

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

FCE Summary Report

Facility : Kent County Waste to Energy Facility	SRN : N1604
Location : 950 Market Ave SW	District : Grand Rapids
	County : KENT
City : GRAND RAPIDS State: MI Zip Code : 49503	Compliance Status : Compliance
Source Class : MAJOR	Staff : Steve Lachance
FCE Begin Date : 3/31/2016	FCE Completion Date : 3/31/2017
Comments : FCE for FY '017	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
03/31/2017	Scheduled Inspection	Compliance	On-site, Unannounced Inspection for FY '017 - see CA_N160439140. (SLachance, 3/31/17)
03/17/2017	Site Review	Compliance	Site Review Activity - CEMS-based inspection of Units 1 and 2 (SLachance, 3/23/17)
03/10/2017	Other	Compliance	Review of required, annual- and semi-annual ROP Reports for the period ending 12/31/16. (SLachance, 3/10/17)
03/10/2017	ROP Annual Cert	Compliance	See CA_N160438657. (SLachance, 2/16/17) (Originally submitted 2/13/17)
03/10/2017	ROP SEMI 2 CERT	Compliance	See CA_N160438657. (SLachance, 2/16/17) (Originally Submitted 2/13/17)
03/01/2017	Other	Compliance	Review of required, semi-annual 40 CFR 60.59b "G" and "H" reports for the period ending 12/31/16. (SLachance, 2/16/17)
02/28/2017	MAERS	Compliance	ROP certification form received 2/27/17; see audit notes in e-MAERS Audit Console. Only changes were addition of necessary Control Efficiencies and declaration of Unit 1 and 2 estimates for Cd, Hg, HCl based on stack test results and attachment (mailed in based on size of document.) (SLachance, 2/28/17)

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02/16/2017	NSPS (Part 60)	Compliance	Semiannual "H" Report; see CA_N160438656. (SLachance, 2/16/17)
02/16/2017	NSPS (Part 60)	Compliance	Semiannual "G" Report; see CA_N160438656. (SLachance, 2/16/17)
01/23/2017	Rule 912	Compliance	Unit 2 Fuel related CO event; further discussed with TMadden of the facility, 1-hr event was unavoidable, but 8-hr event a result of: drift in CO Monitor, will now be addressed at 10 ppm instead of company action level; prolonged use of nat gas only actually resulted in higher O2 (13.6% for period) which contributes to data blow-up. Their after-action review and more aggressive QA/QC on monitor will help minimize such events in future. (SLachance, 1/23/17)
01/23/2017	Excess Emissions (CEM)	Compliance	4th Quarter 2016 Excess Emissions and Monitoring Systems Performance report; see CA_N160438376. Single excess event had been previously and properly reported to AQD per Rule 912. (SLachance, 1/23/17)
01/23/2017	Other	Compliance	Review of Quarterly Excess Emissions/CEMS Performance Reports for Q4 2016
12/27/2016	Rule 912	Compliance	R912 initial report; hot fuel resulted in 1-hour CO exceedence for Unit 2, switched to natural gas only. Met 4-hour limit, intended to resume feeding MSW, but chose to stay on nat gas for duration of 8-hr block. Did not quite meet 8-hour average, resulting in this emailed notification. To be further evaluated upon receipt of written letter. (SLachance, 12/27/16)
12/22/2016	Site Review	Compliance	Partial Compliance Evaluation - PCE - CEMS-based Pollutants (SLachance, 12/22/16)
10/18/2016	Other	Compliance	3rd Quarter Excess Emissions/CEMS Performance reports (SLachance, 10/18/16)
10/18/2016	Excess Emissions (CEM)	Compliance	3rd Quarter 2016 Excess Emissions/CEMS Performance Reports; see CA_N160437165. (SLachance, 10/18/16)

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10/18/2016	Rule 912	Compliance	Rule 912 Written Report for Unit 2; verbal report previously received via telephone. Reviewed as part of Q3 overall report; see CA_N160437165. short-term event quickly addressed but missed CO for a couple of block periods due to O2 levels and "data blow-up". Returned to compliance expeditiously and properly reported. (SLachance, 10/18/16)
10/14/2016	CEM RATA	Compliance	2016 Annual Stack Testing and RATA Reports; subject to possible further review by AQD-TPU; reported results indicate compliant emissions and %Removal Efficiencies (where required) for all tested pollutants for both units. All CEMS demonstrated acceptable performance through the Relative Accuracy Test Audit (RATA) procedures. (SLachance, 10/14/16)
10/14/2016	Stack Test	Compliance	2016 Annual Stack Testing and RATA Reports; subject to possible further review by AQD-TPU; reported results indicate compliant emissions and %Removal Efficiencies (where required) for all tested pollutants for both units. All CEMS demonstrated acceptable performance through the Relative Accuracy Test Audit (RATA) procedures. (SLachance, 10/14/16)
10/13/2016	ROP Semi 1 Cert	Compliance	Review of required semi-annual report of deviations; see CA_N160437137. (SLachance, 10/13/16)
10/13/2016	NSPS (Part 60)	Compliance	Semiannual "G" report; see CA_N160437140. (SLachance, 10/13/16)
10/13/2016	NSPS (Part 60)	Compliance	Semiannual "H" report; see CA_N160437140. (SLachance, 10/13/16)
10/13/2016	Excess Emissions (CEM)	Compliance	2nd Quarter Excess Emissions report; see CA_N160437136. (SLachance, 10/13/16)
10/13/2016	Other	Compliance	Review of 2nd Quarter 2016 Excess Emissions and CEMS Performance Reports; see CA_N160437136. (SLachance, 10/13/16)

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10/13/2016	Other	Compliance	Review of Semi-Annual Certified Report of Deviations for the Period Ending 6/30/16
10/13/2016	Other	Compliance	40 CFR 60.59b(g) and (h) Reports for the semi-annual period ending 6/30/16 (SLachance, 10/13/16)
09/19/2016	Telephone Notes	Compliance	R912 verbal report for an upset condition on 9/18/16; Unit 2 wet fuel/plugged feeder resulted in momentary disruption to combustion. Switched to full gas to minimize emissions, but CO spike resulted in 1-hr and 8-hr CO exceedences. Written report to follow within 10 days. (SLachance, 9/19/16)
06/16/2016	Other	Compliance	CEMS-Based Mini-Inspection and Stack Testing Oversight (Day 3); see CA_N160434995 (SLachance, 6/16/16)
06/15/2016	Stack Test Observation	Compliance	Observations/Day 2 of Annual Stack Testing Effort; SL arrived on-site at about 10 AM; no VE noted from main stack. TMadden reported all is well; Unit 2 RATA underway (Run 3 starting at 10:10 AM), d/f Run 2. Unit 1 testing included 3rd run for PM/metals/HCl. TGasloii arrived at about 10:40 AM and continued observations of Unit 2 RATA; TMadden continued monitoring unit loads and operational/control parameters from his office. SLachance off-site at about 11:15 AM. (SLachance, 6/15/16)
06/15/2016	CEMS Test Observation	Compliance	Unit 2 RATA ongoing; Calibration Drift Test Results for this day (each CEMS) indicates Status "OK" and CEMS "In Control." See file. (SLachance, 6/15/16)
06/15/2016	Other	Compliance	Visible Emissions Assessment of RICE; at about 11:15 AM, 6/15/16, as SL was leaving the site, he noted that one of the stationary RICE (either gen-set or fire pump) was operating. No Visible Emissions were noted; however, these observations were informal and not based completely on Method 9 techniques. (SLachance, 6/15/16)
04/15/2016	Excess Emissions (CEM)	Compliance	1st Quarter 2016 Excess Emissions Report; see CA_N160434237. (SLachance, 4/15/16)

Activity Date	Activity Type	Compliance Status	Comments
04/15/2016	Other	Compliance	Review of 1st Quarter 2016 Excess Emissions and CEMS Performance Reports; see CA_N160434237. (SLachance, 4/15/16)

Name:



Date:

3/31/17

Supervisor:

