



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DETROIT FIELD OFFICE



DAN WYANT  
DIRECTOR

November 1, 2013

Mr. Ronald Burnette, Plant Manager  
EES Coke Battery LLC  
PO Box 18309, Zug Island  
River Rouge, MI 48218

SRN: P0408, Wayne County

Dear Mr. Burnette:

**VIOLATION NOTICE**

On October 30, 2013, the Department of Environmental Quality (DEQ), Air Quality Division (AQD) completed review of the following: the Renewable Operating Permit Report Certification for the semi-annual period of January 1 through June 30, 2013 received on September 15, 2013; PTI 71-13 additional information submitted on October 14, 2013; and partially complete CERMS data received on September 13, 2013. The purpose of this review was to determine EES Coke Battery's compliance with the requirements of the federal Clean Air Act; Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451); the administrative rules; the conditions of Permit to Install (PTI) No. 51-08; and the conditions of Renewable Operating Permit (ROP) No. 199600132d, Section 7.

Based on a review of this information, the following violations were noted:

Process Description	Rule/Permit Condition Violated	Comments
No. 5 Coke Battery	PTI 51-08, Table E-07.01, Condition V.13  ROP No. 199600132d, Table E-07.01, Condition V.13  R336.1205(1)(a)(ii)(D)	Annual coke oven gas consumption exceeded the limit of $2.85 \times 10^{12}$ BTU of heat input on a 12 month rolling basis from March through September 2013.  Highest annual heat input of coke oven gas on a 12 month rolling basis since March was $3.01 \times 10^{12}$ BTU in September 2013.
No. 5 Coke Battery	PTI 51-08, Table E-07.01, Condition V.12  ROP No. 199600132d, Table E-07.01, Condition V.12  R336.1205(1)(a)(ii)(D)	The maximum heat input to the No. 5 coke battery shall not exceed $9.2 \times 10^9$ BTU per day when fired solely on coke oven gas except during emergency periods when blast furnace gas is not available from U. S. Steel

		<p>On February 1 and February 20, 2013, the heat input was <math>9.3 \times 10^9</math> and <math>9.6 \times 10^9</math> BTU, respectively. Although EES Coke Battery has decided not to use blast furnace gas, it was available from US Steel on both days.</p>
<p>No. 5 Coke Battery</p>	<p>PTI 51-08, Table E-07.01, Condition III.A.1.2 and Appendix A           40 CFR Part 60.7(c) and (d)</p>	<p>Failure to install, calibrate, maintain and operate in a satisfactory manner a device to monitor and record the SO<sub>2</sub>, CO, and NO<sub>x</sub> emissions and flow from the combustion stack of the EUCKE-BATTERY. Proper operation includes using the CERMS data for determining compliance with SO<sub>2</sub>, CO, and NO<sub>x</sub> emission limits and proper reporting per Appendix A and 40 CFR Part 60.7(c) and (d).</p> <p>From May 2011 through March 2013, some lb/hr values for NO<sub>x</sub>, CO, and SO<sub>2</sub> recorded by the CERMS have been manually revised by EES Coke personnel although the CERMS was providing valid readings for determining compliance. Additionally, CERMS downtime was improperly quantified in the quarterly reports required in Appendix A of 51-08 and 40 CFR Part 60.</p> <p>As such, the CERMS was not operated in a satisfactory manner.</p>

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by November 21, 2013 (which coincides with 21 calendar days from the date of this letter). The written response should include: the dates the violations occurred; an explanation of the causes and duration of the violations; whether the violations are ongoing; a

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summary of the actions that have been taken and are proposed to be taken to correct the violations and the dates by which these actions will take place; and what steps are being taken to prevent a reoccurrence.

Additionally, deviations from the monthly pump seal inspections referenced in the July 30, 2013 semi-annual benzene monitoring report are missing from the semi-annual ROP deviation report.

If EES Coke Battery, LLC believes the above observations or statements are inaccurate or do not constitute violations of the applicable legal requirements cited, please provide appropriate factual information to explain your position.

Thank you for your attention to resolving the violations cited above. If you have any questions regarding the violations or the actions necessary to bring this facility into compliance, please contact me at the number listed below.

Sincerely,



Katherine Koster  
Senior Environmental Engineer  
Air Quality Division  
313-456-4678

cc: Mr. Steve Zervas, DTE  
Ms. Brenna Harden, DTE  
cc via email: Mr. Thomas Hess, DEQ  
Ms. Teresa Seidel, DEQ  
Ms. Wilhemina McLemore, DEQ