



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

December 05, 2022

Mr. Gary Fichsman
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 November, 2022. 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)**

Month: 11 Year: 2022 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)	13,281
Coke Produced (Tons)	9,931
Total COG Produced (MMCF)	175.0
Quench Water Used (Gallons)	1,639,000 (Estimated)
Elemental Sulfur Produced (Tons)	37.4
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	5676	5676	100.00%
System 13,14,15	3321	3321	100.00%
System 19,20	5399	5390	99.83%
"B" Battery	2484	2484	100.00%
"C" Battery	2672	2672	100.00%
Total	19552	19543	99.95%

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	25-Nov-22	1535	25-Nov-22	2000	4.42	8	22-0048	ACHD# 22450; Lost Communication to PEC Hood

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:								

* Attach additional pages if necessary

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BUREAU OF AIR POLLUTION CONTROL
DESULFURIZATION PLANT DATA
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)**

for Month: 11 Year: 2022 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	4.0	0.1	4.1	17	3.4	3.7	0.1	3.8
2	3.7	4.0	0.2	4.1	18	3.5	3.9	0.1	4.0
3	3.7	4.0	0.1	4.2	19	3.6	4.0	0.1	4.1
4	3.6	4.0	0.1	4.1	20	3.6	4.3	0.1	4.3
5	3.8	4.4	0.1	4.5	21	3.5	3.8	0.1	3.9
6	3.6	4.6	0.1	4.7	22	3.7	3.5	0.1	3.5
7	3.3	3.7	0.1	3.9	23	3.6	3.4	0.1	3.5
8	3.5	4.2	0.1	4.3	24	3.7	3.5	0.1	3.6
9	3.3	3.7	0.1	3.8	25	3.8	3.8	0.1	4.0
10	3.5	4.0	0.1	4.1	26	3.8	4.1	0.2	4.3
11	3.6	4.2	0.2	4.4	27	3.9	4.6	0.1	4.7
12	3.6	4.4	0.2	4.6	28	4.0	4.5	0.2	4.7
13	3.6	4.2	0.1	4.3	29	3.9	4.6	0.1	4.7
14	3.6	3.9	0.1	4.0	30	3.9	3.8	0.1	4.0
15	3.0	3.6	0.1	3.7	31	NA	0.0	NA	NA
16	3.4	3.6	0.2	3.8	Avg. Mo.	3.6	4.0	0.1	4.1

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

** 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-Nov-22	19	15:00	16:00	5	0	Yes		Flushing Return Issue

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for Month: 11 Year: 2022 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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* Attach additional pages if necessary

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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 BRKDOWN #	Reason(s) for Outage
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for Month: 11

Year: 2022

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
19 20 PEC	15-Nov-22	3	1	PEC Hood 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
# 1 Battery Stack	03-Nov-22	2210	04-Nov-22	0515	7.08	22-0045	ACHD #22444; Broken Reversing Rod
C Battery Stack	04-Nov-22	2008	05-Nov-22	0100	4.87	22-0046	ACHD #22441; Broken Reversing Linkage

* Attach additional pages if necessary