



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

September 14, 2020

Mr. William Clark
Coke Oven Engineer
Allegheny County Health Department
Department of Air Quality
301 Thirty-ninth Street
Pittsburgh, PA 15201

Subject: USS Clairton Works
Process Information
Title V Permit 0052

Dear Sir:

The attached forms list Clairton Plant coking and desulfurization process information for the month of August, 2020. This satisfies the requirements of paragraphs IV.29, V.A.5.a, V.C.5.a, V.E.5.a, and V.N.5.c of the Title V operating permit #0052 as issued on March 27, 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Michael Dzurinko at 412-233-1467.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael S. Rhoads'.

Michael S. Rhoads
Plant Manager
Clairton Works

**MONTHLY REPORT TO ALLEGHENY COUNTY HEALTH DEPARTMENT
BUREAU OF AIR POLLUTION CONTROL
COKE PLANT OPERATION DATA
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)**

for Month: 8 Year: 2020 BAPC Use Only Date Received: _____
(to be received by the Bureau no later than 20 days after the end of each month)

DAILY AVERAGE FOR THE MONTH

Coal Charged (Tons)	8,283
Coke Produced (Tons)	6,163
Total COG Produced (MMCF)	115.5
Quench Water Used (Gallons)	1,017,000 (Estimated)
Elemental Sulfur Produced (Tons)	23.5
Sulfur Content of Coal (%)	1.02
Sulfur Content of Coke (%)	0.82

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	3725	3714	99.70%
System 13,14,15	2407	2390	99.29%
System 19,20	3408	3408	100.00%
"B" Battery	1480	1480	100.00%
"C" Battery	1579	1579	100.00%
Total	12599	12571	99.78%

PUSHING CONTROL OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDWN #	Reason(s) for Outage
1 2 3 PEC	08/05/20	1458	08/05/20	1626	1.47	2	20-0014	ACHD# 21731; Hood Car Fault
1 2 3 PEC	08/09/20	1344	08/05/20	1447	1.05	3	20-0017	ACHD# 21735; Hood Car Encoder Fault
1 2 3 PEC	08/19/20	1717	08/19/20	2000	2.72	6	20-0018	ACHD# 21742; Door Machine Derailment
13 14 15 PEC	08/25/20	1120	08/25/20	1339	2.32	12	20-0019	ACHD# 21746; Hood Car Broken Switch
13 14 15 PEC	08/28/20	23315	08/29/20	0130	2.25	5	20-0021	ACHD# 21751; Hood Car Encoder Fault

CONTAMINATED WATER (C. W.) QUENCHING SUMMARY *

Date	Start Time	End Date	Time	Hrs. Out	BAPC BRKDWN #	Avg. C.W. (GPM) to: Quench	Treatment Plant	Cause of C.W. Usage
Total:								

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Environmental

Date: Sep 14, 2020

Signature: 

* Attach additional pages if necessary

**MONTHLY REPORT TO ALLEGHENY COUNTY HEALTH DEPARTMENT
BUREAU OF AIR POLLUTION CONTROL
DESULFURIZATION PLANT DATA
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)**

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H2S OR EQUIVALENT H2S (GR./100 DSCF) IN:

Date	1 % of Raw COG	2 Clean COG	3 Tail Gas	2 + 3	Date	1 % of Raw COG	2 Clean COG	3 Tail Gas	2 + 3
1	2.4	7.2	0.4	7.6	17	3.0	4.9	0.4	5.3
2	2.3	5.3	0.3	5.6	18	2.8	4.3	0.1	4.4
3	2.5	6.4	0.5	6.9	19	2.5	3.2	0.1	3.3
4	2.3	4.6	0.4	5.0	20	2.9	3.8	0.1	3.9
5	2.3	3.9	0.2	4.1	21	3.1	4.4	0.2	4.6
6	2.6	4.2	0.3	4.5	22	3.0	4.5	0.2	4.7
7	2.4	5.0	0.3	5.3	23	2.6	4.7	0.2	4.9
8	2.5	5.0	0.3	5.3	24	2.6	4.6	0.2	4.8
9	2.8	11.6	0.3	11.9	25	2.8	4.8	0.1	4.9
10	2.7	5.2	0.5	5.7	26	2.8	4.4	0.1	4.5
11	2.7	5.0	0.2	5.2	27	2.8	4.4	0.1	4.5
12	2.8	5.1	0.2	5.3	28	2.8	4.4	0.2	4.6
13	2.7	5.4	0.2	5.6	29	2.8	4.5	0.1	4.6
14	2.8	5.7	0.0	5.7	30	2.7	4.2	0.2	4.4
15	2.6	5.4	0.3	5.7	31	2.6	4.3	0.1	4.4
16	2.7	5.4	0.4	5.8	Avg. Mo.	2.7	5.1	0.2	5.3

Plant Std. Gr. H2S/100 DSCF 35
of Days that [2+3] Exceeded Std. 0
NA - Stack analyzer down

DESULFURIZATION PLANT OUTAGE SUMMARY ***

Date	Start Time	End Date	Time	Hrs. Out	USS BRKDWN #	Cause
08/03/20	1715	08/03/20	1927	2.20	20-0013	ACHD# 21729; #2 Control Room, Quad Maintenance
08/09/20	1128	08/09/20	1530	4.03	20-0016	ACHD# 21734; Sulfur Plant, 100 VCU Malfunction

** Redundant Equipment or No Environmental Impact

Total: 6.2
Percent Availability of COG Desulf. Plant (Monthly) 99.16%

*** Desulfurization Plant reporting includes upstream processes which affect overall recovery

RAW COKE OVEN GAS INCIDENTS

Date	Battery	Start Time	End Time	Duration		Flared		Cause of incident
				Minutes	Seconds	Yes	No	
08/06/20	1	0950	0950	0	30	Yes		Mercoid Switch Failure

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Signature: *Michael G. Dzurinko*

* Attach additional pages if necessary

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QUENCH TOWER OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not Baffled	USS BRKDWN #	Reason(s) for Outage
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Signature: *Michael G. Dzurinko*

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Pushing Control Operation at Reduced Efficiency Summary *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Reduced Efficiency	USS BRKDWN #	Reason(s) for Outage
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STACK CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

Facility	Start Date	Time	End Date	Time	Duration Hrs.	USS Reference #	Reason(s) for Outage
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Date: Sep 14, 2020

Signature: *Michael A. Dzurinko*

* Attach additional pages if necessary

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for Month: 8

Year: 2020


Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
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