



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

February 10, 2022

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 January, 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 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: 1 Year: 2022 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)	13,311
Coke Produced (Tons)	10,182
Total COG Produced (MMCF)	171.0
Quench Water Used (Gallons)	1,680,000 (Estimated)
Elemental Sulfur Produced (Tons)	38.0
Sulfur Content of Coal (%)	0.95
Sulfur Content of Coke (%)	0.77

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5808	5808	100.00%
System 13,14,15	3336	3333	99.91%
System 19,20	5510	5464	99.17%
"B" Battery	2662	2662	100.00%
"C" Battery	3009	3009	100.00%
Total	20325	20276	99.76%

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	06-Jan-22	0945	06-Jan-22	1625	6.67	35	22-0001	ACHD# 22185; Physical Damage to Hood
19 20 PEC	22-Jan-22	0400	22-Jan-22	0520	1.33	11	22-0002	ACHD# 22199; Belt Jammed on Hood Drive

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

**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: 1 Year: 2022 BAPC Use Only
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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	3.9	5.5	0.2	5.7	17	3.9	6.2	0.1	6.3
2	4.1	5.2	0.2	5.4	18	3.9	7.0	0.2	7.2
3	4.3	5.8	0.7	6.5	19	3.9	6.9	0.2	7.1
4	3.8	6.1	0.6	6.7	20	3.8	6.2	0.2	6.4
5	3.6	6.6	0.1	6.7	21	3.7	5.4	0.1	5.5
6	3.6	6.6	0.1	6.7	22	3.7	6.4	0.1	6.5
7	3.6	6.5	0.1	6.6	23	3.8	6.4	0.1	6.5
8	3.8	6.6	0.1	6.7	24	3.8	6.7	0.1	6.8
9	4.0	7.0	0.1	7.1	25	3.9	6.3	0.1	6.4
10	4.0	6.6	0.1	6.7	26	3.9	6.1	0.1	6.2
11	3.9	5.8	0.1	5.9	27	3.8	6.9	0.1	7.0
12	3.6	6.3	0.1	6.4	28	3.9	6.6	0.2	6.8
13	3.9	5.3	0.1	5.4	29	3.8	6.5	0.1	6.6
14	3.9	6.4	0.1	6.5	30	3.8	6.6	0.1	6.7
15	3.9	6.5	0.1	6.6	31	3.9	6.3	0.1	6.4
16	3.8	6.7	0.1	6.8	Avg. Mo.	3.8	6.3	0.2	6.5

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	
6-Jan-22	20	5:29	5:39	10	0	YES		Electrical Failure
12-Jan-22	1	18:00	18:01	1	10	YES		Loss of suction at #1 Control Room
12-Jan-22	2	18:00	18:01	1	8	YES		Loss of suction at #1 Control Room
12-Jan-22	3	18:02	18:03	1	25	YES		Loss of suction at #1 Control Room
13-Jan-22	B	18:00	18:02	2	0	YES		Loss of suction at #1 Control Room
14-Jan-22	C	18:00	18:07	7	0	YES		Loss of suction at #1 Control Room

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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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* Attach additional pages if necessary

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for Month: 1 Year: 2022
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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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COKE PLANT OPERATION DATA
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)

for Month: 1

Year: 2022

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
13 15 15 PEC	27-Jan-22	1	3	Lost Travel to Hood Car

* Attach additional pages if necessary

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for Month: 1 Year: 2022
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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