



# Solid Non-Hazardous Waste Disposal Site Inspection Report

Ministry of the  
**Environment**

<b>Client:</b>	The Corporation of the Municipality of Southwest Middlesex Mailing Address: PO Box 218, 153 McKellar Street, Glencoe, Ontario, Canada, N0L 1M0 Physical Address: 153 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 #: 2308-4XUQEP, Client Type: Municipal Government,		
<b>Inspection Site Address:</b>	Trillium Drive Landfill Site (Ekfrid Landfill) Address: 3945 Trillium Drive, Concession: , Plan: , Southwest Middlesex, Municipality, County of Middlesex, N0L 1M0 District Office: London - District GeoReference: .		
<b>Contact Name:</b>	Rod Tapp	<b>Title:</b>	Public Works Manager
<b>Contact Telephone:</b>	(519)287-2015 ext	<b>Contact Fax:</b>	(519)287-2359
<b>Last Inspection Date:</b>	2000/03/31		
<b>Inspection Start Date:</b>	2004/12/14	<b>Inspection Finish Date:</b>	2004/12/14
<b>Region:</b>	Southwestern		

## 1.0 INTRODUCTION

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

The Trillium Road Landfill (Ekfrid Landfill) receives municipal, industrial and commercial wastes from the Municipality of Southwest Middlesex. Signs are posted at the entrance of the landfill indicating the hours of operation, acceptable waste types and tipping fees.

## 2.0 INSPECTION OBSERVATIONS

### Certificate of Approval Number(s):

A041403

### 2.1 FINANCIAL ASSURANCE:

Financial assurance is not required for this landfill.

### 2.2 APPROVED AREA OF THE SITE:

The footprint of the cell currently being filled is clearly identifiable. The footprint of previous landfilling activities is not as well defined.

### 2.3 APPROVED CAPACITY:

There is no approved capacity on the Approval.

### 2.4 ACCESS CONTROL:

The site is gated, locked and supervised when opened to the public.

### 2.5 COVER MATERIAL:

There are no requirements for cover material on the Approval. Mr. Tapp reported that the waste is covered within 24 hours during the summer and less frequently during the winter. At the time of the inspection the waste was not covered, however there were no signs of litter being wind swept from the cell.

**2.6 WASTE BURNING:**

The Municipality burns clean wood and brush when required. The local fire department is notified when burning occurs.

**2.7 GROUNDWATER/SURFACEWATER IMPACT:**

At the time of the inspection the landfill was snow covered. Leachate weeps or springs were not noticed. During the March 31, 2000 inspection leachate was observed seeping from the east side and northeast corner of the landfill. There are no monitoring wells within the confines of the landfill. Any water that accumulates in the active cell as a result of precipitation or snow melt is pumped from the cell to the surface and is allowed to evaporate and/or percolate into the soil. A more environmentally sound method of leachate disposal should be investigated and instituted by the Municipality.

**2.8 LEACHATE CONTROL SYSTEM:**

This landfill does not have a leachate control system.

**2.9 METHANE GAS CONTROL SYSTEM:**

This landfill does not have a methane control system.

**2.10 OTHER WASTES:**

The Municipality receives used tires at this facility and sends the tires to a tire recycler when there is a sufficient volume collected on site. The Municipality is aware that storing over 5000 tires on site requires a Certificate of Approval. At the time of the inspection there were approximately 100 tires on site. The Municipality also receives shingles which are used for landfill cover, concrete which is ground and used as road base and Freon free tagged appliances which are recycled for the metal content. Garden and yard waste is also accepted at the landfill for composting.

**3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES**

The following issues had been taken verbatim from the March 31, 2000 inspection, the bold comments are from this inspection.

Litter must be retrieved from adjacent properties immediately. **At the time of this inspection there was no litter on or off site.**

The leachate seeps must be stopped. These seeps have the potential to migrate to and contaminate the stream that runs through the landfill. Measures must be taken to minimize the likelihood of reoccurrence of seeps. This could involve recapping and/or grading some areas on top of the landfill to minimize infiltration of surface water. **As stated before leachate seeps were not observed during this inspection, perhaps due to the snow cover. It is recommended that the Municipality institute a formal documented inspection program to inspect the landfill for leachate seeps.**

Adequate cover must be applied at a frequency sufficient to prevent problems such as rodent/vector/birds or litter. **At the time of the inspection there was one load of waste that had no cover, all other areas had sufficient cover to reduce litter generation, and problems from rodents/vectors/birds.**

It is recommended that the municipality update the July 1982 site development plan to show where the wastes have been, and will be deposited. This plan should include the depth and height of existing and planned filling. **A letter to the Ministry dated June 12, 2000 signed by Ms. Janneke Newitt, indicated that the 1982 plan was to be updated by the Ekfrid Township and that any further updates would be left to the Council for the Township of Southwest Middlesex. Mr. Tapp informed me that the Municipality has hired a consultant to evaluate all landfilling activities in the Municipality and provide a plan for landfilling waste to Council at the next meeting.**

**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 ?**

No

**Specifics:**

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

Yes

**Specifics:** Leachate and precipitation is pumped directly from the working face of the landfill onto the ground, which may cause ground or surface water impairment. 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

It is recommended that the Municipality institute a formal inspection program for this landfill. The inspection should include inspecting for leachate seeps and documenting the inspections observations. A more environmentally sound method of leachate disposal should be investigated and instituted by the Municipality. The Municipality should also continue to investigate the landfilling requirement that will be required in the future, such as landfill expansion or the construction of a new landfill.

## 6.0 OTHER INSPECTION FINDINGS

There were no other inspection findings.

## 7.0 INCIDENT REPORT

Not Applicable

## 8.0 ATTACHMENTS

### PREPARED BY: Environmental Officer:

Name:

Bob Slivar

District Office:

London District Office

Date:

2004/12/16

Signature



### REVIEWED BY: District Supervisor:

Name:

Bruce W Hawkins

District Office:

Southwestern Region

Date:

2004/12/17

Solid Non-Hazardous Waste Disposal Site Inspection Rep

Signature:

A handwritten signature in black ink, appearing to be 'R. Smith', written in a cursive style.

File Storage Number: MI SM R1 610

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"**