

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : HARLAND SANITARY LANDFILL/MANISTEE COUNTY LANDFILL		SRN : N3634
Location : 3890 CAMP ROAD		District : Cadillac
		County : MANISTEE
City : MANISTEE	State: MI	Zip Code : 49660
Compliance Status :		Compliance
Source Class : MAJOR	Staff : Rob Dickman	
FCE Begin Date : 11/1/2016	FCE Completion Date :	11/21/2017
Comments :		

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
11/14/2017	Rule 912	Compliance	Malfunction of the sulfur treatment system caused H2S gas to be sent directly to the flare in excess of permitted limits (400 ppm post treatment). This malfunction was caused by a power outage. Pursuant to the MAP for the facility, this incident was reported to me via email on 10/30/17. The result of the incident was gas at 17000 PPM H2S and a flow rate of 925 CFM released to the flare and a mass emission of SO2 of 868.8 pounds of SO2 post flare. The facility took prompt action after power was restored. No further action is recommended.
11/03/2017	Scheduled Inspection	Compliance	Scheduled inspection of this major source.
10/24/2017	Rule 912	Compliance	Malfunction of the sulfur treatment system caused H2S gas to be sent directly to the flare in excess of permitted limits (400 ppm post treatment). Pursuant to the MAP for the facility, this incident was reported to me via email on 6/9/17. The result of the incident was gas at 800 PPM H2S and a flow rate of 630 CFM released to the flare and a mass emission of SO2 of 572 pounds of SO2 post flare. The facility took prompt action to correct this malfunction. No further action is recommended.

Activity Date	Activity Type	Compliance Status	Comments
09/20/2017	ROP Other	Compliance	Test Plan for non-methane organic - Tier 2. Protocol appears complete.
08/28/2017	ROP Semi 1 Cert	Compliance	Deviation listed is two failures of the flow rate monitor due to power loss at the facility. Duration of these was a total of seven hours for this time period.
08/28/2017	Rule 912	Compliance	Malfunction of the flare. This was reported via email on 8/15/17. Flare was out of operation about 24 hours. Repairs were timely. Sulfur treatment system was unaffected. No further action is recommended.
06/27/2017	Rule 912	Compliance	Malfunction of the sulfur treatment system caused H2S gas to be sent directly to the flare in excess of permitted limits (400 ppm post treatment). Pursuant to the MAP for the facility, this incident was reported to me via email on 6/9/17. The result of the incident was gas at 800 PPM H2S and a flow rate of 630 CFM released to the flare and a mass emission of SO2 of 572 pounds of SO2 post flare. The facility took prompt action to correct this malfunction. No further action is recommended.
06/07/2017	Rule 912	Compliance	Received two letters regarding this incident. One on 5/23/17 and an amended letter on 6/7/17. Malfunction of the sulfur treatment system caused H2S gas to be sent directly to the flare in excess of permitted limits (400 ppm post treatment). Pursuant to the MAP for the facility, this incident was reported to me via email on 5/15/17. The result of the incident was gas at 11,000 PPM H2S at 925 CFM released to the flare and a mass emission of SO2 of 7.58 tons post flare. The facility took prompt action to report and correct this malfunction. No further action is recommended.
03/15/2017	ROP Annual Cert	Compliance	Annual and Semi Annual in the same document. Deviations listed are numerous failures of the flow rate monitor. Most of these were due to condensation. The facility tried multiple things to combat this problem. No issues due to condensation were noted in the second half of the year.

Activity Date	Activity Type	Compliance Status	Comments
03/15/2017	ROP SEMI 2 CERT	Compliance	Annual and Semi Annual in the same document. Deviation listed is three failures of the flow rate monitor. Duration of these was a total of nine hours for this time period.
03/15/2017	MAERS	Compliance	See MAERS for further Info.
12/08/2016	ROP Other	Compliance	Malfunction of the sulfur treatment system caused H2S gas to be sent directly to the flare in excess of permitted limits (400 ppm post treatment). Pursuant to the MAP for the facility, this incident was reported to me via email on 11/16/16. The result of the incident was gas at 10,000 PPM H2S at 789 CFM released to the flare and a mass emission of SO2 of 0.27 tons post flare. The facility took prompt action to report and correct this malfunction. No further action is recommended.

Name:



Date:

11/21/17

Supervisor:

