42-003-00032

United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

January 9, 2017

Bruce Augustine
Air Enforcement Branch (3AT20)
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

JAN 10 2017

SUBJECT: Monthly Monitoring Report

Dear Mr. Augustine,

Enclosed, as requested in your letter of March 10, 1994 to Dr. Charles G. Carson III, is a copy of the Method 303 monitoring results for the U.S. Steel Clairton Works batteries for the month of December 2016.

Please do not hesitate to call me at (412) 233-1467 if you have any questions on this data.

Sincerely,

Michael G. Dzurinko

Michael G. Dzurinko
Director, Environmental Control

JAN 10 2017

cc: William U. Clark, Allegheny County Health Department

JS Steel
Clairton Works
Veo.6.4.6

MONITORING REPORT
FOR BATTERY: 01
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY 01	←	DAILY	PERCENTAGE	→	←	30 DAY	AVERAGE	→
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	5.45	3.17	0.00	1.64	3.56	2.64	0.00	0.81
12/02/16	3.64	0.00	0.00	0.00	3.55	2.48	0.00	0.73
12/03/16	3.66	0.00	0.00	0.00	3.49	2.48	0.00	0.73
12/04/16	5.24	0.00	0.00	1.64	3.50	2.48	0.00	0.78
12/05/16	5.37	0.00	0.00	2.34	3.50	2.48	0.00	0.80
12/06/16	5.75	2.34	0.00	0.00	3.51	2.56	0.00	0.73
12/07/16	2.68	1.56	0.00	0.00	3.52	2.40	0.00	0.70
12/08/16	2.18	0.00	0.00	0.00	3.48	2.35	0.00	0.62
12/09/16	2.95	0.00	0.00	0.78	3.38	2.35	0.00	0.65
12/10/16	5.65	0.00	0.00	2.34	3.46	2.35	0.00	0.61
12/11/16	3.57	0.00	0.00	0.00	3.40	2.30	0.00	0.54
12/12/16	5.47	2.34	0.00	1.56	3.46	2.38	0.00	0.59
12/13/16	3.37	3.13	0.00	0.00	3.37	2.25	0.00	0.54
12/14/16	2.28	0.00	0.00	0.00	3.32	2.14	0.00	0.48
12/15/16	2.73	0.00	0.00	1.59	3.28	1.93	0.00	0.59
12/16/16	1.63	4.10	0.00	0.00	3.29	2.04	0.00	0.48
12/17/16	0.38	0.00	0.00	0.00	3.02	2.04	0.00	0.48
12/18/16	3.17	0.00	0.00	0.82	3.17	2.12	0.00	0.51
12/19/16	3.14	2.34	0.00	0.00	3.17	2.12	0.00	0.53
12/20/16	4.07	3.13	0.00	1.56	3.22	2.20	0.00	0.53
12/21/16	2.78	0.79	0.00	0.83	3.26	2.04	0.00	0.56
12/22/16	5.00	0.00	0.00	0.00	3.23	2.04	0.00	0.56
12/23/16	4.67	0.79	0.00	0.00	3.19	1.94	0.00	0.56
12/24/16	2.87	0.00	0.00	0.00	3.00	1.70	0.00	0.56
12/25/16	0.89	0.00	0.00	0.81	2.99	1.73	0.00	0.59
12/26/16	1.24	3.94	0.00	0.00	3.01	1.73	0.00	0.56
12/27/16	4.78	2.42	0.00	2.42	3.14	1.81	0.00	0.64
12/28/16	3.31	1.56	0.00	0.00	3.10	1.42	0.00	0.56
12/29/16	2.76	8.59	0.00	0.00	3.07	1.63	0.00	0.56
12/30/16	5.35	0.00	0.00	0.79	3.03	1.34	0.00	0.53
12/31/16	2.47	0.00	0.00	0.00	2.97	1.23	0.00	0.48

JS Steel
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MONITORING REPORT
FOR BATTERY: 02
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine REGULATION: All AGENCY: All

BATTERY 02	←	DAILY	PERCENTAGE	→	←	30 DAY	AVERAGE	→
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	4.45	1.67	0.00	1.75	4.03	1.79	0.01	0.54
12/02/16	6.13	2.46	0.00	0.00	3.98	1.82	0.01	0.45
12/03/16	5.30	0.00	0.00	0.00	3.98	1.82	0.01	0.40
12/04/16	5.32	2.46	0.00	1.64	4.00	1.90	0.01	0.45
12/05/16	4.55	2.46	0.00	1.72	3.98	1.92	0.01	0.46
12/06/16	6.20	1.67	0.00	0.00	4.02	1.98	0.01	0.40
12/07/16	3.18	6.67	0.00	0.00	4.06	2.15	0.01	0.37
12/08/16	3.28	0.00	0.00	0.00	3.98	2.06	0.01	0.37
12/09/16	3.92	0.83	0.00	0.00	3.96	2.09	0.01	0.37
12/10/16	4.83	2.42	0.00	1.69	3.96	2.17	0.01	0.40
12/11/16	4.30	0.00	0.00	0.00	3.95	2.14	0.01	0.34
12/12/16	5.65	2.46	0.00	1.72	3.98	2.23	0.01	0.40
12/13/16	4.40	0.78	0.00	0.00	3.92	2.06	0.01	0.34
12/14/16	2.65	0.00	0.00	0.00	3.82	2.03	0.01	0.28
12/15/16	4.53	0.00	0.00	0.00	3.96	2.00	0.01	0.34
12/16/16	1.86	0.00	0.00	1.72	3.91	1.92	0.01	0.34
12/17/16	1.40	0.00	0.00	1.64	3.89	1.89	0.01	0.40
12/18/16	3.69	0.00	0.00	0.00	4.02	1.89	0.01	0.34
12/19/16	4.58	0.82	0.00	0.00	4.04	1.92	0.01	0.28
12/20/16	4.71	0.00	0.00	0.00	4.06	1.89	0.01	0.28
12/21/16	3.49	3.28	0.00	0.00	3.92	1.86	0.01	0.28
12/22/16	4.91	0.00	0.00	0.00	3.99	1.86	0.01	0.28
12/23/16	6.74	2.42	0.00	0.85	4.02	1.81	0.01	0.31
12/24/16	3.48	0.00	0.00	0.00	3.82	1.56	0.01	0.34
12/25/16	0.66	0.00	0.00	0.79	3.79	1.67	0.01	0.34
12/26/16	0.89	0.00	0.00	0.00	3.81	1.53	0.01	0.31
12/27/16	5.54	1.67	0.00	1.75	4.03	1.59	0.01	0.37
12/28/16	4.18	0.83	0.00	1.67	3.98	1.53	0.01	0.37
12/29/16	2.80	0.83	0.00	0.00	3.72	1.53	0.01	0.34
12/30/16	3.01	0.82	0.00	0.00	3.69	1.15	0.01	0.34
12/31/16	2.26	0.00	0.00	0.00	3.73	1.10	0.01	0.31

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MONITORING REPORT
FOR BATTERY: 03
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine REGULATION: All AGENCY: All

BATTERY 03	<----------	DAILY	PERCENTAGE	---------->	<----------	30 DAY	AVERAGE	---------->
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	4.30	1.61	0.00	1.69	3.75	2.02	0.00	0.60
12/02/16	3.62	0.00	0.00	0.83	3.75	1.89	0.00	0.54
12/03/16	4.05	0.79	0.00	0.00	3.79	1.92	0.00	0.49
12/04/16	4.50	2.38	0.00	0.83	3.77	1.97	0.00	0.49
12/05/16	4.83	1.56	0.00	2.46	3.77	2.02	0.00	0.54
12/06/16	2.58	1.56	0.00	0.78	3.70	2.07	0.00	0.49
12/07/16	3.54	3.91	0.00	0.00	3.94	2.07	0.00	0.49
12/08/16	3.70	0.00	0.00	0.00	4.00	1.97	0.00	0.49
12/09/16	2.87	0.00	0.00	1.64	4.03	1.94	0.00	0.49
12/10/16	4.67	1.59	0.00	1.67	4.05	2.00	0.00	0.54
12/11/16	2.90	0.00	0.00	0.00	3.99	1.97	0.00	0.49
12/12/16	4.26	2.38	0.00	2.42	4.04	2.05	0.00	0.57
12/13/16	4.26	0.00	0.00	0.00	4.04	1.92	0.00	0.46
12/14/16	4.69	0.00	0.00	0.00	4.05	1.92	0.00	0.44
12/15/16	2.95	0.00	0.00	0.00	3.99	1.69	0.00	0.46
12/16/16	0.68	1.67	0.00	0.00	3.85	1.40	0.00	0.44
12/17/16	0.72	1.59	0.00	0.85	3.73	1.45	0.00	0.38
12/18/16	4.87	0.00	0.00	0.00	3.94	1.40	0.00	0.44
12/19/16	6.52	7.14	0.00	0.83	3.98	1.66	0.00	0.46
12/20/16	3.32	3.17	0.00	1.67	3.95	1.74	0.00	0.52
12/21/16	3.66	1.59	0.00	0.00	3.94	1.69	0.00	0.52
12/22/16	4.24	0.00	0.00	0.00	3.98	1.69	0.00	0.44
12/23/16	2.88	1.56	0.00	0.00	3.93	1.56	0.00	0.44
12/24/16	3.79	0.00	0.00	0.78	3.85	1.38	0.00	0.41
12/25/16	1.95	1.56	0.00	0.00	3.80	1.59	0.00	0.44
12/26/16	2.45	1.56	0.00	0.79	3.83	1.48	0.00	0.46
12/27/16	4.16	1.56	0.00	2.46	3.89	1.53	0.00	0.52
12/28/16	5.33	1.56	0.00	0.00	3.93	1.53	0.00	0.44
12/29/16	2.28	3.13	0.00	0.00	3.84	1.63	0.00	0.41
12/30/16	3.12	0.78	0.00	0.00	3.63	1.42	0.00	0.38
12/31/16	2.94	0.00	0.00	0.00	3.69	1.37	0.00	0.36

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MONITORING REPORT
FOR BATTERY: 13
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY 13	← DAILY PERCENTAGE →				← 30 DAY AVERAGE →			
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	2.25	0.00	0.00	0.00	2.89	0.63	0.00	0.22
12/02/16	3.39	0.00	0.00	0.00	2.91	0.60	0.00	0.22
12/03/16	3.89	0.82	0.00	0.00	3.00	0.57	0.00	0.20
12/04/16	2.73	0.00	0.00	0.00	2.96	0.57	0.00	0.20
12/05/16	2.96	0.00	0.00	0.00	2.93	0.57	0.00	0.20
12/06/16	3.74	0.82	0.00	0.83	2.94	0.55	0.00	0.22
12/07/16	2.75	0.82	0.00	0.00	2.91	0.55	0.00	0.20
12/08/16	2.88	0.00	0.00	0.00	2.93	0.55	0.00	0.17
12/09/16	2.52	0.00	0.00	0.00	2.92	0.46	0.00	0.17
12/10/16	3.28	0.82	0.00	0.82	2.94	0.49	0.00	0.20
12/11/16	3.13	0.00	0.00	1.72	2.93	0.46	0.00	0.25
12/12/16	2.63	0.00	0.00	0.00	2.91	0.46	0.00	0.20
12/13/16	3.74	0.82	0.00	0.85	2.91	0.49	0.00	0.20
12/14/16	2.37	0.00	0.00	0.00	2.86	0.44	0.00	0.17
12/15/16	2.50	1.67	0.00	0.00	2.87	0.49	0.00	0.14
12/16/16	2.37	0.00	0.00	0.00	2.87	0.49	0.00	0.14
12/17/16	3.44	0.00	0.00	0.86	2.88	0.44	0.00	0.17
12/18/16	3.75	2.46	0.00	0.82	2.89	0.52	0.00	0.17
12/19/16	3.44	0.00	0.00	0.00	2.88	0.52	0.00	0.14
12/20/16	4.40	0.00	0.00	1.69	2.92	0.52	0.00	0.20
12/21/16	2.05	0.00	0.00	0.85	2.84	0.52	0.00	0.17
12/22/16	3.15	0.00	0.00	0.00	2.83	0.49	0.00	0.17
12/23/16	1.37	0.00	0.00	0.00	2.72	0.49	0.00	0.17
12/24/16	3.17	0.00	0.00	0.00	2.68	0.36	0.00	0.17
12/25/16	3.54	1.64	0.00	0.00	2.71	0.41	0.00	0.17
12/26/16	4.03	0.00	0.00	0.86	2.72	0.41	0.00	0.20
12/27/16	3.46	0.82	0.00	0.82	2.71	0.44	0.00	0.19
12/28/16	1.91	0.00	0.00	0.00	2.67	0.36	0.00	0.17
12/29/16	3.93	0.82	0.00	0.00	2.70	0.38	0.00	0.14
12/30/16	4.28	0.00	0.00	0.00	2.71	0.33	0.00	0.14
12/31/16	3.75	0.82	0.00	0.85	2.69	0.36	0.00	0.17

JS Steel
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MONITORING REPORT
FOR BATTERY: 14
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY 14	← DAILY	PERCENTAGE	→	← 30 DAY	AVERAGE	→
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	3.28	0.00	0.00	0.00	3.23	0.70	0.00	0.17
12/02/16	3.24	0.00	0.00	0.83	3.23	0.64	0.00	0.14
12/03/16	4.30	1.67	0.00	0.68	3.23	0.70	0.00	0.17
12/04/16	3.42	0.00	0.00	0.00	3.21	0.70	0.00	0.14
12/05/16	2.10	0.00	0.00	0.00	3.16	0.70	0.00	0.14
12/06/16	5.24	2.50	0.00	1.75	3.19	0.75	0.00	0.20
12/07/16	3.40	0.00	0.00	0.82	3.14	0.73	0.00	0.17
12/08/16	2.80	0.83	0.00	0.00	3.18	0.73	0.00	0.17
12/09/16	2.31	0.00	0.00	0.00	3.09	0.59	0.00	0.17
12/10/16	3.17	0.00	0.00	0.00	3.10	0.59	0.00	0.17
12/11/16	3.74	2.50	0.00	0.00	3.13	0.67	0.00	0.17
12/12/16	4.07	0.83	0.00	0.83	3.14	0.70	0.00	0.19
12/13/16	4.25	1.67	0.00	0.88	3.16	0.75	0.00	0.22
12/14/16	1.97	0.00	0.00	0.00	3.08	0.67	0.00	0.19
12/15/16	5.86	2.50	0.00	0.83	3.29	0.75	0.00	0.22
12/16/16	1.77	0.00	0.00	0.00	3.19	0.73	0.00	0.22
12/17/16	3.88	1.69	0.00	0.00	3.24	0.73	0.00	0.22
12/18/16	5.03	0.00	0.00	0.00	3.27	0.73	0.00	0.22
12/19/16	3.85	0.00	0.00	0.00	3.24	0.73	0.00	0.22
12/20/16	4.86	1.69	0.00	0.89	3.29	0.78	0.00	0.25
12/21/16	2.75	0.00	0.00	0.00	3.23	0.78	0.00	0.22
12/22/16	2.31	0.00	0.00	0.00	3.11	0.75	0.00	0.22
12/23/16	1.99	0.00	0.00	0.00	3.04	0.75	0.00	0.22
12/24/16	3.69	0.00	0.00	0.00	3.07	0.75	0.00	0.22
12/25/16	4.46	0.82	0.00	1.72	3.19	0.78	0.00	0.28
12/26/16	4.18	1.64	0.00	0.86	3.18	0.84	0.00	0.25
12/27/16	2.30	0.00	0.00	0.86	3.12	0.84	0.00	0.25
12/28/16	1.93	0.00	0.00	0.00	3.04	0.64	0.00	0.19
12/29/16	2.76	0.00	0.00	0.00	2.91	0.61	0.00	0.19
12/30/16	2.32	0.00	0.00	0.82	2.89	0.61	0.00	0.22
12/31/16	4.31	2.50	0.00	1.75	2.88	0.69	0.00	0.28

JS Steel
Clairton Works
Veo.6.4.6

MONITORING REPORT
FOR BATTERY: 15
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY 15	←	DAILY	PERCENTAGE	→	←	30 DAY	AVERAGE	→
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	1.93	0.00	0.00	0.00	2.67	1.27	0.00	0.17
12/02/16	5.34	0.85	0.00	0.00	2.71	1.21	0.00	0.17
12/03/16	4.71	3.39	0.00	1.69	2.73	1.33	0.00	0.23
12/04/16	2.28	0.00	0.00	0.00	2.66	1.30	0.00	0.17
12/05/16	1.55	0.00	0.00	1.75	2.63	1.30	0.00	0.23
12/06/16	4.62	3.77	0.00	0.94	2.73	1.34	0.00	0.26
12/07/16	3.57	0.00	0.00	0.85	2.71	1.25	0.00	0.26
12/08/16	2.44	0.00	0.00	0.88	2.68	1.23	0.00	0.29
12/09/16	2.73	0.00	0.00	0.00	2.70	1.20	0.00	0.26
12/10/16	2.28	0.85	0.00	0.00	2.67	1.20	0.00	0.26
12/11/16	4.75	2.54	0.00	0.89	2.75	1.28	0.00	0.29
12/12/16	3.53	0.00	0.00	0.00	2.72	1.25	0.00	0.26
12/13/16	4.30	2.54	0.00	1.72	2.72	1.34	0.00	0.32
12/14/16	2.37	2.54	0.00	0.00	2.67	1.34	0.00	0.26
12/15/16	2.18	1.67	0.00	0.00	2.68	1.40	0.00	0.26
12/16/16	3.17	0.00	0.00	0.86	2.71	1.40	0.00	0.29
12/17/16	4.08	2.50	0.00	1.75	2.77	1.31	0.00	0.29
12/18/16	4.75	1.67	0.00	1.72	2.79	1.37	0.00	0.29
12/19/16	2.29	0.00	0.00	0.00	2.72	1.37	0.00	0.23
12/20/16	4.60	2.54	0.00	1.72	2.78	1.42	0.00	0.29
12/21/16	2.06	1.69	0.00	0.00	2.80	1.48	0.00	0.23
12/22/16	2.10	0.00	0.00	0.85	2.72	1.31	0.00	0.23
12/23/16	1.49	0.00	0.00	0.00	2.65	1.31	0.00	0.20
12/24/16	2.97	0.00	0.00	0.00	2.65	1.08	0.00	0.20
12/25/16	5.59	2.54	0.00	1.79	2.75	1.17	0.00	0.26
12/26/16	4.86	1.69	0.00	0.89	2.74	1.22	0.00	0.23
12/27/16	2.80	0.00	0.00	0.00	2.69	1.22	0.00	0.20
12/28/16	1.46	0.00	0.00	0.00	2.67	1.00	0.00	0.20
12/29/16	2.16	0.86	0.00	0.00	2.67	1.05	0.00	0.17
12/30/16	2.67	0.86	0.00	0.89	2.66	1.03	0.00	0.20
12/31/16	4.76	2.59	0.00	1.79	2.70	1.11	0.00	0.26

JS Steel
Clairton Works
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MONITORING REPORT
FOR BATTERY: 19
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY 19	← DAILY	PERCENTAGE	→	← 30 DAY	AVERAGE	→
	CHARGING	% DOORS	% UDS	% OFFT	CHARGING	% DOORS	% UDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	7.37	0.00	0.30	1.83	4.18	0.52	0.15	1.19
12/02/16	3.22	0.00	0.00	0.00	4.19	0.52	0.15	1.13
12/03/16	5.32	1.16	0.00	1.83	4.34	0.56	0.15	1.13
12/04/16	3.18	0.00	0.00	0.00	4.27	0.52	0.15	1.07
12/05/16	7.47	1.74	0.30	7.23	4.42	0.54	0.16	1.31
12/06/16	3.92	0.00	0.00	0.00	4.46	0.50	0.15	1.23
12/07/16	2.85	0.00	0.00	1.20	4.33	0.49	0.15	1.21
12/08/16	2.52	0.00	0.00	0.00	4.32	0.49	0.15	1.17
12/09/16	3.62	1.72	0.00	0.00	4.18	0.54	0.15	0.96
12/10/16	3.89	0.00	0.00	0.00	4.11	0.54	0.15	0.96
12/11/16	4.79	1.15	0.00	2.38	4.04	0.56	0.14	0.98
12/12/16	2.82	0.00	0.00	1.19	3.97	0.56	0.14	0.94
12/13/16	3.73	0.00	0.00	0.00	3.94	0.52	0.14	0.94
12/14/16	5.46	0.00	0.00	0.60	3.99	0.52	0.14	0.96
12/15/16	3.64	0.00	0.00	0.00	4.01	0.44	0.14	0.94
12/16/16	4.44	0.58	0.00	2.38	4.04	0.46	0.14	1.02
12/17/16	4.63	0.00	0.00	1.79	4.03	0.44	0.13	1.04
12/18/16	5.58	0.00	0.00	1.20	4.05	0.41	0.13	1.02
12/19/16	5.85	1.16	0.00	1.81	4.06	0.41	0.13	1.04
12/20/16	4.44	0.58	0.00	0.00	4.02	0.41	0.13	0.98
12/21/16	5.69	0.59	0.00	1.22	3.98	0.43	0.04	1.02
12/22/16	2.29	0.00	0.00	0.00	3.98	0.41	0.04	1.02
12/23/16	3.04	0.00	0.00	0.00	3.92	0.41	0.04	1.02
12/24/16	0.64	0.57	0.00	1.19	3.78	0.43	0.03	1.02
12/25/16	5.14	0.00	0.00	0.00	3.81	0.39	0.02	0.86
12/26/16	3.73	0.00	0.00	0.61	3.78	0.39	0.02	0.82
12/27/16	1.95	0.00	3.57	5.95	3.69	0.39	0.14	1.02
12/28/16	5.25	1.16	0.00	1.81	3.73	0.39	0.14	1.06
12/29/16	3.06	0.00	0.00	1.19	3.67	0.35	0.14	1.04
12/30/16	1.91	0.00	0.00	0.00	3.60	0.35	0.14	1.00
12/31/16	4.30	1.15	0.00	1.79	3.61	0.39	0.14	1.06

US Steel
Clairton Works
Veo 6.4.6

MONITORING REPORT
FOR BATTERY: 20
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine

REGULATION: All

AGENCY: All

BATTERY 20	← DAILY PERCENTAGE →				← 30 DAY AVERAGE →			
DATE	CHARGING LOG AVG	% DOORS LEAKING	% LIDS LEAKING	% OFFT LEAKING	CHARGING LOG AVG	% DOORS LEAKING	% LIDS LEAKING	% OFFT LEAKING
12/01/16	6.78	0.58	0.00	1.20	3.56	0.42	0.01	0.83
12/02/16	3.13	0.00	0.00	0.00	3.46	0.42	0.01	0.79
12/03/16	4.65	0.58	0.00	1.81	3.48	0.44	0.01	0.79
12/04/16	2.73	0.00	0.00	0.00	3.42	0.42	0.01	0.73
12/05/16	6.73	1.74	0.00	1.81	3.55	0.44	0.01	0.79
12/06/16	2.37	0.58	0.00	0.00	3.39	0.44	0.00	0.71
12/07/16	0.59	0.00	0.00	0.61	3.24	0.42	0.00	0.69
12/08/16	2.57	0.00	0.00	0.00	3.36	0.42	0.00	0.67
12/09/16	5.00	0.58	0.00	1.20	3.11	0.40	0.00	0.67
12/10/16	3.74	0.00	0.00	0.00	3.13	0.40	0.00	0.67
12/11/16	4.14	1.16	0.00	1.81	3.17	0.44	0.00	0.68
12/12/16	2.57	0.00	0.00	0.00	3.12	0.44	0.00	0.62
12/13/16	1.57	0.00	0.00	1.25	3.03	0.44	0.00	0.60
12/14/16	5.81	1.72	0.00	0.00	3.16	0.50	0.00	0.56
12/15/16	2.50	0.00	0.00	0.00	3.18	0.48	0.00	0.48
12/16/16	3.27	0.00	0.00	1.79	3.16	0.44	0.00	0.54
12/17/16	4.39	0.00	0.00	1.79	3.21	0.42	0.00	0.60
12/18/16	4.45	0.57	0.00	2.38	3.21	0.40	0.00	0.62
12/19/16	4.05	1.15	0.00	1.79	3.20	0.42	0.00	0.60
12/20/16	2.89	0.00	0.00	0.00	3.17	0.38	0.00	0.54
12/21/16	3.70	0.00	0.00	1.79	3.16	0.38	0.00	0.56
12/22/16	2.87	0.00	0.00	0.00	3.15	0.38	0.00	0.56
12/23/16	4.12	0.00	0.00	0.00	3.13	0.38	0.00	0.56
12/24/16	0.59	0.00	0.00	0.60	2.95	0.38	0.00	0.56
12/25/16	2.92	0.00	0.00	0.00	2.96	0.37	0.00	0.48
12/26/16	3.37	1.15	0.00	0.00	2.98	0.38	0.00	0.48
12/27/16	2.02	0.57	0.00	0.00	2.94	0.38	0.00	0.48
12/28/16	5.12	1.72	0.00	2.38	2.93	0.42	0.00	0.56
12/29/16	4.31	0.57	0.30	1.19	2.91	0.42	0.01	0.52
12/30/16	2.25	0.00	0.00	0.60	2.89	0.40	0.01	0.52
12/31/16	5.88	0.57	0.00	1.79	2.92	0.42	0.01	0.58

US Steel
Clairton Works
Veo.6.4.6

MONITORING REPORT
FOR BATTERY: B
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine REGULATION: All AGENCY: All

BATTERY B	←	DAILY	PERCENTAGE	→	←	30 DAY	AVERAGE	→
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	6.69	0.33	0.00	0.00	4.38	0.12	0.00	0.16
12/02/16	6.70	1.00	0.00	0.00	4.47	0.16	0.00	0.14
12/03/16	4.75	0.00	0.00	0.00	4.51	0.16	0.00	0.14
12/04/16	5.52	0.33	0.00	0.00	4.59	0.13	0.00	0.12
12/05/16	5.41	0.67	0.00	0.00	4.59	0.14	0.00	0.12
12/06/16	2.95	0.00	0.00	0.00	4.52	0.14	0.00	0.12
12/07/16	3.08	0.33	0.00	0.00	4.54	0.16	0.00	0.07
12/08/16	5.47	0.00	0.00	0.00	4.63	0.14	0.00	0.07
12/09/16	5.79	0.00	0.00	0.00	4.52	0.17	0.00	0.07
12/10/16	5.52	0.00	0.00	0.00	4.63	0.17	0.00	0.07
12/11/16	5.62	0.00	0.00	0.00	4.63	0.17	0.00	0.07
12/12/16	4.91	0.00	0.00	0.00	4.61	0.17	0.00	0.07
12/13/16	2.16	0.00	0.00	0.00	4.56	0.17	0.00	0.05
12/14/16	5.36	0.00	0.00	0.00	4.91	0.17	0.00	0.05
12/15/16	4.66	0.00	0.00	0.00	4.96	0.17	0.00	0.05
12/16/16	2.77	1.05	0.00	0.00	4.96	0.20	0.00	0.05
12/17/16	1.11	1.00	0.00	0.00	4.75	0.23	0.00	0.05
12/18/16	4.69	0.00	0.00	0.00	4.94	0.22	0.00	0.05
12/19/16	5.74	0.00	0.00	0.00	4.97	0.23	0.00	0.05
12/20/16	2.76	0.00	0.00	0.69	4.78	0.23	0.00	0.07
12/21/16	4.88	0.33	0.00	0.00	4.79	0.22	0.00	0.07
12/22/16	4.18	0.00	0.00	0.00	4.77	0.22	0.00	0.07
12/23/16	5.17	0.00	0.00	0.70	4.91	0.21	0.00	0.09
12/24/16	1.94	0.00	0.00	0.00	4.70	0.22	0.00	0.07
12/25/16	4.62	0.00	0.00	0.00	4.77	0.22	0.00	0.07
12/26/16	1.35	0.67	0.00	0.00	4.62	0.22	0.00	0.07
12/27/16	1.62	0.00	0.00	0.00	4.64	0.22	0.00	0.07
12/28/16	6.59	0.00	0.00	0.00	4.74	0.22	0.00	0.07
12/29/16	6.38	0.00	0.00	0.00	4.73	0.21	0.00	0.07
12/30/16	5.07	0.67	0.00	0.00	4.73	0.22	0.00	0.07
12/31/16	4.93	0.00	0.00	0.00	4.61	0.20	0.00	0.09

US Steel
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MONITORING REPORT
FOR BATTERY: C
FROM: 12/1/2016 TO: 12/31/2016

REASON: Routine | REGULATION: All | AGENCY: All

BATTERY C	←	DAILY	PERCENTAGE	→	←	30 DAY	AVERAGE	→
	CHARGING	% DOORS	% LIDS	% OFFT	CHARGING	% DOORS	% LIDS	% OFFT
DATE	LOG AVG	LEAKING	LEAKING	LEAKING	LOG AVG	LEAKING	LEAKING	LEAKING
12/01/16	55.50	1.19	0.00	0.00	4.58	0.66	0.00	0.00
12/02/16	5.79	0.00	0.00	0.00	4.68	0.66	0.00	0.00
12/03/16	2.57	0.00	0.00	0.00	4.70	0.66	0.00	0.00
12/04/16	5.52	0.00	0.00	0.00	4.77	0.66	0.00	0.00
12/05/16	5.53	3.57	0.00	0.00	4.77	0.78	0.00	0.00
12/06/16	5.79	0.00	0.00	0.00	4.73	0.78	0.00	0.00
12/07/16	0.66	0.60	0.00	0.00	4.71	0.74	0.00	0.00
12/08/16	6.76	0.60	0.00	0.00	4.87	0.64	0.00	0.00
12/09/16	2.18	0.00	0.00	0.00	4.73	0.66	0.00	0.00
12/10/16	3.28	0.60	0.00	0.00	4.78	0.68	0.00	0.00
12/11/16	5.66	0.00	0.00	0.00	4.86	0.66	0.00	0.00
12/12/16	2.76	0.00	0.00	0.00	4.84	0.68	0.00	0.00
12/13/16	7.96	0.60	0.00	0.00	4.85	0.66	0.00	0.00
12/14/16	2.57	0.00	0.00	0.00	4.68	0.64	0.00	0.00
12/15/16	3.64	0.00	0.00	0.00	4.72	0.62	0.00	0.00
12/16/16	1.14	0.00	0.00	0.00	4.63	0.60	0.00	0.00
12/17/16	0.68	0.00	0.00	0.00	4.34	0.54	0.00	0.00
12/18/16	4.61	0.00	0.00	0.00	4.56	0.52	0.00	0.00
12/19/16	3.54	0.00	0.00	0.00	4.52	0.50	0.00	0.00
12/20/16	2.57	0.00	0.00	0.00	4.48	0.50	0.00	0.00
12/21/16	3.34	1.19	0.00	0.00	4.47	0.54	0.00	0.00
12/22/16	120.79	0.00	0.00	0.00	5.11	0.54	0.00	0.00
12/23/16	41.75	0.60	0.00	0.00	5.67	0.56	0.00	0.00
12/24/16	3.58	0.60	0.00	0.00	5.77	0.54	0.00	0.00
12/25/16	9.98	0.00	0.00	0.00	5.67	0.56	0.00	0.00
12/26/16	8.15	1.19	0.00	0.00	6.08	0.58	0.00	0.00
12/27/16	29.86	1.19	0.00	0.00	6.41	0.56	0.00	0.00
12/28/16	2.37	0.00	0.00	0.00	6.34	0.54	0.00	0.00
12/29/16	7.19	1.19	0.00	0.00	6.52	0.46	0.00	0.00
12/30/16	6.40	0.60	0.00	0.00	6.32	0.54	0.00	0.00
12/31/16	4.49	0.00	0.00	0.00	6.38	0.42	0.00	0.00