

APPLICATION MADE UNDER
REGULATION 164, R.R.O. 1980 OF
THE CONSERVATION AUTHORITIES ACT
R.S.O. 1980

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

OCTOBER 1986

REGIONAL MUNICIPALITY OF HALTON

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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 28

Halton Region Conservation Authority
310 Main Street
MILTON, Ontario
L9T 1P4

Attention: Mr. M. Stephen, General Manager

Dear Sir:

Re: Application for Approval under Regulation 164 of the
Conservation Authorities Act - Halton's Proposed New
Landfill - Site D (Milton)

On 1986 10 22, Halton Regional Council approved Report CAO 268/86 which gave the authority to the Director of Public Works to submit, on behalf of Halton Region, an application made under Regulation 164, R.R.O. 1980 of the Conservation Authorities Act R.S.O. 1980 for approval for any straightening, changing, diverting or interfering with any channel of a river, creek, stream or watercourse required to design, construct and operate a proposed new landfill at Lot 3 and Part of Lot 4 Concession II in the Town of Milton (Site D), Regional Municipality of Halton.

Please be advised that Halton has applied to the Minister of the Environment for the passage of a regulation which would permit Halton to consolidate the hearing of an approval under Regulation 164 of the Conservation Authorities Act at a Consolidated Hearing before the Joint Board. However, we wish to submit this application and to take this opportunity to meet and work with the appropriate representatives of the Halton Region Conservation Authority to attempt to meet all the concerns of the Conservation Authority in respect to this matter.

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BURLINGTON
639-4540

HALTON HILLS
ACTON
853-0501

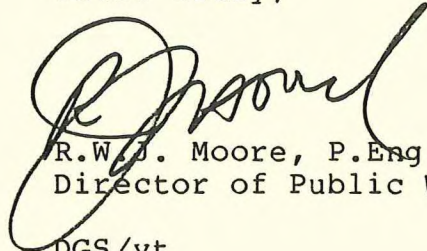
HALTON HILLS
GEORGETOWN
878-8113

MILTON
878-8113

OAKVILLE
827-2151

A concurrent application for approval under Regulation 164 of the Conservation Authorities Act in respect to a proposed new landfill located at the North Half of Lots 2 and 3 Concession I and South Half of Lot 3 Concession II in the City of Burlington (Site F), Regional Municipality of Halton has been submitted to the Halton Region Conservation Authority under separate cover.

Yours truly,

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

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

DGS/yt
Attach.

The Halton Region Conservation Authority
Trafalgar square
310 Main Street
MILTON, Ontario
L9T 1P4

Application is hereby made under Regulation 164, R.R.O. 1980 made under the Conservation Authorities Act, R.S.O. 1980 for a permit to carry out the following proposed work.

Applicant: Regional Municipality of Halton
Public Works Department
P.O. Box 7000
2316 South Service Road West
Oakville, Ontario
L6J 6E1

Location of Work: North Half of Lots 2 and 3
Concession I and South Half of
Lot 3 Concession II
City of Burlington (Site F)

Proposed Future Land Use: A Solid Waste Disposal Site
(Landfill)

Description of Proposed Work:

Proposed Storm Water Management Works

Initially, ditches will be constructed as shown on Drawing 6 of the Design and Operations Report (Schedule A-F) submitted with and in support of this application. These will consist of perimeter ditches between the open excavation and the access road adjacent to the site, constructed as landfilling progresses. These will drain to retention ponds. Run-off from the existing Regional and Bayview sites, will be conveyed via existing streams or ditches and will bypass retention ponds constructed for the operation of Site F, wherever possible.

Storm run-off within the fill boundaries will be conveyed by temporary ditches within the fill area into perimeter ditches or into the existing stream valleys. If the latter is the case, the water will pond at the edge of excavation. Temporary dykes will be constructed near the working face of excavation, to retain run-off from a 2 year storm. This ponded non-contaminated run-off will be pumped and discharged into nearby retention ponds or ditches.

Perimeter Ditches

Control of storm water run-off from the landfill site itself will be accomplished by perimeter ditches near the toe of the slopes of fill.

All ditches will be constructed to accommodate a 25 year storm. Ditches will be grass lined where existing grades permit and will be gabion-filter lined where grades induce higher velocities.

Temporary drainage ditches will be provided on the earth dyke located between Cells 1 and 2. Run-off will be conveyed to retention ponds.

Ditches will be installed in stages, along with the necessary culverts. Ongoing maintenance will be necessary during landfill use and after site closure. Typical details of perimeter ditches and gabions are shown on Drawing 7 of the Design and Operations Report (Schedule A-F).

Control of Storm Water in Working Area

Surface water will be diverted from the working face and open excavation by temporary ditches located near the area under excavation.

The storm run-off entering the partially filled areas will be collected by the perforated leachate collection system and will be treated as leachate.

Storm Water Retention Ponds

There will be two permanent storm water retention ponds and one temporary storm water retention pond. The ponds will be designed to retain a 25 year storm in accordance with the criteria established by the City of Burlington and will be grass lined, except at the inlet. At the inlet face, rip-rap will be used, as shown on Drawing 7 of the Design and Operations Report (Schedule A-F), to prevent scouring of the side wall of the pond at the inlet. The ponds will reduce the impact of the storm and act as a settling basin for transported sediment. Deposited sediment will be dredged as required.

The temporary retention pond will be eliminated once the southern portion of the site is in operation. Perimeter ditches will then pick-up storm run-off and convey it to the south retention pond.

The east retention pond will retain run-off from the proposed site and contributing areas of the Bayview site. The inlet ditch into the pond will accommodate the combined flows.

The south retention pond will retain run-off from both the west perimeter ditch and southeast perimeter ditch. Inlet to the pond will be by a culvert.

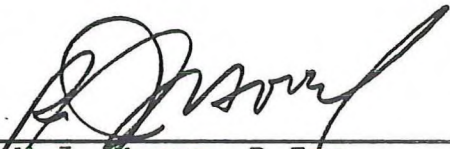
The discharge pipes from the retention ponds will be designed to control outflow from the ponds such that post-development flow will not exceed pre-development flow for a 25 year storm (zero run-off increase). Erosion protection will be provided up to the 50 year storm flows.

The retention ponds will be monitored on a regular basis for water quality. If the water is found to be contaminated, the retained water in the ponds will be treated and disposed of as leachate.

Proposed Construction Period Starting Date: October 1, 1988
(for all initial site preparation work)

Proposed Construction Period Completion Date: October 1, 1989
(for all initial site preparation work)

Dated at Oakville this 28th day of October 1986.



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

1986 10 28

4. Supporting Information

- (a) A plan showing details of proposed storm water management works.

Reference should be made to Drawing No. 6 Initial Site Preparation in the Design and Operations Report (Schedule A-F) submitted with and in support of this application.

- (b) A description of the protective measures to be undertaken.

Reference should be made to the section entitled Description of Proposed Work on page 3 of this application.

- (d) Dates between which the proposed storm water management works will be carried out.

The proposed storm water management works will be carried out between October 1, 1988 and October 1, 1989.

- (d) Purpose of the proposed work.

The purpose of the proposed storm water management works is to provide greater control of the storm run-off at the proposed landfill site.