

DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : Michigan Ethanol d/b/a POET Biorefining - Caro	SRN : N6996
Location : 1551 Empire Drive	District : Saginaw Bay
	County : TUSCOLA
City : CARO State: MI Zip Code : 48723	Compliance Status : Compliance
Source Class : MAJOR	Staff : Sydney Bruestle
FCE Begin Date : 6/1/2015	FCE Completion Date : 3/28/2017
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
03/27/2017	Scheduled Inspection	Compliance	Scheduled inspection to determine compliance with MI-ROP-N6996-2013, PTI 175-15A, and all other applicable state and federal air quality regulations
03/03/2017	NSPS (Part 60)	Compliance	Semi annual emissions monitoring LDAR report. Part 60 Subpart VVa.
03/02/2017	Stack Test	Compliance	Hammermill No 5 Baghouse Stack; CO2 Scrubber Stack. Below limits. slb
09/28/2016	ROP Semi 1 Cert	Compliance	Poet biorefining installed a scrubber bypass in May 2016 to prevent future deviations and emissions exceedances.
08/22/2016	Rule 912	Compliance	Utilized the scrubber bypass to the RTO. Poet included calculations of the VOC Emissions as if the scrubber was offline and there was no RTO for control to be conservative.
08/10/2016	CAM Excursions/Exceedances	Compliance	Lowering the roofs of the ethanol tanks did not cause an CAM Excursion or Exceedance. The Ethanol tanks do not have a CAM plan.
08/10/2016	Rule 912	Compliance	Poet Biorefining lowered the floating roof on the ethanol storage tank for 14 hour and 5 minutes. VOC emissions for the 14 hours and 5 minutes were 41.49 lbs (2.96 lbs/hr).

Activity Date	Activity Type	Compliance Status	Comments
07/15/2016	Excess Emissions (CEM)	Compliance	Semi Annual LDAR Report
06/09/2016	Rule 912	Compliance	Incident summary report form. Poet is currently installing a scrubber bypass to avoid future emission limit exceedances. slb
04/21/2016	MAERS	Compliance	Audit completed April 21, 2016
03/08/2016	Malfunction Abatement Plan	Compliance	Revised the wet scrubber page only to explicitly state 3-hour average water flows and pressures on the page instead of it being implied. slb
03/01/2016	ROP Annual Cert	Compliance	The Deviations for this reporting period were all periods of scrubber down time. Poet is already in the process of installing a scrubber by-pass to avoid deviations in the future. slb
03/01/2016	ROP SEMI 2 CERT	Compliance	The Deviations for this reporting period were all periods of scrubber down time. Poet is already in the process of installing a scrubber by-pass to avoid deviations in the future. slb
02/23/2016	Malfunction Abatement Plan	Compliance	Poet submitted an updated MAP on 02/23/2016 slb
02/17/2016	CAM Excursions/Exceedances	Compliance	Scrubber was shut down to complete scrubber by-pass installation to the RTO. This will avoid future occasions of excess emissions. slb
02/17/2016	CAM monitor downtime	Compliance	Scrubber was shut down to complete scrubber by-pass installation to the RTO. This will avoid future occasions of excess emissions. slb
01/26/2016	Excess Emissions (CEM)	Compliance	Semi annual emissions monitoring
01/26/2016	Rule 912	Compliance	Incident summary report form. Poet is currently installing a scrubber bypass to avoid future emission limit exceedances. slb
01/26/2016	Rule 912	Compliance	Incident summary report form. Poet is currently installing a scrubber bypass to avoid future emission limit exceedances. slb
01/26/2016	NSPS (Part 60)	Compliance	Semi annual emissions monitoring. LDAR Report required by 40 CFR Part 60 Subpart VVa. There were no devices with leaks identified for this reporting period. slb

Activity Date	Activity Type	Compliance Status	Comments
01/08/2016	Rule 912	Compliance	Incident summary report form. Poet is currently installing a scrubber bypass to avoid future emission limit exceedances. slb
01/08/2016	CAM Excursions/Exceedances	Compliance	Incident summary report form. Poet is currently installing a scrubber bypass to avoid future emission limit exceedances. slb
11/16/2015	Rule 912	Compliance	Emission Exceedance due to annual fall scrubber shut down. Poet is currently installing a scrubber bypass to the RTO to eliminate future emission exceedances during scrubber shut down. slb
11/16/2015	CAM Excursions/Exceedances	Compliance	Emission Exceedance due to annual fall scrubber shut down. VOC Emissions: 6103 lbs Acetaldehyde emissions: 390 lbs. Poet is currently installing a scrubber bypass to the RTO to eliminate future emission exceedances during scrubber shut down. slb
11/16/2015	CAM monitor downtime	Compliance	Emission Exceedance due to annual fall scrubber shut down (17 hours). VOC Emissions: 6103 lbs Acetaldehyde emissions: 390 lbs. Poet is currently installing a scrubber bypass to the RTO to eliminate future emission exceedances during scrubber shut down. slb
09/17/2015	ROP Semi 1 Cert	Compliance	Scrubber was offline for 7 hours on 3/12/2015 and 8.2 hours on 4/23/2015. Poet is currently in enforcement with the EPA for wet scrubber downtime and they are installing a bypass to the RTO to control emissions during scrubber maintenance. slb
09/17/2015	CAM Excursions/Exceedances	Compliance	Scrubber was offline for 7 hours on 3/12/2015 and 8.2 hours on 4/23/2015. Poet is currently in enforcement with the EPA for wet scrubber downtime and they are installing a bypass to the RTO to control emissions during scrubber maintenance. slb

Activity Date	Activity Type	Compliance Status	Comments
09/17/2015	CAM monitor downtime	Compliance	Scrubber was offline for 7 hours on 3/12/2015 and 8.2 hours on 4/23/2015. Poet is currently in enforcement with the EPA for wet scrubber downtime and they are installing a bypass to the RTO to control emissions during scrubber maintenance. slb
07/15/2015	Excess Emissions (CEM)	Compliance	LDAR report slb.

Name: Singh

Date: 03/28/17

Supervisor: C. Hare