

ESSEX-WINDSOR SOLID WASTE AUTHORITY

2009 ANNUAL REPORT

ESSEX-WINDSOR PUBLIC DROP OFF DEPOT



MUNICIPAL HAZARDOUS OR SPECIAL WASTE
(MHSW) DEPOT



YARD WASTE DROP OFF DEPOT

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SPECIAL WASTE (MHSW) DEPOT & YARD WASTE DROP OFF SITE

1. INTRODUCTION

The Essex-Windsor Public Drop Off Facility, Municipal Hazardous or Special Waste Depot and Yard Waste Drop Off area are located at 3560 North Service Road East in the City of Windsor.

The Site is operated by the Essex-Windsor Solid Waste Authority under an agreement between the County of Essex and the City of Windsor. Staff of the Authority and the City of Windsor administers the operations of the Site.

1.1 CERTIFICATE OF APPROVAL

The site is operated under Provisional Certificate of Approval No. A/010137, October 23rd, 1990. The Provisional Certificate of Approval No. A/010137 has been amended January 29th, 1991, January 24th, 1992, February 13th, 1995, May 4th, 1998 and January 29th, 2004.

1.2 PURPOSE

The purpose of this report is to fulfill Condition 29 on the Certificate of Approval for the Site. Condition 29 requires the preparation and submission of an annual report within 3 months of the end of the calendar year. This report contains comprehensive information on the operations of the Site during 2009.

1.3 COMPLIANCE

With the commencement of the MHSW Stewardship Program on July 1, 2008, it was noted that two waste material types being received by the Authority from the public under the MHSW program were not listed on the Certificate of Approval. An application was made to the Ministry of Environment to amend the Certificate of Approval to add the two waste material types. Approval of the amendment was granted.

2. WASTE QUANTITIES AND TYPES

A total of 12,296 tonnes of waste and other materials were brought into the facilities in 2009. The waste quantities and types are shown in Table 1.

TABLE 1: PUBLIC DROP OFF DEPOT MATERIAL TYPES

Material Type	2009		Traffic	
	Tonnes	% of Total		
Res. Del'd Refuse	3,261.29	26.5%	31,687	46.0%
Res. Del'd Construction/Demo	612.17	5.0%	4,077	5.9%
Res. Del'd Shingles	1.20	0.0%	8	0.0%
ICI Del'd Refuse to PDD	2,911.94	23.7%	9,815	14.2%
ICI Del'd Construction/Demo	59.69	0.5%	172	0.2%
ICI Del'd Shingles	16.88	0.1%	12	0.0%
Res. Del'd Recyclables	1,231.27	10.0%	20,371	29.6%
White Goods & Refrigerants	59.57	0.5%	539	0.8%
Metal	30.63	0.2%	278	0.4%
HCW	201.22	1.6%	293	0.4%
Electronics Recycling	70.79	0.6%	828	1.2%
Yard Waste	3,738.24	30.4%	607	0.9%
Tires	100.90	0.8%	213	0.3%
	12,295.79	100.0%	68,900	100.0%

The daily average tonnage over the year was about 56 tonnes. This is below the Ministry of the Environment limit of 100 tonnes per day as contained in the Site's Certificate of Approval. The site was not operated during a 15 week strike beginning April 15th, 2009 and ending July 24th, 2009.

3. MUNICIPAL HAZARDOUS OR SPECIAL WASTE DEPOT

The Municipal Hazardous or Special Waste Depot, located adjacent to the Public Drop Off Depot, was open to residential users year round except for the 15 week strike previously noted. The MHSW facility is designed to accommodate the on-site bulking of certain chemical materials. The supply of labour and disposal services for the facility was contracted out to Drain-All Ltd.

During 2009, the Centre received approximately 201,224 litres (197,592 litres in 2008) of household hazardous waste. Over approximately 8 months, this averaged approximately 919 litres per operating day (650 litres per day over 12

months in 2008) which is below the Ministry's amended daily limit of 3,000 litres per day.

Materials such as auto batteries, ethylene glycol (anti-freeze), propane cylinders, waste paint, and motor oil are all recycled. All other waste is sent to licensed hazardous waste facilities.

4. PUBLIC DROP OFF DEPOT

Waste Management of Canada serviced the bins at the Public Drop Off Depot during 2009. The Contractor was required to pick up and empty the fifteen 40 cubic yard containers as they became full or within 10 minutes of being given instruction to do so.

All operations at the Public Drop Off Depot location were negatively impacted by a 15 week strike which began on April 15 and continued until July 24, 2009. During this period all operations on site were shut down. In July, temporary drop off locations were established elsewhere in Windsor and material began to trickle in once again.

YARD WASTE

In 2009 yard waste represented approximately 30% of total tonnes delivered. Yard waste consists of tree trimmings, grass clippings, brush, vegetables and flowers. The material is shredded on site and then hauled to the Composting Site located at the Essex-Windsor Regional Landfill.

RESIDENTIAL YARD WASTE

Beginning in 2008 a per bag fee was put in place for grass loads brought to the yard waste pad in an effort to discourage local residents from bagging grass. All other residential yard waste goes directly to the yard waste pad.

TIRES

C.D.L. Recyclers were contracted by the Authority to pick up tires at the Public Drop Off Depot. In 2009 a total of approximately 100.9 tonnes of tires were received. This is an increase of 79% when compared to the 56.3 tonnes received in 2008. Despite the summer strike, tire tonnages increased as a result of the introduction of the Tire Stewardship program in September 2009. Under the stewardship program, the tire recycling fee assessed by the Authority was discontinued on up to 8 tires thus leading to a significant increase in tire volumes during the latter half of 2009.

SCRAP METAL

The Essex-Windsor Solid Waste Authority provides bins at the Public Drop Off Site for the collection of white goods. White Goods include appliances such as refrigerators, freezers, stoves, washers, dryers, dehumidifiers, dishwashers, trash compactors, and microwaves. Household metal items are also received and include, but are not limited to, hot water tanks, swing sets, metal sinks, barbeques, metal sheds, mowers and bicycles.

During the operation of the site in 2009, there were approximately 59.57 tonnes of white goods brought to the Site. The white goods were picked up from the site by a local contractor and delivered to a scrap metal company for recycling.

Bins have also been supplied by a local scrap dealer for the collection of scrap metal. During the period of operation in 2009, a total of 30.63 tonnes of scrap metal was brought to the depot.

5. INCIDENTS/ACCIDENTS

There were no incidents or accidents during 2009.

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