

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

<b>Facility :</b> SUMPTER ENERGY ASSOCIATES	<b>SRN :</b> N8004
<b>Location :</b> 36450 29 MILE RD	<b>District :</b> Southeast Michigan
	<b>County :</b> MACOMB
<b>City :</b> LENOX TWP <b>State:</b> MI <b>Zip Code :</b> 48062	<b>Compliance Status :</b> Compliance
<b>Source Class :</b> MAJOR	<b>Staff :</b> Rebecca Loftus
<b>FCE Begin Date :</b> 08/08/2015	<b>FCE Completion Date :</b> 4/12/2016
<b>Comments :</b> See also N5984, Pine Tree Acres Landfill. These two SRNs make up one stationary source.	

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
04/12/2016	Scheduled Inspection	Compliance	Annual Inspection; See also N5984, Pine Tree Acres Landfill. These two SRNs make up one stationary source.
04/11/2016	ROP Other	Compliance	MAERS Certification form; received on 3/15/16. -R. Loftus
02/11/2016	MACT (Part 63)	Compliance	40 CFR Part 63, Subpart ZZZZ Annual Compliance Report, Reporting period 1/01/2015 through 12/31/2015, report received 1/27/16. Phase I consists of seven CAT 3516 RICE and Phase II consists of two CAT 3520 RICE. Sumpter Energy only combusted LFG in these engines. The Yearly landfill gas (LFG) fuel usage for Phase I was 1,007,478,958 scf and for Phase II was 508,972,011 scf. The total heat input for LFG was reported at 832,566 MMBtu. Sumpter certified there were no deviations from the operating limits and no problems with the fuel meters. Report signed by Dennis Plaster. Reviewed by R. Loftus.

Activity Date	Activity Type	Compliance Status	Comments
02/05/2016	Stack Test	Compliance	Stack Test Report for the verification of Carbon Monoxide, Nitrogen Oxides, and Volatile Organic Compound Emission Rates (EUIENGINE8 and EUIENGINE9 tested on December 2, 2015): For Engine 8: CO was 12.9 lbs/hr and 2.73 g/bhp-hr, NOx was 2.08 lbs/hr and 0.44 g/bhp-hr, VOC 0.83 lbs/hr and 0.18 g/bhp-hr. For Engine 9: CO was 12.1 lbs/hr and 2.55 g/bhp-hr, NOx was 1.93 lbs/hr and 0.41 g/bhp-hr, VOC 0.72 lbs/hr and 0.15 g/bhp-hr. Based on the reported emissions, Engines 8 and 9 tested below their permit limits. Mark Dziadosz will be reviewing the data provided for accuracy of the data provided. Reviewed by R. Loftus
10/30/2015	Stack Test	Compliance	Stack Test Protocol for the verification of Carbon Monoxide, Nitrogen Oxides, and Volatile Organic Compound Emission Rates for EUIENGINE8 and EUIENGINE9. (Permit MI-ROP-N8004-2013). Test is scheduled for 12/2/15. This plan was reviewed by R. Loftus and M. Dziadosz. The results will be entered as a separate report received.
09/25/2015	ROP Semi 1 Cert	Compliance	Received on time; Sumpter reported no deviations for the January 1, 2015 through June 30, 2015 reporting period. Report reviewed by R. Loftus

Name: Rebecca Loftus Date: 4/29/16

Supervisor: CJE