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Municipality of  
Huron Shores

Ministry of the Environment and Climate Change  
Ministère de l'Environnement et de l'Action en  
matière de changement climatique

## Solid Non-Hazardous Waste Disposal Site Inspection Report

<b>Client:</b>	The Corporation of The Municipality of Huron Shores, Business/Facility Name: Municipality of Huron Shores Mailing Address: P.O. Box 460, 7 Bridge Street, Iron Bridge, Huron Shores, Ontario, Canada, P0R 1H0 Physical Address: 7 Bridge St Iron Bridge, Huron Shores, Municipality, District of Algoma, Ontario, Canada, P0R 1H0 Telephone: (705)843-2033, FAX: (705)843-2035 Client #: 1685-5PGS6G, Client Type: Municipal Government Additional Address Info: Iron Bridge		
<b>Inspection Site Address:</b>	Iron Bridge Landfill Address: Lot: Part North 1/2 Lot 6, Concession: 3, Gladstone Township, Geographic Township: GLADSTONE, Huron Shores, Municipality, District of Algoma District Office: Sault Ste. Marie LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: 46.2962, Longitude: -83.2573 Site #: 9134-7D9KW7		
<b>Contact Name:</b>	Deborah Tonelli	<b>Title:</b>	Clerk Administrator
<b>Contact Telephone:</b>	705-843-2033 ext	<b>Contact Fax:</b>	705-843-2035
<b>Last Inspection Date:</b>	2011/09/13		
<b>Inspection Start Date:</b>	2015/06/02	<b>Inspection Finish Date:</b>	2015/06/29
<b>Region:</b>	Northern		

### 1.0 INTRODUCTION

The purpose of this inspection was to assess the Village of Iron Bridge (Ward 3) Waste Disposal Site for compliance with specific operational conditions under Environmental Compliance Approval (formerly known as Certificate of Approval or CofA) Waste Disposal Site No. A7059701 and the basic operating standards for landfill sites as contained in Ontario Regulation 347 and the Environmental Protection Act. The inspection included a field visit to view landfill operations, and a subsequent discussion with Harry Hadikin - Public Works Superintendent, regarding operational practices. A file review was conducted prior to the inspection.

The Village of Iron Bridge Site is one of four disposal sites overseen by the Municipality of Huron Shores. The site has been open since the early 1970s and serves a population of approximately 1600 residents. The site currently operates under ECA - Waste Disposal Site No. A7059701 issued on March 25, 1980. The Environmental Compliance Approval allows for the disposal of domestic and commercial waste within a 60 hectare total landfilling site.

### 2.0 INSPECTION OBSERVATIONS

**Certificate of Approval Number(s):**  
No. A7059701 issued on March 25, 1980.

A letter was sent to MOECC Environmental Approvals Branch on April 16, 2012, providing notification of a name change due to the amalgamation of the Corporation of the Village of Iron Bridge, The Corporation of the Township of Thessalon, The Corporation of the Townships of Day and Bright Additional and the Corporation of the Township of

Thompson to form the Corporation of the Municipality of Huron Shores.

## 2.1 FINANCIAL ASSURANCE:

### Specifics:

There is no record of financial assurance for this site.

## 2.2 APPROVED AREA OF THE SITE:

### Specifics:

The site is approved for the use and operation of a total site area of 60 hectares. An active landfilling area is not specified in the ECA.

## 2.3 APPROVED CAPACITY:

### Specifics:

There is no capacity listed in the ECA. The site is approved for the use and operation of a 60 hectare total area landfilling site.

## 2.4 ACCESS CONTROL:

### Specifics:

Access to the site is controlled by a locked gate. When open, the site is supervised by a municipal employee. The hours of operation for the site are from 4:00 pm to 8:00 pm on Monday and Wednesday, and 9:00 am to 5:00 pm on Saturday. During the winter period (November 1 to March 31) the site is open from 2:00 pm to 6:00 pm on Monday and Wednesday, and 9:00 am to 5:00 pm on Saturday. The site operating hours are posted at the entrance gate.



## 2.5 COVER MATERIAL:

### Specifics:

The landfill is using the trench and area fill methods of disposal. The established trenches are long (approx 100 meters) and 10 meters wide and waste is not being compacted and covered on a regular basis, as demonstrated by the quantity of waste in the trenches and sprawled litter at the landfill site.

The water table at the site is relatively high which causes water to pool and also flow through the excavated trenches. The trenches are open ended and the water flows to ditching established around the landfill site. This ditching appears to be discharging to a small stream located along the eastern boundary of the landfill. This is not an acceptable practice and therefore the municipality must re-evaluate the trench method of landfilling used at this site.

Trench designated for plastics and shingles



Trench designated for household waste







The fill area appeared to have been covered recently, however significant areas of exposed waste remains. This area is located adjacent to a small creek.

Area fill of larger (construction and demolition) waste items





## 2.6 WASTE BURNING:

### Specifics:

Clean wood and brush are segregated to two trenches at the site. At the time of inspection other waste such as steel, paper, cardboard and plastics were observed mixed with the wood waste. The Municipality may want to consider having better control of the waste entering the landfill by restricting access to the site on days of operation only.



## 2.7 GROUNDWATER/SURFACEWATER IMPACT:

### Specifics:

As described in Section 2.5 groundwater and surface water are impacted on site and likely offsite by landfill leachate.

A thorough hydrogeological and surface water investigation must be undertaken to determine the extent of leachate impact.

**A Field Alert will be created which will bring the site ECA up to current standards in accordance with the Environmental Protection Act and Ontario Regulation 347. This process will also require an overall site Design and Operations Plan which will outline the site's current and future development, final site closure requirements along with other related information A hydrogeological and surface water assessment of the site will also be required.**

## 2.8 LEACHATE CONTROL SYSTEM:

### Specifics:

There is no leachate control system at the site.

## 2.9 METHANE GAS CONTROL SYSTEM:

### Specifics:



There is no methane gas control system at the site.

2.10 OTHER WASTES:

Specifics:

- Recycling bins for plastics, aluminium, metals, glass, cardboard are located at the landfill. These are managed by the Municipal Waste Recycling Company (MWRC) based in Blind River.
- A designated pile for metals (including white goods) is established at the landfill site. Refrigerators are accepted at the site but must be professionally drained and tagged. **The metals pile is becoming large for the size of the landfill and thus removal of metals should be undertaken in the near future.** The company currently contracted to remove the metal has not been doing so on a regular basis, and therefore the municipality is looking to hire a new scrap metal contractor.



- Electronic waste (Ewaste) is accepted at the landfill site under the Ontario Stewardship Program and is removed from the site on a regular basis by Green For Life.
- Tire collection through the Ontario Tire Stewardship program has been established at the site.



- Batteries are collected on site and disposed through RMC Recyclers



- Area designated for the disposal of ashes



### 3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES

Non-compliance identified in the prior inspection conducted by MOECC Sector Compliance Branch dealing with name change has been addressed.

### 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 ?**

Yes

**Specifics:**

Landfill leachate impacting groundwater and surface water on site and likely off site

**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:**

Was there any indication of minor administrative non-compliance?

Yes

Specifics:

Burning of non-woodwaste items.

**5.0 ACTION(S) REQUIRED**

The following actions are required by the Municipality of Huron Shores in order to achieve compliance with ECA #A7059701, in addition to, improving the operation and maintenance of the Iron Bridge (Ward 3) landfill site.

1. Compact and cover waste more frequently at trenches and fill area.
2. Ensure only clean woodwaste is disposed or burnt at the designated woodwaste trenches.
3. Re-evaluate the use of trenches as a disposal method at this location.
4. A Field Alert will be create which will require the Municipality to produce a Design and Operation Report, as well as conduct a groundwater and surface water assessment of the site.

Please provide written notification (by post or email), including information on your intended course of action to address the issues listed in Section 5.0 above.

Please send your notification to:

Ron Dorscht (Supervisor)  
 Ministry of the Environment and Climate Change  
 70 Foster Driver, Suite 110  
 Sault Ste Marie, ON P6A 6V4  
 or  
[ron.dorscht@ontario.c](mailto:ron.dorscht@ontario.c)

**6.0 OTHER INSPECTION FINDINGS**

The drying trenches located on site are operated and maintained by Four Seasons Septic under Waste Management ECA 920030 - Schedule C SSM99002. The owner is currently applying for a ECA renewal as it was recently identified that the Schedule C approval had expired in 2008. There were no immediate concerns associated with the drying trenches at the time inspection.



**7.0 INCIDENT REPORT**

Applicable

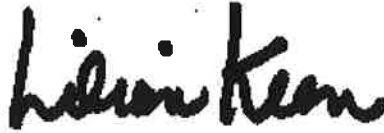


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**8.0 ATTACHMENTS**

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

Lilian Keen  
Sault Ste. Marie Area Office  
2015/06/29



**REVIEWED BY:**  
**District Supervisor:**  
**Name:**  
**District Office:**  
**Date:**

Ron Dorscht  
Sault Ste. Marie Area Office  
2015/06/30

**Signature:**



**File Storage Number:** SI AL HS C3 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"

