



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

October 15, 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 September, 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: 9 Year: 2021 BAPC Use Only
(to be received by the Bureau no later than 20 days after the end of each month) Date Received: _____

DAILY AVERAGE FOR THE MONTH

Coal Charged (Tons)	13,902
Coke Produced (Tons)	10,537
Total COG Produced (MMCF)	167.7
Quench Water Used (Gallons)	1,739,000 (Estimated)
Elemental Sulfur Produced (Tons)	38.1
Sulfur Content of Coal (%)	0.95
Sulfur Content of Coke (%)	0.78

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5658	5648	99.82%
System 13,14,15	3192	3181	99.66%
System 19,20	5439	5439	100.00%
"B" Battery	2597	2597	100.00%
"C" Battery	2926	2926	100.00%
Total	19812	19791	99.89%

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	12-Sep-21	0552	12-Sep-21	0730	1.63	8	21-0041	ACHD# 22100; Loss of Communication to Hood
13 14 15 PEC	13-Sep-21	1350	13-Sep-21	1430	0.67	3	21-0042	ACHD# 22102; Loss of Communication to Hood
1 2 3 PEC	23-Sep-21	0947	23-Sep-21	1049	1.03	3	21-0043	ACHD# 22112; Loss of Travel in 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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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	3.3	4.7	0.4	5.1	17	3.5	5.2	0.2	5.4
2	3.1	4.2	0.2	4.4	18	3.6	5.4	0.2	5.6
3	3.4	5.1	0.1	5.2	19	3.5	5.1	0.3	5.4
4	3.6	5.2	0.1	5.3	20	3.5	4.8	0.1	4.9
5	3.5	4.8	0.1	4.9	21	3.5	5.2	0.3	5.5
6	3.4	4.6	0.1	4.7	22	3.4	5.3	0.2	5.5
7	3.4	4.3	0.1	4.4	23	3.4	5.4	0.2	5.6
8	3.1	3.6	0.2	3.8	24	3.5	5.3	0.1	5.4
9	3.3	4.0	0.2	4.2	25	3.6	5.6	0.1	5.7
10	3.2	4.3	0.1	4.4	26	3.6	5.5	0.1	5.6
11	3.5	4.7	0.1	4.8	27	3.3	4.9	0.1	5.0
12	3.6	4.8	0.1	4.9	28	3.5	5.2	0.1	5.3
13	3.5	4.5	0.1	4.6	29	3.4	5.0	0.1	5.1
14	3.1	4.2	0.1	4.3	30	3.3	5.0	0.1	5.1
15	3.3	4.9	0.4	5.3	31	NA	0.0	NA	NA
16	3.5	5.4	0.1	5.5	Avg. Mo.	3.4	4.8	0.2	5.0

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	
29-Sep-21	C	1630	1705	35	0	Yes		Rexa Adjustment

* 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 BRKDWN #	Reason(s) for Outage
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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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for Month: 9

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	17-Sep-21	2	7	Power Supply Fault

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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	01-Sep-21	1738	01-Sep-21	2023	2.8	21-0040	Out of Service Reversing Machine

* Attach additional pages if necessary