



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
DETROIT DISTRICT OFFICE



LIESL EICHLER CLARK
DIRECTOR

June 1, 2020

Mr. Marion Krchmar, Plant Manager
EES Coke Battery LLC
P.O. Box 18309, Zug Island
River Rouge, MI 48218

SRN: P0408, Wayne County

Dear Mr. Krchmar:

VIOLATION NOTICE

On May 11, 2020, the Department of Environment, Great Lakes, and Energy (EGLE), Air Quality Division (AQD), completed review of the Title V deviation reports for January through June 2019, July through December 2019, and Calendar Year 2019 for EES Coke Battery, LLC, located at 1400 Zug Island Road, River Rouge, Michigan. The reports were received by AQD via mail on March 9, 2020. AQD also reviewed the July through December 2018 deviation report on an earlier date. 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. 51-08C; and the conditions of Renewable Operating Permit (ROP) No. 199600132d, Section 7.

Based on the review of the reports, the following violations were noted:

Process Description	Rule/Permit Condition Violated	Comments
No. 5 Coke Battery (EUCOKE-BATTERY)	PTI 51-08C, EUCOKE-BATTERY, Special Condition (SC) I.25 ROP No. 199600132d, Section 7, Table E-07.01, SC II.10	Facility exceeded the instantaneous opacity limit of 20% for fugitive visible emissions during the push and travel operations on EUCOKE-BATTERY the following number of times: July - December 2018: 19 January - June 2019: 37 July - December 2019: 8
No. 5 Coke Battery (EUCOKE-BATTERY)	PTI 51-08C, FGMACTL, SC I.2 ROP No. 199600132d, Section	Facility exceeded the visible emissions limit of no visible emissions from each of the bypass/bleeder flares except

	<p>7, Table E-07.01, SC V.24</p> <p>40 CFR Part 63, Subpart L, §63.307(c)</p>	<p>for periods not to exceed a total of 5 minutes during any two consecutive hours.</p> <p>Visible emissions from any one flare for a total of 5 minutes over two consecutive hours occurred, at a minimum, the following number of times:</p> <p>July - December 2018: 59 January - June 2019: 45 July - December 2019: 9</p>
No. 5 Coke Battery (EUCCOKE-BATTERY)	<p>PTI 51-08C, EUCCOKE-BATTERY, General Condition (GC) 11(a)</p> <p>ROP No. 199600132d, Section 7, GC 2(a)</p> <p>R 336.1301(1)(a)</p>	<p>Bypass/Bleeder flare stacks are each subject to a 20% 6-minute average opacity limit, except for one 6-minute average per hour of not more than 27% opacity.</p> <p>The facility reported the following number of opacity exceedances in the semiannual deviation reports:</p> <p>July - December 2018: 75 January - June 2019: 291 July - December 2019: 203</p>

Opacity from push and travel operations is limited to 20% on an instantaneous basis as measured by Method 9b within PTI 51-08C, EUCCOKE-BATTERY at SC I.25 and ROP No. 199600132d, Section 7, Table E-07.01, SC II.10. For the semiannual period of July through December 2018, EES Coke Battery recorded 19 exceedances of this limit on 13 separate days. The highest instantaneous reading observed for this time period was 50% on October 30, 2018. For the semiannual period of January through June 2019, 37 exceedances were recorded on 25 separate days. The highest instantaneous reading observed for this time period was 75% on April 10, 2019. For the semiannual period of July through December 2019, 8 exceedances were recorded on 8 separate days. The highest instantaneous reading observed for this time period was 65% on August 7, 2019. Exceedances are listed in the table below:

Date of reported exceedance	Instantaneous opacity reading in excess of 20%	Number of exceedances
August 30, 2018	45%	1
September 14, 2018	25%	1
October 2, 2018	45%, 30%, 45%, 40%	4
October 16, 2018	25%	1
October 19, 2018	35%	1

October 30, 2018	50%	1
October 31, 2018	40%	1
November 1, 2018	40%, 40%	2
November 17, 2018	40%, 40%	2
November 22, 2018	25%	1
December 13, 2018	40%	1
December 14, 2018	40%	1
December 17, 2018	30%, 30%	2
January 1, 2019	35%	1
January 20, 2019	35%	1
January 22, 2019	40%	1
February 9, 2019	30%	1
February 14, 2019	40%	1
February 21, 2019	50%	1
February 27, 2019	50%	1
March 26, 2019	35%, 35%	2
March 28, 2019	35%	1
March 31, 2019	40%	1
April 2, 2019	35%	1
April 3, 2019	40%	1
April 10, 2019	75%	1
April 20, 2019	35%	1
April 21, 2019	40%, 40%	2
May 2, 2019	25%	1
May 14, 2019	50%, 35%, 30%	3
May 19, 2019	30%	1
May 21, 2019	35%, 30%	2
May 31, 2019	35%	1
June 8, 2019	30%	1
June 10, 2019	40%, 35%, 30%, 30%, 35%, 30%, 35%, 30%	8
June 18, 2019	35%	1
June 23, 2019	25%	1
June 27, 2019	30%	1
July 27, 2019	35%	1
August 7, 2019	65%	1
August 9, 2019	50%	1
August 11, 2019	40%	1
August 15, 2019	50%	1
August 16, 2019	25%	1
September 21, 2019	30%	1
October 29, 2019	30%	1

PTI 51-08C, FGMACTL, SC I.2; ROP No. 199600132d, Section 7, Table E-07.01, SC V.24; and 40 CFR Part 63, Subpart L, §63.307(c) state that there shall be no visible emissions from each bypass/bleeder flare, as determined §63.309(h)(1), except for periods not to exceed a total of 5 minutes during 2 consecutive hours. There are eight separate bleeder flares on EUCKOKE-BATTERY. Any incident where a single flare is open for more than 5 minutes total in a consecutive two hour period is reported as a deviation of the visible emission limit. For the semiannual period of July through December 2018, EES Coke Battery recorded 59 exceedances of this limit on 9 separate days. For the semiannual period of January through June 2019, 45 exceedances were recorded on 7 separate days. For the semiannual period of July through December 2019, 9 exceedances were recorded on 2 separate days. It is unclear how the facility is characterizing bleeders that are open for longer than 2 hours. At this time, AQD has counted them as a single exceedance.

Date of reported exceedance	Bleeder Open	Length of time (Hr:Min:Sec)
July 4, 2018	4A	0:05:28
	4B	0:05:56
August 17, 2018	1A	0:11:21
	1B	0:10:12
	4B	0:05:40
August 23, 2018	1A	0:11:52
	1B	0:06:12
	2B	0:11:58
	3A	0:11:52
	4A	0:12:04
	4B	0:10:10
September 16, 2018	1A	0:23:22, 0:05:12
	1B	0:34:59
	2A	0:48:01, 0:14:03
	2B	0:11:58, 0:09:54
	3A	0:37:40, 0:09:52
	3B	0:52:37
	4A	0:52:37
	4B	0:52:00, 0:26:15
September 26, 2018	1A	0:08:48
	1B	0:17:11
	2A	0:12:20
	2B	0:12:22
October 1, 2018	1B	0:06:46
	2A	0:07:04
November 3, 2018	1A	0:24:37, 0:18:46
	1B	0:25:57, 0:18:59
	2A	1:23:00, 0:36:17
	2B	0:40:13, 0:37:07
	3A	0:27:26, 0:32:25

	3B 4B	1:24:34, 0:32:49 0:28:32, 0:37:20
November 8, 2018	1A 1B 2A 2B 3A 3B 4B	0:14:12 0:14:40 0:20:31 0:20:39 0:18:57 0:19:07 0:19:25
December 7, 2018	1A 1B 2A 2B 3A 3B 4A 4B	1:15:54 1:15:54 0:07:56 0:08:05 0:06:50 0:07:07 0:09:08 0:11:53
January 23, 2019	1B 2A 2B 3A 3B 4A 4B	0:09:14 0:09:17 0:06:20 0:09:11 0:05:47 0:16:22 0:08:59
January 31, 2019	1A 1B 2A 2B 3A 3B 4A 4B	2:57:47 6:33:09 0:05:51, 7:19:37 3:00:00 3:53:08 0:05:02 0:05:01, 1:47:02 0:05:48, 5:00:53
February 1, 2019	1A 1B 2A 2B 3A 3B 4A 4B	2:30:50, 0:52:57, 1:04:24 7:01:41 7:25:51 2:49:10 3:08:31 0:43:34 8:11:29 2:08:34
February 3, 2019	1B 2B 3B 4A 4B	0:26:53 0:29:51 0:06:18 3:53:45 0:09:29

February 8, 2019	1A	0:43:48
	1B	2:05:11
	2A	2:28:16
	2B	0:47:52
	3A	0:05:58
	3B	1:26:11
	4A	3:31:03
	4B	3:44:19
February 13, 2019	2B	0:11:43
February 20, 2019	1A	0:13:08
	2A	0:07:08
	2B	0:05:11
October 4, 2019	4A	0:05:15
November 8, 2019	1A	1:10:47
	1B	5:10:03
	2A	0:21:50
	2B	5:01:52
	3A	3:34:46
	3B	1:41:06
	4A	5:14:19
	4B	0:49:27

R 336.1301(1)(a) and PTI 51-08C, GC 11(a) and ROP No. 199600132d, Section 7, GC 2(a) state, in part, that a person “shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following: a 6-minute average of 20% opacity, except for one 6-minute average per hour of not more than 27% opacity.” In the ROP semiannual reports, EES Coke reported 75 exceedances of this opacity limit from July through December 2018, 291 exceedances from January through June 2019, and 203 exceedances from July through December 2019.

Please initiate actions necessary to correct the cited violations and submit a written response to this Violation Notice by June 22, 2020 (which coincides with 21 calendar days from the date of this letter). The written response should include, at a minimum, the dates the violations occurred, an explanation of the causes and duration of the violations, whether the violations are ongoing, a 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.

Please submit the written response to the EGLE, AQD, Detroit District, at 3058 West Grand Boulevard, Suite 2-300, Detroit, Michigan 48202 and submit a copy to Ms. Jenine Camilleri, Enforcement Unit Supervisor at the EGLE, AQD, P.O. Box 30260, Lansing, Michigan 48909-7760.

Mr. Marion Krchmar

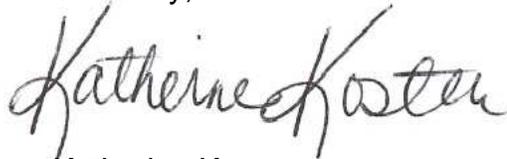
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If EES Coke believes the above observations or statements are inaccurate or do not constitute violations of the applicable legal requirements cited, please provide appropriate factual information to explain your position.

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,

A handwritten signature in black ink that reads "Katherine Koster". The signature is written in a cursive style with a large initial 'K'.

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

cc: Ms. Brenna Harden, DTE
Ms. Mary Ann Dolehanty, EGLE
Dr. Eduardo Olaguer, EGLE
Mr. Christopher Ethridge, EGLE
Ms. Jenine Camilleri, EGLE
Dr. April Wendling, EGLE
Mr. Jeff Korniski, EGLE
Mr. Jonathan Lamb, EGLE