



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

May 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 April, 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 blue 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: 4 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)	13,744
Coke Produced (Tons)	10,727
Total COG Produced (MMCF)	171.2
Quench Water Used (Gallons)	1,770,000 (Estimated)
Elemental Sulfur Produced (Tons)	41.9
Sulfur Content of Coal (%)	0.99
Sulfur Content of Coke (%)	0.81

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5446	5421	99.54%
System 13,14,15	3296	3285	99.67%
System 19,20	5428	5423	99.91%
"B" Battery	2582	2582	100.00%
"C" Battery	2953	2953	100.00%
Total	19705	19664	99.79%

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	02-Apr-21	2230	02-Apr-21	2340	1.17	5	21-0011	ACHD# 21938; PEC Hood Car Out of Service
13 14 15 PEC	07-Apr-21	1950	07-Apr-21	2200	2.17	11	21-0013	ACHD# 21943; PEC Hood Car Drive Motor Fault
1 2 3 PEC	15-Apr-21	0038	15-Apr-21	0313	2.58	22	21-0014	ACHD# 21951; Loss of Suction From Baghouse

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:								

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Works – Plant Environmental

Date: May 11, 2021

Signature: *Michael G. Dzurinko*

* 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	3.1	4.5	0.1	4.6	17	3.0	5.5	0.2	5.7
2	2.9	4.9	0.1	5.0	18	2.9	5.4	0.1	5.5
3	2.8	4.7	0.0	4.7	19	2.4	5.0	0.2	5.2
4	2.8	4.1	0.1	4.2	20	2.3	4.6	0.1	4.7
5	2.8	4.4	0.0	4.4	21	2.7	5.5	0.1	5.6
6	2.9	4.4	0.1	4.5	22	2.5	5.4	0.1	5.5
7	2.8	3.8	0.2	4.0	23	2.4	4.8	0.2	5.0
8	3.1	3.8	0.2	4.0	24	2.2	4.5	0.1	4.6
9	3.1	4.1	0.2	4.3	25	2.3	5.4	0.2	5.6
10	3.0	4.5	0.2	4.7	26	2.7	4.2	0.1	4.3
11	2.7	4.7	0.2	4.9	27	2.3	4.5	0.1	4.6
12	2.6	5.1	0.2	5.3	28	1.8	4.1	0.2	4.3
13	2.6	4.7	0.1	4.8	29	1.7	4.6	0.2	4.8
14	2.8	5.1	0.2	5.3	30	2.3	4.5	0.1	4.6
15	2.9	5.1	0.2	5.3	31	NA	NA	NA	NA
16	2.8	4.9	0.2	5.1	Avg. Mo.	2.7	4.7	0.1	4.8

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 BRKDOWN #	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	
22-Apr-21	1	3:20	3:21	1	50	Yes		Loss of Suction.

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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 BRKDOWN #	Reason(s) for Outage
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Signature: *Michael A. 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 BRKDOWN #	Reason(s) for Outage
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for Month: 4

Year: 2021

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
1 2 3 PEC	21-Apr-21	3	3	PEC Hood Loss of Suction

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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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Signature: 

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