



Solid Non-Hazardous Waste Disposal Site Inspection Report

Client:	The Corporation of the Municipality of Southwest Middlesex Mailing Address: 153 McKellar St, Post Office Box, 218, Glencoe, Ontario, Canada, N0L 1M0 Physical Address: 153 McKellar St, Southwest Middlesex, Municipality, County of Middlesex, Ontario, Canada, N0L 1M0 Telephone: (519)287-2015, FAX: (519)287-2359, email: jfrancisco@southwestmiddlesex.ca Client #: 2308-4XUQEP, Client Type: Municipal Government, NAICS: 913910		
Inspection Site Address:	Limerick Road Landfill (Mosa Landfill) Address: Lot: 23, Concession: 3, Geographic Township: MOSA, 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, , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: 42.6661, Longitude: -81.8336		
Contact Name:	Jaime Francisco	Title:	Public Works Manager
Contact Telephone:	519-287-2015 ext	Contact Fax:	
Last Inspection Date:	2010/09/30		
Inspection Start Date:	2014/10/01	Inspection Finish Date:	2014/10/31
Region:	Southwestern		

1.0 INTRODUCTION

On October 1, 2014 Ministry of the Environment and Climate Change Provincial Officer, Pawel Kucharski, commenced a solid non-hazardous waste disposal site inspection of Limerick Road Landfill located on Lot 23, Concession 3, in the Mosa Township of the Municipality of Southwest Middlesex. This inspection was conducted as part of the Ministry of the Environment's London District Office 2013-14 Planned Inspection Program, to assess compliance with the requirements of the Environmental Protection Act, the Ontario Water Resources Act, Regulation 347 (Waste), Certificate of Approval #A041902, and all other applicable Ministry of the Environment policies and guidelines. Mr. Mike Sholdice, site supervisor, from the Municipality of Southwest Middlesex was present during the inspection.

Inspection Note: Changes to the Environmental Protection Act effective in November of 2011 have resulted in Certificates of Approval now being referred to as Environmental Compliance Approvals. This Inspection Report form has not been updated to reflect this change.

2.0 INSPECTION OBSERVATIONS

Certificate of Approval Number(s):
A041902

Environmental Compliance Approval number A041902 was issued on August 28, 1980 and approved a 6 hectare (15 acre) waste disposal site in accordance with the application and supporting information forms. The approval was issued

originally in 1971 and renewed each year until 1980. After 1980 no renewals were required.

The site is currently approved to receive domestic and non-hazardous solid industrial waste

There are two conditions on the approval. The first is the requirement to register the approval on title. The second is that the burning of domestic waste at this site is to be discontinued immediately (as of August 28, 1980)

2.1 FINANCIAL ASSURANCE:

Specifics:

Financial assurance requirements do not apply to Limerick Road Landfill.

2.2 APPROVED AREA OF THE SITE:

Specifics:

Limerick Road Landfill is a 6 hectare (15 acre) site surrounded by agricultural and natural areas. The landfill footprint is not defined in the approval and it is difficult to determine where previous filling has taken place. The active cell which is being filled is identifiable just south upon entering the landfill. Previous landfill activities which have occurred are generally known by the site supervisor.

2.3 APPROVED CAPACITY:

Specifics:

There is no approved capacity listed in the approval. The remaining capacity at the landfill is currently unknown. There is an active recycling program and it serves a limited rural portion of the Municipality and former Zone Township of Chatham-Kent.

The 2004 document commissioned on behalf of the municipality entitled "An Outline of a Strategic Plan for the development of Waste Management Facilities" (later referred to as the Strategic Plan) does not estimate the amount of waste deposited at the site or the remaining site capacity. The Strategic Plan does make a number of recommendations related to site closure.

2.4 ACCESS CONTROL:

Specifics:

During the inspection the landfill was observed to have a secure entrance. During the hours of operation the site is supervised by an employee of the County. There are signs posted at the entrance which includes hours of operation, approved wastes, unapproved wastes, and tipping fees.

2.5 COVER MATERIAL:

Specifics:

There are no specific requirements for cover material identified on the approval. On the day of the inspection, the area being used for waste tipping was relatively small and orderly with soil coverage on the access ramp. Applying cover material at the tipping face does not appear to be an operational practice at this site. Given the heavily vegetated area surrounding the active landfill area there was little to no off-site litter observed. During the inspection there were multiple rodents observed moving about the active landfill area.

2.6 WASTE BURNING:

Specifics:

At the time of the inspection there was a burn area observed North upon entering the landfill in an area compacted by vehicle traffic. The burn area had metal parts from what is believed to be a mattress or bedspring along with legs from a table. This suggests that things other than clean wood are burned on-site. The site operator also indicated that sometimes things other than clean wood are added to the burn pile to help burn green wood. During the inspection there was also a bed noted to be laying near the burn area with the clean wood pile. Also in the area there were multiple containers of what appeared to be used oil.

As a result of the findings it is the opinion of the undersigned provincial officer that Limerick road landfill did not meet its requirements for burning of clean wood and brush. Burning at Limerick Landfill shall not

include any Municipal waste as defined by Regulation 347.

municipal waste" means,

(a) any waste, whether or not it is owned, controlled or managed by a municipality, except,

(i) hazardous waste,

(ii) liquid industrial waste, or

(iii) gaseous waste, and

(b) solid fuel, whether or not it is waste, that is derived in whole or in part from the waste included in clause (a);

The Municipality of Southwest Middlesex shall develop a burning procedure, in writing, that shall be implemented at the municipal landfills by no later than November 28, 2014. A copy of this procedure shall be forwarded to the author of this report no later than the above date.

2.7 GROUNDWATER/SURFACEWATER IMPACT:

Specifics:

During the inspection, no obvious groundwater or surface water impacts were noted. There are no known monitoring wells within the landfill boundary. At the time of the inspection, the property boundary was walked in its entirety. Along Coltsfoot Drive, at approximately the middle of the property, there appeared to be a drainage outlet coming from the landfill property. Conditions at the time of the inspection did not allow for a through inspection of drainage on the property.

In 1981, the Ministry of the Environment conducted a preliminary hydrogeological assessment of the site. The report indicated that at that time the landfill operation was occurring in the north west corner of the landfill site. Three minor concerns were identified in the Discussion section of the report. The report indicated that the water table was shallow in the area of the landfill and that waste was likely contaminating the shallow aquifer but concluded that the threat to groundwater contamination in the bedrock was remote. The report noted that there was "domestic" well in the south east corner of the site associated with a "residence" used by the landfill operator and that the water quality in this well should be examined. The report also indicated that there was some potential for contamination to Fansher Creek from the landfill operation from two pipes which appear to drain the northern portion of the landfill. Limited sampling at that time did not reveal any water quality impacts to the creek.

2.8 LEACHATE CONTROL SYSTEM:

Specifics:

There are no leachate control measures in place for Limerick Road Landfill. During the inspection, there was a small pool of leachate observed at the bottom of the working face. The site operator indicated that occasionally the leachate will be pumped to the forested area Southeast of the working face.

2.9 METHANE GAS CONTROL SYSTEM:

Specifics:

There are no methane gas control requirements or controls for Limerick Road Landfill.

2.10 OTHER WASTES:

Specifics:

ECA number A041902 approved the site to receive domestic, and non-hazardous solid industrial wastes. The municipality also operates recycling and composting programs at the site. Construction and demolition wastes are taken at the site some of which are segregated.

During the inspection there were approximately ten (10) containers observed in close proximity to the burn area which appeared to be storing used oil. It is the opinion of the undersigned provincial officer that the suspected used oil is not classified as non-hazardous solid waste, therefore cannot be accepted at the landfill. Five (5) Containers were observed to be stored in an old tub and were partially covered. Some of the oil was observed to have spilled inside the tub. Three (3) containers were observed to be standing on the ground with significant spillage surrounding them. Lastly, two (2) containers were observed to be in a grassy overgrown area.

The Municipality of Southwest Middlesex shall immediately stop taking unapproved wastes at the landfill

sites. A company approved to move subject waste shall be retained to collect the containers and have them disposed of at a facility approved to receive subject waste. The impacted soil from the spill and the containers stored on-site shall be disposed of by no later than November 14, 2014. Documentation that the wastes were moved by an approved hauler and that it when to an approved waste site shall be provided to the undersigned provincial officer by no later than the above date.

3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES

Previous inspections of Limerick Road Landfill were reviewed as part of this inspection. These inspections made many recommendations for improved landfill operation with no compliance issues identified.

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:

As a result of the findings of this inspection, it is the opinion of the undersigned provincial officer, Limerick Road Landfill did not meet its requirements for burning of clean wood and brush. Burning at Limerick Landfill shall not include any Municipal waste as defined by Regulation 347.

municipal waste" means,

(a) any waste, whether or not it is owned, controlled or managed by a municipality, except,

(i) hazardous waste,

(ii) liquid industrial waste, or

(iii) gaseous waste, and

(b) solid fuel, whether or not it is waste, that is derived in whole or in part from the waste included in clause (a);

During the inspection there were approximately ten (10) containers observed in close proximity to the burn area which appeared to be have for storing used oil. It is the opinion of the undersigned provincial officer that the suspected used oil is not classified as non-hazardous solid waste, therefore cannot be accepted at the landfill. Five (5) Containers were observed to be stored in an old tub and were partially covered. Some of the oil was observed to have spilled inside the tub. Three (3) containers were observed to be standing on the ground with significant spillage surrounding them. Lastly, two (2) containers were observed to be in a grassy overgrown area.

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

No

Specifics:

Was there any indication of minor administrative non-compliance?

No

Specifics:

5.0 ACTION(S) REQUIRED

As a result of the findings of this inspection report the following actions are required:

1) The Municipality of Southwest Middlesex shall develop a burning procedure, in writing, that shall be implemented at the municipal landfills by no later than November 28, 2014. A copy of this procedure shall be forwarded to the author of this report no later than the above date.

2) The Municipality of Southwest Middlesex shall immediately stop taking unapproved wastes at the landfill sites. A company approved to move subject waste shall be retained to collect the containers and have them disposed of at a facility approved to receive subject waste. The impacted soil from the spill and the containers stored on-site shall be disposed of by no later than November 14, 2014. Documentation that the wastes were moved by an approved hauler and that it when to an approved waste site shall be provided to the undersigned provincial officer by no later than the above date.

1. The Municipality of Southwest Middlesex shall develop a burning procedure, in writing, that shall be implemented at the municipal landfills by no later than November 28, 2014. A copy of this procedure shall be forwarded to the author of this report no later than the above date.
2. The Municipality of Southwest Middlesex shall immediately stop taking unapproved wastes at the landfill sites. A company approved to move subject waste shall be retained to collect the containers and have them disposed of at a facility approved to receive subject waste. The impacted soil from the spill and the containers stored on-site shall be disposed of by no later than November 14, 2014. Documentation that the wastes were moved by an approved hauler and that it when to an approved waste site shall be provided to the undersigned provincial officer by no later than the above date.

6.0 OTHER INSPECTION FINDINGS

N/A

7.0 INCIDENT REPORT

Applicable
8047-9QBQX8 



8.0 ATTACHMENTS

PREPARED BY:
Environmental Officer:
Name:
District Office:
Date:
Signature

Pawel Kucharski
London District Office
2014/10/29



REVIEWED BY:
District Supervisor:

Name: Jason Lehouillier
District Office: London District Office
Date: 2014/10/31

Signature:

A handwritten signature in black ink that reads "Jason Lehouillier". The signature is written in a cursive style with a large, looping initial 'J'.

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"