



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

October 13, 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 September, 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 Jonelle Scheetz at 412-233-1015.

Sincerely,

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

Michael S. Rhoads
Plant Manager
Clairton Works

Attachment

**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: 9 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)	8,071
Coke Produced (Tons)	6,140
Total COG Produced (MMCF)	112.8
Quench Water Used (Gallons)	1,013,000 (Estimated)
Elemental Sulfur Produced (Tons)	21.4
Sulfur Content of Coal (%)	1.01
Sulfur Content of Coke (%)	0.82

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	3563	3539	99.33%
System 13,14,15	2297	2294	99.87%
System 19,20	3246	3243	99.91%
"B" Battery	1456	1456	100.00%
"C" Battery	1608	1608	100.00%
Total	12170	12140	99.75%

PUSHING CONTROL OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDWN #	Reason(s) for Outage
19 20 PEC	01-Sep-20	1630	01-Sep-20	1812	1.70	3	20-0022	ACHD# 21757; Hood Car Damper Fault
13 14 15 PEC	04-Sep-20	1033	04-Sep-20	1130	0.95	3	20-0023	ACHD# 21761; Hood Car Control Fault
1 2 3 PEC	08-Sep-20	1640	08-Sep-20	1715	0.58	3	20-0024	ACHD# 21764; Hood Car Blown Fuse
1 2 3 PEC	09-Sep-20	1845	09-Sep-20	1930	0.75	3	20-0025	ACHD# 21769; Hood Car Electrical Fault
1 2 3 PEC	16-Sep-20	2220	17-Sep-20	0100	2.67	12	20-0026	ACHD# 21775; Hood Car Travel Fault
1 2 3 PEC	24-Sep-20	0950	24-Sep-20	1100	1.17	4	20-0027	ACHD# 21778; Hood Car Travel 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: Oct 13, 2020

Signature: *Michael A. Dzurinko*

* Attach additional pages if necessary

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

for Month: 9 Year: 2020 BAPC Use Only
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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	2.3	4.5	0.3	4.8	17	2.5	3.1	0.0	3.1
2	2.4	3.6	0.0	3.6	18	2.1	3.5	0.0	3.5
3	2.4	3.8	0.0	3.8	19	2.3	3.6	0.0	3.6
4	2.5	3.8	0.2	4.0	20	2.4	3.7	0.0	3.7
5	2.6	4.0	0.1	4.1	21	2.4	3.7	0.0	3.7
6	2.7	4.0	0.1	4.1	22	2.6	3.5	0.0	3.5
7	2.6	3.9	0.0	3.9	23	2.8	3.3	0.0	3.3
8	2.2	3.5	0.1	3.6	24	2.6	4.0	0.0	4.0
9	2.1	3.6	0.2	3.8	25	2.4	4.1	0.0	4.1
10	2.4	3.9	0.0	3.9	26	2.1	4.5	0.0	4.5
11	2.6	3.2	8.8	12.0	27	2.2	4.5	0.0	4.5
12	2.7	3.3	0.3	3.6	28	2.5	4.2	0.0	4.2
13	2.8	3.2	0.1	3.3	29	2.5	3.4	0.0	3.4
14	2.6	2.9	0.1	3.0	30	2.7	3.9	0.0	3.9
15	1.1	2.7	0.1	2.8					
16	2.0	3.4	0.0	3.4	Avg. Mo.	2.4	3.7	0.3	4.0

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
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** Redundant Equipment or No Environmental Impact

Total: 0.0
Percent Availability of COG Desulf. Plant (Monthly) 100.00%

*** 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	
17-Sep-20	19	9:15	9:15	0	20	YES		Loss of Suction
17-Sep-20	1	10:04	10:05	1	0	YES		Problem at #1 Control Room
17-Sep-20	2	10:04	10:05	1	0	YES		Problem at #1 Control Room
17-Sep-20	3	10:04	10:05	1	0	YES		Problem at #1 Control Room

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QUENCH TOWER OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not Baffled	USS BRKDOWN #	Reason(s) for Outage
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Date Received: _____

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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USX CORPORATION - USS CLAIRTON WORKS (Please print or type)

for Month: 9

Year: 2020

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
1 2 3 PEC	16-Sep-20	3	2	Hood Car Travel Fault

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