



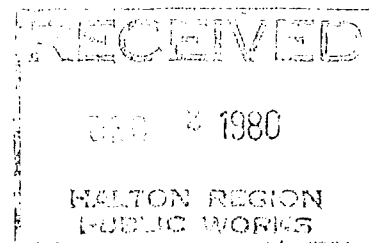
Consulting Engineers & Planners

OUR FILE:
YOUR FILE:

8573-01

26 November 1980

Regional Municipality of Halton
1151 Bronte Road
Oakville, Ontario
L6G 6E1



Attention: D.J. Corbett, P.Eng.

Burlington and Oakville
Landfill Sites
Remaining Operating Life

Dear Sirs:

As a basis for the report (for the Site F Hearing) on site operations for the Burlington and Oakville Landfills, we have reviewed calculations of site quantities derived from 25 September 1980 photography. These calculations were prepared by Northway-Gestalt and the site quantities estimates by Dillon for the design and operations reports.

A. BURLINGTON LANDFILL (PHASE I OPERATION)

Capacity Remaining:

SW Area	43,015 m ³
Phase I area	363,365 m ³
Total remaining capacity	406,380 m ³

Volume Utilization

Final Cover - SW	15,000 - 20,000 m ³
- Phase 1	46,000 m ³

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Intermediate cover @ 4:1 refuse to cover ratio	68,076 m ³
Refuse volume	272,304 m ³
<u>Available Earth Fill</u>	1,669 m ³
<u>Remaining Refuse Weight</u> <u>Capacity</u> (@ 600 kg/m ³ refuse density)	163,000 tonnes
<u>Estimated Remaining</u> <u>Operating Life</u>	20 months
<u>Estimated Site Closure</u>	May, 1982

B. BURLINGTON LANDFILL (PHASE I AND II COMBINED)

Capacity Remaining:

SW Area	43,015 m ³
Phases I and II combined (Above grade only)	751,785 m ³
Phase II excavation	185,636 m ³
Total Remaining Capacity	980,436 m ³

Volume Utilization

Final Cover - SW	15,000 - 20,000 m ³
- Phase I&II	91,000 m ³

Intermediate Cover (4:1 refuse to cover ratio)	173,887 m ³
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Refuse Volume	695,549 m ³
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Availabale Earth Cover

Stockpiles (SW area)	1,669 m ³
Excavation (Phase II)	185,636 m ³
plus 15% bulking	27,845 m ³
Total	<u>215,150 m³</u>

Remaining Refuse Weight

Capacity (@ 600 kg/m ³ refuse density)	417,000 tonnes
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Estimated Remaining

<u>Operating Life</u>	51 months
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Estimated Site

<u>Closure Date</u>	December 1984
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C. OAKVILLE LANDFILL SITE

Capacity Remaining

above grade	334,354 m ³
in excavation	118,836 m ³
	<u>453,190 m³</u>

Volume Utilization

Final Cover	65,000 m ³
Daily & Intermediate Cover	77,638 m ³
Refuse Volume	310,552 m ³

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Available Earth Cover

Stockpiles	24,659 m ³
Excavation	118,836 m ³
plus 15% bulking	17,825 m ³
Total	161,320 m ³

Remaining Refuse

Weight Capacity (@ 600
kg/m³ refuse density) 186,000 tonnes

Estimated Remaining

<u>Operating Life</u>	24 months
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Estimated Site

<u>Closure Date</u>	October 1982
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The closure date for Phase I (with Oakville expansion) originally estimated for May 1982 is unchanged. For Phase I and II (with Oakville expansion), originally for February 1984, is now December 1984. For Oakville, the site closure date originally estimated for November 1982 is revised to October 1982.

Yours truly,

M. M. DILLON LIMITED



H.J. Bourque, P.Eng.
for W.F. Wells, P.Eng.
Project Manager

HJB:rp

cc: D.Y. Perlin
F.D. Kemp