



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

December 15, 2023

Mr. Gary Ficshman
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, 2023. 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 'Mark A. Jeffery', written over a horizontal line.

Mark A. Jeffery
Plant Manager
Clairton Works

Attachment

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

Month: 11 Year: 2023 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)	11,350
Coke Produced (Tons)	8,637
Total COG Produced (MMCF)	146.2
Quench Water Used (Gallons)	1,425,000 (Estimated)
Elemental Sulfur Produced (Tons)	32.9
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 13,14,15	4177	4163	99.66%
System 19,20	5422	5422	100.00%
"B" Battery	2491	2491	100.00%
"C" Battery	2925	2925	100.00%
Total	15015	15001	99.91%

PUSHING CONTROL OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDWN #	Reason(s) for Outage
13 14 15 PEC	28-Nov-23	2120	29-Nov-23	0005	2.75	14	23-0024	ACHD #22665; PEC Hood Limit Dislodged

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
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Total:

* 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: 11 Year: 2023 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	3.0	4.9	0.2	5.1	17	2.7	4.7	0.1	4.8
2	2.9	4.6	0.1	4.7	18	2.7	4.9	0.1	4.9
3	2.9	3.8	0.1	3.9	19	2.8	5.7	0.2	5.8
4	2.9	5.2	0.1	5.3	20	2.7	5.2	0.2	5.3
5	3.1	5.8	0.1	5.9	21	2.9	5.6	0.1	5.7
6	2.9	5.6	0.1	5.7	22	2.8	5.5	0.2	5.6
7	2.9	5.9	0.2	6.0	23	2.8	5.4	0.2	5.6
8	3.1	6.7	0.2	6.9	24	2.9	5.5	0.1	5.6
9	2.9	6.4	0.1	6.5	25	3.1	6.1	0.1	6.2
10	3.0	6.9	0.1	7.0	26	2.8	6.0	0.1	6.1
11	3.0	6.9	0.1	7.0	27	2.7	5.1	0.1	5.2
12	3.0	6.3	0.1	6.4	28	2.7	5.6	0.1	5.7
13	2.6	5.5	0.1	5.6	29	2.6	5.2	0.1	5.3
14	2.4	5.0	0.1	5.1	30	2.8	5.7	0.1	5.8
15	2.5	4.2	0.2	4.4	31	NA	0.0	NA	NA
16	2.5	3.9	0.2	4.1	Avg. Mo.	2.8	5.5	0.1	5.6

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	
15-Nov-23	C	0:55	1:07	11	52	YES		Communication Loss
15-Nov-23	C	8:26	8:26	0	8	YES		E-Top Change North Main (Rexa Recalibra
15-Nov-23	C	8:30	8:30	0	10	YES		E-Top Change North Main (Rexa Recalibra

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for Month: 11 Year: 2023 BAPC Use Only
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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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* Attach additional pages if necessary

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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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BUREAU OF AIR POLLUTION CONTROL
COKE PLANT OPERATION DATA

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

for Month: 11

Year: 2023

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	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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* Attach additional pages if necessary