



Solid Non-Hazardous Waste Disposal Site Inspection Report

Client:	The Corporation of the Municipality of Southwest Middlesex Mailing Address: PO Box 218, Glencoe, Ontario, Canada, N0L 1M0 Physical Address: 133 McKellar Street, Concession: , Plan: , Southwest Middlesex, Municipality, County of Middlesex, Ontario, Canada, N0L 1M0 Telephone: (519)287-2015, FAX: (519)287-2359, email: info@swmiddlesex.on.ca Client #: 6892-5DNKYK, Client Type: Municipal Government,		
Inspection Site Address:	Limerick Road Landfill (Mosa Landfill) Address: Lot: 23, Concession: 3, Plan: , Southwest Middlesex, Municipality, County of Middlesex District Office: London - District GeoReference: Map Datum: NAD83, Zone: 17, Accuracy Estimate: 10-30 metres eg. Medium Quality GPS, Method: GPS, UTM Easting: 431559, UTM Northing: 4724065, .		
Contact Name:	Rod Tapp	Title:	Public Works Manager
Contact Telephone:	(519)287-2015 ext	Contact Fax:	(519)287-2359
Last Inspection Date:	1998/10/13		
Inspection Start Date:	2004/07/08	Inspection Finish Date:	2004/07/08
Region:	Southwestern		

1.0 INTRODUCTION

The inspection was conducted to determine compliance with the requirements of the Environmental Protection Act, the Ontario Water Resources Act, Regulations 347 (Waste), Certificates of Approval, and other MOE policies and guidelines.

Additional information was obtained during a telephone conversation with Mr. Rod Tapp.

2.0 INSPECTION OBSERVATIONS

Certificate of Approval Number(s):

A 041902

2.1 FINANCIAL ASSURANCE:

There is no financial assurance for this site.

2.2 APPROVED AREA OF THE SITE:

The site is a 6 hectare (15 acre) landfilling site. There is one cell presently in use, the footprint of the cell is clearly identifiable.

2.3 APPROVED CAPACITY:

There is no approved capacity on the Certificate of Approval. It is reported that the landfill may have 15 years of capacity remaining.

2.4 ACCESS CONTROL:

The landfill is opened to the public on Wednesdays from 12:00 PM to 5:00 PM and on Saturdays from 9:00 AM to 5:00 PM. Entrance to the site is controlled by a locked gate and perimeter fencing.

2.5 COVER MATERIAL:

On July 8, 2004, there was no cover material on the waste, this is a violation of O. Reg. 347. On July 29, 2004, Mr. Tapp reported that

cover material had been applied since the inspection.

2.6 WASTE BURNING:

There was evidence of waste burning at the site. A gravel pad was extended into a marsh and used as the burn area. Evidence of burnt brush, cardboard, cans and a drum were observed.

2.7 GROUNDWATER/SURFACEWATER IMPACT:

There is evidence that the water in the marsh is being impacted by the materials that were burnt.

2.8 LEACHATE CONTROL SYSTEM:

The site controls leachate generated in the cell by pumping the leachate onto the ground and allowing the water to seep into the ground or evaporate. There is no visual evidence of off-site impacts.

2.9 METHANE GAS CONTROL SYSTEM:

The site is not equipped with a methane gas control system.

2.10 OTHER WASTES:

The site receives aluminium cans and news print for recycling. Roofing shingles and construction debris are also received at the site. The shingles are piled at the north end of the facility and will be used as landfill cover.

3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES

There are no remaining previous non-compliance issues.

4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate ?

No

Specifics:

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material ?

No

Specifics:

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment ?

Yes

Specifics: Waste shall be deposited in an orderly manner in the fill area, compacted adequately and covered by cover material by a proper landfilling operation. O. Reg 347 S. 11(13).

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material ?

Yes

Specifics: There is visible evidence that a marsh on site was impacted by a burn area and possibly leachate. The extent of the impact can only be confirmed by analysis. Where there is a possibility of water pollution resulting from the operation of a landfilling site, samples shall be taken and tests made by the owner of the site to measure the extent of egress of contaminants and, if necessary, measures shall be taken for the collection and treatment of contaminants and for the prevention of water pollution. O. Reg 347 S. 11(7).


5.0 ACTION(S) REQUIRED

The Municipality shall ensure that there is adequate cover material on the waste to control rodents or other animals at the site. The Municipality shall have the water in the on-site marsh analyzed to determine the impact of the landfilling activities. The independent laboratory analysis shall be provided to the undersigned by September 24, 2004.

6.0 OTHER INSPECTION FINDINGS

Municipality personnel are determining if this landfilling site should be closed and the waste diverted to another site owned by the Municipality. A closure plan would be required for the Limerick Road Landfill (Mosa Landfill) should it be determined that the site closure is the best option.

7.0 INCIDENT REPORT

Applicable
7335-63DJYC 

8.0 ATTACHMENTS

**PREPARED BY:
Environmental Officer:**

Name: Bob Slivar
District Office: London District Office
Date: 2004/07/30
Signature



**REVIEWED BY:
District Supervisor:**

Name: Patrick Spezowka
District Office: London District Office
Date: 2004/07/30

Signature:



File Storage Number: MI SM C3 250

Note:

"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements"