

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Scheduled Inspection

N602425711

FACILITY: Huron Landfill Corporation		SRN / ID: N6024
LOCATION: 4151 S MCMILLAN RD, BAD AXE		DISTRICT: Saginaw Bay
CITY: BAD AXE		COUNTY: HURON
CONTACT: Peter Miletich , Environmetnal compliance supervisor		ACTIVITY DATE: 06/25/2014
STAFF: Gina McCann	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT:		
RESOLVED COMPLAINTS:		

I (glm) conducted an unannounced inspection at the Huron Landfill Corp (SRN-N6024) facility near Bad Axe, MI. Huron is a Type II municipal solid waste landfill which is owned and operated by Emterra Environmental USA. I was accompanied by Sharon Leblanc, MDEQ-AQD. Ms. Leblanc reviewed asbestos records and provided literature on asbestos management. No violations of air quality regulations were found during my inspection.

As I approached the landfill no objectionable odors were observed.

I met with John Walker, Operations Manager, and Peter Miletich, Environmental Compliance Officer from Huron Landfill Corp. Mr. Walker provided disposal records, which are kept by county and monthly totals. The facility accepts waste from Canada, Huron, Tuscola, Sanilac, and Lapeer counties. Attached are the monthly records for 2013. November 2013 had the largest volume taken in at 7,921.47 ton.

Land GEM is used to calculate emissions for MAERS. Huron is considered a minor source and the emissions reported can be found at [http://www.deq.state.mi.us/maers/emissions\\_query.asp](http://www.deq.state.mi.us/maers/emissions_query.asp).

The facility purchased a 3000 gallon water truck in 2009. The increased water volume allows for a more thorough application on roads, entrances, and exits. According to records review of emissions for the last five years, particulate emissions have declined. Likely factors for the decline are a decrease in accepted waste as well as the increased water application from the recently purchased water truck. I reviewed records for water application and depending on the daily activity the haul roads are watered up to four and five times per day.

Based on file review the "initial design capacity" report submitted on 4/22/2008 showed the site capacity is currently less than 2.5 million megagrams or 2.5 million cubic meters. According to the most recent design report from Golder and Associates submitted in 2010 the design capacity was approximately 2.3 million m<sup>3</sup> (MM). The site has tested and reported NMOC emissions of less than 50 megagrams/year for multiple years. Once a site has submitted an acceptable design capacity report of less than 2.5 MM it is not considered subject to 40 CFR Part 60 Subpart WWW.

At the time of my inspection the facility had adequate records for tracking the origin of and disposal location in the landfill for any accepted asbestos waste (Lat/Lon + elevation).

Mr. Miletich, Ms. Leblanc and I toured the facility maintenance garage and solar flares. According to the last inspection report the facility had a waste oil burner on site in their maintenance garage for comfort heating, but has since removed. Waste oil generated on site is now handled by Safety Kleen. We viewed an aqueous part cleaner and discussed that a permit is not needed for this equipment.

We then viewed the solar flares. The site has two Landfill Service Corp., solar flares located in Cells F and E. According to the service manual the flares continually try to ignite as indicated by the *tick* sound spaced at approximate one second intervals. The manual also states, "clearly visible waves of exiting gas usually indicate sufficient flow and pressure." The flare will ignite when the gas quality is between 30% and 80% methane, gas flow is at a rate of 2 to 90 cfm, and the inlet pressure is between 0.5-5 "W.C. At the time of my inspection neither flare was lit. The flare in Cell E sounded like it was trying to ignite, but the conditions were likely not optimal. The flare in Cell F did not sound like it was trying to ignite and Mr. Miletich had asked maintenance staff to change the igniter. The equipment is checked daily for issues and evaluated for repairs. Staff makes repairs when they are able though sometimes an outside vendor is required. Records for repairs were available.

At the time of my inspection Huron Landfill, Corp. was in compliance with air quality regulations.

CC: Sharon Leblanc, DEQ-AQD (electronic)

NAME: Wendy L. McCann

DATE 6/30/2014

SUPERVISOR C. Stone

*JMM*  
*6/25/14*

JANUARY	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	1/4/2013	23.17	7.72	916.02	923.74
	1/11/2013	43.67	14.56	1,739.34	1,753.90
	1/18/2013	39.10	13.03	1,386.13	1,399.16
	1/25/2013	17.50	5.83	1,102.81	1,108.64
	1/31/2013	27.46	9.15	1,031.95	1,041.10
		<b>150.90</b>	<b>50.30</b>	<b>6,176.25</b>	<b>6,226.55</b>

AIR SPACE BURN  
\$ 2.00/TON 12,453.10

FEBRUARY	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	2/8/2013	28.87	9.62	1,523.48	1,533.10
	2/15/2013	29.73	9.91	1,729.23	1,739.14
	2/22/2013	9.20	3.07	1,470.14	1,473.21
	2/28/2013	40.67	13.56	1,352.37	1,365.93
		<b>108.47</b>	<b>36.16</b>	<b>6,075.22</b>	<b>6,111.38</b>

AIR SPACE BURN  
\$ 2.00/TON 12,222.75

MARCH	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	3/8/2013	42.43	14.14	2,273.90	2,288.04
	3/15/2013	16.86	5.62	1,576.46	1,582.08
	3/22/2013	19.00	6.33	1,338.71	1,345.04
	3/31/2013	63.54	21.18	1,626.78	1,647.96
			0.00		0.00
		<b>141.83</b>	<b>47.28</b>	<b>6,815.85</b>	<b>6,863.13</b>

AIR SPACE BURN  
\$ 2.00/TON 13,726.25

AIR SPACE BURN				<b>38,402.11</b>
YDS / TONS	<b>401.20</b>	<b>133.73</b>	<b>19,067.32</b>	
QUARTERLY TONS				<b>19,201.05</b>

APRIL	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	4/5/2013	38.97	12.99	1,305.98	1,318.97
	4/12/2013	23.97	7.99	1,309.55	1,317.54
	4/19/2013	33.93	11.31	1,411.17	1,422.48
	4/30/2013	82.03	27.34	2,287.30	2,314.64
			0.00		0.00
		178.90	59.63	6,314.00	<b>6,373.63</b>

AIR SPACE BURN  
\$ 2.00/TON 12,747.27

MAY	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	5/10/2013	130.42	43.47	2,553.72	2,597.19
	5/17/2013	73.86	24.62	1,618.93	1,643.55
	5/23/2013	40.79	13.60	1,245.09	1,258.69
	5/31/2013	42.10	14.03	1,180.27	1,194.30
			0.00		0.00
		287.17	95.72	6,598.01	<b>6,693.73</b>

AIR SPACE BURN  
\$ 2.00/TON 13,387.47

JUNE	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	6/7/2013	72.73	24.24	1,493.55	1,517.79
	6/14/2013	100.17	33.39	1,218.89	1,252.28
	6/21/2013	324.02	108.01	1,120.83	1,228.84
	6/30/2013	107.27	35.76	1,115.10	1,150.86
			0.00		0.00
		604.19	201.40	4,948.37	<b>5,149.77</b>

AIR SPACE BURN  
\$ 2.00/TON 10,299.53

AIR SPACE BURN  
YDS / TONS 36,434.27  
QUARTERLY TONS 18,217.13

1,070.26 356.75 17,860.38

JULY	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	7/5/2013	78.54	26.18	880.63	906.81
	7/12/2013	83.79	27.93	1,250.00	1,277.93
	7/19/2013	75.21	25.07	1,069.49	1,094.56
	7/31/2013	145.89	48.63	1,794.84	1,843.47
			0.00		0.00
		<u>383.43</u>	<u>127.81</u>	<u>4,994.96</u>	<u>5,122.77</u>

AIR SPACE BURN  
\$ 2.00/TON 10,245.54

AUGUST	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	8/9/2013	105.62	35.21	1,444.10	1,479.31
	8/16/2013	152.47	50.82	1,072.19	1,123.01
	8/23/2013	60.44	20.15	993.54	1,013.69
	8/30/2013	53.33	17.78	1,087.17	1,104.95
			0.00		0.00
		<u>371.86</u>	<u>123.95</u>	<u>4,597.00</u>	<u>4,720.95</u>

AIR SPACE BURN  
\$ 2.00/TON 9,441.91

SEPTEMBER	WEEK	CONVERTED			TOTAL
	END	YARDS	TO TONS	TONS	TONS
	9/6/2013	71.70	23.90	962.84	986.74
	9/13/2013	126.16	42.05	1,162.42	1,204.47
	9/20/2013	131.24	43.75	1,174.29	1,218.04
	9/30/2013	79.47	26.49	1,583.92	1,610.41
			0.00		0.00
		<u>408.57</u>	<u>136.19</u>	<u>4,883.47</u>	<u>5,019.66</u>

AIR SPACE BURN  
\$ 2.00/TON 10,039.32

AIR SPACE BURN				<b>29,726.77</b>
YDS / TONS	<b>1,163.86</b>	<b>387.95</b>	<b>14,475.43</b>	
QUARTERLY TONS				<b>14,863.38</b>

OCTOBER	WEEK	CONVERTED		TOTAL
	END	YARDS	TO TONS	TONS
	10/4/2013	28.94	9.65	1,068.02
	10/11/2013	127.83	42.61	1,661.46
	10/18/2013	82.07	27.36	1,543.82
	10/25/2013	46.93	15.64	1,552.83
	10/31/2013	63.50	21.17	1,176.15
		<u>349.27</u>	<u>116.42</u>	<u>7,002.28</u>
				<b>7,118.70</b>

AIR SPACE BURN  
\$ 2.00/TON 14,237.41

NOVEMBER	WEEK	CONVERTED		TOTAL
	END	YARDS	TO TONS	TONS
	11/8/2013	42.49	14.16	1,975.73
	11/15/2013	45.43	15.14	1,643.84
	11/22/2013	30.80	10.27	2,129.43
	11/30/2013	65.03	21.68	2,111.22
			0.00	0.00
			0.00	0.00
		<u>183.75</u>	<u>61.25</u>	<u>7,860.22</u>
				<b>7,921.47</b>

AIR SPACE BURN  
\$ 2.00/TON 15,842.94

DECEMBER	WEEK	CONVERTED		TOTAL
	END	YARDS	TO TONS	TONS
	12/6/2013	38.74	12.91	1,462.90
	12/13/2013	28.53	9.51	1,387.86
	12/20/2013	22.83	7.61	1,187.93
	12/31/2013	17.63	5.88	1,592.74
			0.00	0.00
		<u>107.73</u>	<u>35.91</u>	<u>5,631.43</u>
				<b>5,667.34</b>

AIR SPACE BURN  
\$ 2.00/TON 11,334.68

AIR SPACE BURN 41,415.03  
YDS / TONS 640.75 213.58 20,493.93  
QUARTERLY TONS 20,707.51