

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

|  |                                       |
|--|---------------------------------------|
| <b>Facility :</b> Carbon Green Bioenergy                           | <b>SRN :</b> N7412                    |
| <b>Location :</b> 7795 Saddlebag Lake Rd                           | <b>District :</b> Grand Rapids        |
|  | <b>County :</b> BARRY                 |
| <b>City :</b> LAKE ODESSA <b>State:</b> MI <b>Zip Code :</b> 48849 | <b>Compliance Status :</b> Compliance |
| <b>Source Class :</b> SM OPT OUT                                   | <b>Staff :</b> Eric Grinstern         |
| <b>FCE Begin Date :</b> 3/2/2016                                   | <b>FCE Completion Date :</b> 3/2/2017 |
| <b>Comments :</b>  |                                       |

**List of Partial Compliance Evaluations :**

| Activity Date | Activity Type          | Compliance Status | Comments   |
|---------------|------------------------|-------------------|--|
| 03/01/2017    | Excess Emissions (CEM) | Compliance        | Quarterly Excess Emissions<br>No excess emissions reported.<br>2 hours of monitor downtime. (1 hour for a pressure transmitter failure, 1 hour for calibration)  |
| 01/27/2017    | Scheduled Inspection   | Compliance        | Unannounced Inspection   |
| 10/17/2016    | Excess Emissions (CEM) | Compliance        | Quarterly Excess Emissions report<br>CEMS Quarterly Report 2016 Q3<br>NSPS Db<br>Facility reported 2,103 hours of operation<br>No excess emissions reported<br>105 hours of monitor downtime associated with planned fall maintenance.   |
| 10/07/2016    | NSPS (Part 60)         | Compliance        | A New Source Performance Standards (NSPS) letter was submitted to the Air Quality Division (AQD) pursuant to notification requirements of Subpart A 40 CFR 60.7(a)(1) & (a)(3) regarding the installation of an internal floating roof on a 30,000 gallon storage tank in September 2016. The storage tank will be utilized as storage of gasoline denaturant. (AShaffer 10/07/2016; SLachance 10/11/16) |

| Activity Date | Activity Type          | Compliance Status | Comments  |
|---------------|------------------------|-------------------|---|
| 10/07/2016    | CEM RATA               | Compliance        | An annual Relative Accuracy Test Audit (RATA) report was submitted to the Air Quality Division (AQD) regarding the testing of the NOx and O2 Continuous Emissions Monitoring System (CEMS) that serves the Thermal Oxidizer Stack (C10) on September 7, 2016. After further review of the results provided, each CEMS was within acceptable accuracy limits per 40 CFR Part 60. The report is subject to further review by AQD-TPU. (AShaffer, 10/07/16; SLachance 10/11/16)  |
| 10/06/2016    | NSPS (Part 60)         | Compliance        | The Semi-annual Leak Detection and Repair (LDAR) Report for the period from March 1, 2016 through August 31, 2016 per 40 CFR 60 Subpart VV, was received on time and properly certified. The report identified one (1) leak out of 648 components monitored; which is presented in Table 1 of this report, and no delays of fixes. Additionally, one (1) LDAR was added and deleted respectively and is presented in Table 2 of this report. Facility does a very good job at identifying, labeling, and tracking LDAR components and leaks. (AShaffer, 10/06/2016; SLachance 10/11/16) |
| 07/18/2016    | Excess Emissions (CEM) | Compliance        | CEMS quarterly report (excess emissions and availability) for NOx from the Thermal Oxidizer; NO excess emissions and 99.80% availability for the quarter. Quarterly Operating Time = 2182 hours. Single incident of monitor downtime was addressed on same day within 4 hours. Passed required quarterly QA (Cylinder Gas Audit/Linearity tests.) (SLachance, 7/18/16)  |
| 04/19/2016    | Excess Emissions (CEM) | Compliance        | 1st Quarter Excess Emissions Report for NOx CEMS on SVS10; NO excess emissions and one (1) hour of monitor downtime this period; 2181 hours of operation. Three (3) hours of Oxidizer Downtime, did not affect 30-day rolling average for NOx. CEMS downtime was for required Cylinder Gas Audit/Preventative Maintenance. (SLachance, 1/20/16)   |

| Activity Date | Activity Type  | Compliance Status | Comments   |
|---------------|----------------|-------------------|--|
| 03/14/2016    | MAERS          | Compliance        | Low score and not targeted for FY FCE; Not Audited this year. See Audit Console for EI2015 in eMAERS. (SLachance, 3/14/16)   |
| 03/08/2016    | NSPS (Part 60) | Compliance        | Semi-annual Leak Detection and Repair (LDAR) Report for the period ending 12-31-15 per 40 CFR 60 Subpart VV; report includes leaks detected (none this period), delayed fixes (if any); monitored components added and deleted. 4 new LDAR points added; 9 deleted; as identified in Table 2 of the report. Facility does a very good job of identifying, labeling, and tracking LDAR components. Plant hygiene is very good, which facilitates observing and reaching/repairing these points. (SLachance, 3/8/16) |

Name:



Date:

3/2/17

Supervisor:

