R.W.J. Moore', is written over the typed name.

R.W.J. Moore, P.Eng.
Director of Public Works

DGS:yt

APPLICATION FOR A CERTIFICATE OF APPROVAL
FOR A WASTE DISPOSAL SITE (LANDFILL)



Ontario

Ministry
of the
Environment

For Office Use
Application Number

**APPLICATION FOR A CERTIFICATE OF APPROVAL
FOR A WASTE DISPOSAL SITE (LANDFILL)**

IMPORTANT NOTE:

If this application is for notification of changes in use, operations, or ownership, specify the MOE number on your certificate _____ and fill in only the data on this form which are being revised.

1. Applicant:

Municipal () Provincial () Other ()

Name: _____

Address: _____ Postal Code: _____

City/Prov.: _____ Telephone: _____

If Applicant not Municipal or Provincial complete the following:

() Proprietorship
Name, if different than applicant: _____ () Corporation: President's Name: _____

() Partnership - Name all partners:
(i) _____ (ii) _____

2. Land Owner: (if not applicant)

Name: _____

Address: _____

3. Lessee (if applicable)

Name: _____

Address: _____

4. Site Operator

Name: _____ Title: _____

Address: _____

5. Site Location:

City	()	Concession:	_____
Town	() Name:	Lot No:	_____
Village	()	Part of Lot:	_____
Township	()	Street Address:	_____
Other	_____		_____

Include a copy of the plan of survey of any lands on which the site is to be located.

6. Site Characteristics and Waste Category

- a. Present land use _____
- b. Present Official Plan designation of site _____
- c. Present zoning category _____
- d. Present land use of all adjoining properties to be provided on location map.
- e. Rate at which site can receive waste per day.

Domestic _____ () Tonnes
() Cu. Meters

Commercial _____ () Tonnes
() Cu. Meters

If any of the following waste categories are intended to be received at the site, attached a description of each, including their source to the Application.

Liquid Industrial _____ () Tonnes () Tonnes
 () Cu. Metres Non Hazardous Solid Industrial _____ () Cu. Metres
 () Litres () Litres

Hazardous _____ () Tonnes
 _____ () Cu. Meters
 _____ () Litres

Other _____ () Tonnes
 _____ () Cu. Meters
 _____ () Litres

- f. Number of days/year the site is open _____
- g. Population served _____
- h. Names of all municipalities/major industries intended to be served by the site
- 1) _____ 4) _____
- 2) _____ 5) _____
- 3) _____
- i. Total area of site _____ hectares or _____ acres
- j. Total area to be filled _____ hectares or _____ acres
- k. Estimated capacity of the site _____ tonnes or _____ cu. m
- (Rate per day and EST Capacity must be in the same measurement)

7. For enlargement and/or change of site only

- a. Additional Life Expectancy _____ years
- b. Additional Area Applied for _____ (hectares)
- c. New Total Area of Site _____ (hectares)
- d. Name's of New Municipalities potentially served (1) _____
- (2) _____ (4) _____
- (3) _____ (5) _____

8. Control System

- a. Monitoring for - Gas ☐ Yes ☐ No - Ground Water ☐ Yes ☐ No - Surface Water ☐ Yes ☐ No
- b. Control system for - Gas ☐ Yes ☐ No - Gas utilization ☐ Yes ☐ No - Leachate ☐ Yes ☐ No

9. List all Supporting Documents Submitted with this Application.

10. Signature

Applicant Name (Printed) _____

Title _____

(Signature) _____

Date _____

SEAL OF COMPANY
(if applicable)

APPLICATION FOR A CERTIFICATE OF APPROVAL
FOR A WASTE DISPOSAL SITE (LANDFILL)

1. Applicant

Regional Municipality of Halton
P.O. Box 7000
2316 South Service Road West
OAKVILLE, Ontario
L6J 6E1

(416) 827-2151

2. Land Owner

Regional Municipality of Halton

Land Acquisition subject to Environmental Assessment
approval

3. Lessess

Not applicable

4. Site Operator

Regional Municipality of Halton or under contract with
Halton Region

5. Site Location

Lot 3 and part of Lot 4
Concession II
Town of Milton

A street address is not available for this site at the
present time. Once it is known, the Ministry of the
Environment will be advised.

6. Site Characteristics and Waste Category

a. Present land use - Agricultural

b. Present Official Plan designation of site -
Regional - Rural
Local - Agricultural and some Conservation and Hazard
Lands

- c. Present Zoning Category - No Zoning
- d. Present land use of all adjoining properties to be provided on location map

Refer to attached map

- e. Rate at which site can receive waste per day

Domestic 540 tonnes

Commercial 225 tonnes

Non-Hazardous Solid Industrial 120 tonnes

For a description of this waste, refer to the Design and Operations Report (Schedule A-F) submitted with this application.

Other 15 tonnes

This waste consists of limited agricultural wastes from agricultural industries in Halton Region, primarily from Leaver Mushrooms Limited

- f. Number of days/year the site is open

312 days (maximum)

Closed Sundays and Holidays

- g. Population served 1988-281,600 to 2008-416,300

- h. Names of all municipalities/major industries intended to be served by the site

The site will accept non-hazardous solid waste from the four area municipalities (Burlington, Oakville, Milton and Halton Hills) and all industries within Halton Region.

- i. Total area of site - 96 hectares

- j. Total area to be filled - 50 hectares

- k. Estimated capacity of the site - 3,820,000 tonnes

7. This section is not applicable to this application.

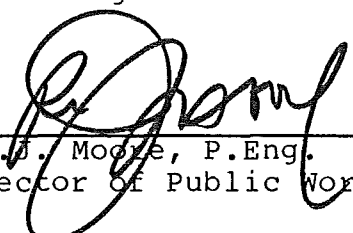
8. Control System

- a. There will be monitoring for gas, ground water and surface water.
- b. Control systems are not proposed for gas production and gas utilization, however a leachate control system is proposed.

9. Supporting Documents Submitted with this Application

Schedule A-D Design and Operations Report - Site D
Schedule B-D Hydrogeologic Report - Site D
Schedule C-D Transportation Analysis Report - Site D
Schedule D-D Biophysical Analysis Report - Site D
Schedule E-D After-Use Report - Site D
Schedule F Heritage Features Assessment Report
Schedule G-D Visual Analysis Report - Site D
Schedule H-D Wind Analysis Report - Site D
Schedule I-D Air Quality Analysis Report - Site D
Schedule J-D Noise Analysis Report - Site D
Schedule L Waste Quantities Projections Report
Schedule M Leachate Treatability and Toxicology Report
Schedule N Letters, Reports and Resolutions adopted by the Regional Municipality of Halton

10. Signature -



R.W.J. Moore, P.Eng.
Director of Public Works

1986 10 22

4. Background - Halton Region Landfill Technical Study

4.1 Need for a Landfill Site

Pursuant to Section 137 of the Regional Municipality of Halton Act, the Regional Municipality of Halton is responsible for providing facilities for the purpose of receiving, dumping and disposing of waste.

At present, the Region of Halton is providing for its solid waste disposal needs by a number of means, one of which is the process of landfilling Halton Region's solid waste at the Regional Landfill Site located on Part of Lots 3 and 4, Concession I and II, in the City of Burlington, (formerly in the Township of East Flamborough), in the Region of Halton.

The useful life of that landfill site is rapidly approaching an end. At present, there exists no other site available in Halton that is approved for the purposes of landfilling, either private or public, to satisfy the solid waste disposal needs of Halton. Halton's most recent assessment of the time during which Halton Region will be in a position to satisfy its solid waste disposal needs through landfilling at the existing landfill site in Burlington is set out in report PW 292/86, dated August 8, 1986, and received by Halton Regional Council. This report is included in Schedule N submitted with this application. That report indicates that the existing landfill site will have reached its capacity to satisfy the Region of Halton's solid waste disposal needs in the late fall of 1987, unless other interim emergency disposal measures are implemented. Regional Council has given staff instructions to investigate available alternative methods of interim waste disposal, which would involve the use of disposal facilities located outside of Halton Region. (Refer to Schedule N, Resolution relating to Interim Waste Disposal Plan No. 5, PW 291/86).

As a result of its responsibilities under its enabling statute and as a result of the diminishing capacity of Halton Region's existing landfill site, the Region of Halton commenced an investigation of its solid waste disposal requirements, as early as 1974.

On February 9, 1981, the then Minister of the Environment, Harry Parrott, issued an order that pursuant to then Section 35 of the Environmental Assessment Act, 1975, the Environmental Assessment Act, 1975 applied to Halton's proposal to develop and operate a new waste disposal site, and that the method by which Halton selected the location of any new landfill site would require full compliance with the requirements of the Environmental Assessment Act.

In 1982, the Region of Halton commenced a process of reviewing its waste management needs, to determine the need for a future landfill site to satisfy all or part of its solid waste disposal needs. Once a need had been determined the process of selecting a site in the Region of Halton, suitable for landfilling was commenced. The process was designed and carried out to comply with the requirements of Ontario's Environmental Assessment Act.

4.2 Halton's Environmental Assessment

Phase 2 Stage 1 reports established the waste management needs of Halton and identified a landfill as a necessary component of the system. Phase 2 Stages 1 and 2A reports focussed on the landfill site selection criteria and identified potential candidate sites in the initial step in the site selection process. Phase 2 Stage 2B reports, narrowed the candidate sites to six for the purposes of further evaluation. The Stage 2C study then reviewed site specific information to analyze and comparatively rank these six sites in order of preference. The intent of the ranking was to identify the preferred site or sites that would be further pursued to detailed site specific technical studies as required by the Environmental Protection Act. In October of 1985, the documentation of the process and analysis undertaken during the course of Halton's Environmental Assessment was completed and submitted to the Ministry of the Environment.

The Environmental Assessment documentation submitted by Halton Region consisted of the Environmental Assessment document, and forty-seven schedules which included documentation of the process which Halton followed, the individual impact assessment studies, the public participation program and the responses of Halton Region to comments made during the public participation program.

4.3 Preparation of Halton's Environmental Protection Act Application

On July 23, 1985, Halton Regional Council adopted Report No. CAO 203/85 "Halton's New Landfill Component - Approvals Approach - Environmental Assessment, Environmental Protection Act, Planning and Financial" which included recommendations to carry out detailed technical studies on the two highest ranking sites determined from the Environmental Assessment work.

A copy of the resolutions adopted pursuant to this report is contained in Schedule N submitted with this application. The two sites investigated in detail are at Lot 3 and part of Lot 4 Concession II in the Town of Milton (Site D) and at North Half of Lots 2 and 3 Concession I and South Half of Lot 3 Concession II in the City of Burlington (Site F).

The Halton Region's Landfill Technical Study reports were adopted by Council on 1986 10 22 as recommended in Report CAO 268/86, "Halton Region Landfill Technical Reports Applications under the Environmental Protection Act, the Conservation Authorities Act and the Ontario Water Resources Act for a Waste Disposal Site (Landfill) at Site F in Burlington and Site D in Milton". This report and the resolutions adopted pursuant thereto are included in Schedule N and form the basis for a formal application pursuant to the Environmental Protection Act for the issue of a Certificate of Approval for design and operation of a solid waste disposal site (landfill).

Report CAO 268/86, gives the authority to Halton's Director of Public Works to prepare and submit applications pursuant to the Environmental Protection Act.

This document includes a completed Application for a Certificate of Approval for a Waste Disposal Site (Landfill) and has attached Halton Region Landfill Technical Study reports in support of this application for the design and operation of a solid waste disposal site (landfill) at Lot 3 and Part of Lot 4 Concession II Town of Milton (Site D), Regional Municipality of Halton.

A separate Application for a Certificate of Approval for a Waste Disposal Site (Landfill) at the North Half of Lots 2 and 3 Concession I and South Half of Lot 3 Concession II City of Burlington (Site F), Regional Municipality of Halton, has been submitted under separate cover.