



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

November 11, 2021

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 October, 2021. 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

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: 10 Year: 2021 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)	13,557
Coke Produced (Tons)	10,808
Total COG Produced (MMCF)	170.6
Quench Water Used (Gallons)	1,783,000 (Estimated)
Elemental Sulfur Produced (Tons)	37.0
Sulfur Content of Coal (%)	0.96
Sulfur Content of Coke (%)	0.78

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5887	5887	100.00%
System 13,14,15	3325	3325	100.00%
System 19,20	5669	5660	99.84%
"B" Battery	2685	2685	100.00%
"C" Battery	3059	3059	100.00%
Total	20625	20616	99.96%

PUSHING CONTROL OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
19 20 PEC	14-Oct-21	0040	14-Oct-21	0145	1.08	9	21-0046	ACHD 22133; Overextended Cable

CONTAMINATED WATER (C. W.) QUENCHING SUMMARY *

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

* 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)**

for Month: 10 Year: 2021 BAPC Use Only Date Received: _____
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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	3.5	5.0	0.1	5.1	17	3.7	5.7	0.2	5.9
2	3.6	5.4	0.1	5.5	18	3.7	5.6	0.2	5.8
3	3.7	6.0	0.2	6.2	19	3.3	3.9	0.2	4.1
4	3.6	5.8	0.1	5.9	20	3.5	5.1	0.2	5.3
5	3.2	4.9	0.2	5.1	21	3.7	6.0	0.2	6.2
6	3.4	5.5	0.1	5.6	22	3.6	6.2	0.1	6.3
7	3.6	5.7	0.1	5.8	23	3.7	6.3	0.2	6.5
8	3.6	5.9	0.1	6.0	24	3.9	6.6	0.2	6.8
9	3.6	6.1	0.1	6.2	25	3.6	6.0	0.1	6.1
10	3.4	6.2	0.1	6.3	26	3.6	5.2	0.2	5.4
11	3.5	5.9	0.2	6.1	27	3.5	5.4	0.1	5.5
12	3.6	5.7	0.2	5.9	28	3.4	4.3	0.2	4.5
13	3.4	5.8	0.2	6.0	29	3.6	6.0	0.2	6.2
14	3.4	5.6	0.1	5.7	30	3.5	5.7	0.3	6.0
15	3.4	5.6	0.2	5.8	31	3.6	5.5	0.3	5.8
16	3.4	5.6	0.2	5.8	Avg. Mo.	3.5	5.6	0.2	5.8

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	
1-Oct-21	C	12:01	12:16	15	0	YES		Went into Positive Pressure, Manually Closed Dish
11-Oct-21	C	14:40	14:41	1	0	YES		Flare Damper Arms Faulted; Rest Arms
12-Oct-21	C	1:10	1:10	0	5	YES		Comm Loss
12-Oct-21	C	1:21	1:21	0	5	YES		Comm Loss
10/18/12	C	23:50	3:30	10	0	YES		Broken Fiber Optic Wire. Wire Repaired
10/23/21	C	9:45	9:50	5	0	YES		Loss of Network Communication

* Attach additional pages if necessary

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for Month: 10 Year: 2021 BAPC Use Only
(to be received by the Bureau no later than 20 days after the end of each month) Date Received: _____

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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for Month: 10 Year: 2021
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BAPC Use Only
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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COKE PLANT OPERATION DATA
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for Month: 10

Year: 2021

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
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for Month: 10 Year: 2021
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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
19 Battery Stack							

* Attach additional pages if necessary