



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

January 18, 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 December, 2020. 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 'M. 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: 12 Year: 2020 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)	10,658
Coke Produced (Tons)	8,291
Total COG Produced (MMCF)	137.9
Quench Water Used (Gallons)	1,368,000 (Estimated)
Elemental Sulfur Produced (Tons)	31.1
Sulfur Content of Coal (%)	0.96
Sulfur Content of Coke (%)	0.78

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	3681	3609	98.04%
System 13,14,15	2869	2860	99.69%
System 19,20	4093	4075	99.56%
"B" Battery	2404	2404	100.00%
"C" Battery	2596	2596	100.00%
Total	15643	15544	99.37%

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	02-Dec-20	1100	02-Dec-20	1122	0.37	1	20-0033	ACHD# 21821; Electrical Issue With Hood Car
1 2 3 PEC	06-Dec-20	1435	06-Dec-20	1638	2.05	3	20-0034	ACHD# 21828; No Suction From Hood Car
19 20 PEC	07-Dec-20	0300	07-Dec-20	0630	3.50	17	20-0035	ACHD# 21829; Encoder Feedback Loss
1 2 3 PEC	15-Dec-20	1855	15-Dec-20	2030	1.58	5	20-0036	ACHD# 21841; Low Suction From Hood Car
13 14 15 PEC	21-Dec-20	1600	21-Dec-20	1800	2.00	9	20-0037	ACHD# 21849; Hood Car Damper Stuck in Open
1 2 3 PEC	25-Dec-20	0431	25-Dec-20	1820	13.82	64	20-0039	ACHD# 21858; Hood Car Drive Fault

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:								

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Works – Plant Environmental

Date: Jan 18, 2021

Signature: 

* 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: 12 Year: 2020 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	2.8	4.5	0.0	4.5	17	3.2	8.0	0.2	8.2
2	3.0	4.9	0.3	5.2	18	3.5	9.9	0.3	10.2
3	2.9	14.2	0.4	14.6	19	3.3	9.4	0.4	9.8
4	2.8	4.7	0.3	5.0	20	3.4	10.3	0.6	10.9
5	2.6	4.7	0.4	5.1	21	3.2	10.2	0.7	10.9
6	2.7	5.4	0.1	5.5	22	3.4	9.2	0.7	9.9
7	2.6	6.6	0.2	6.8	23	2.9	6.8	0.7	7.5
8	2.5	6.8	0.2	7.0	24	2.9	6.7	0.4	7.1
9	2.7	8.3	0.2	8.5	25	2.9	7.1	0.4	7.5
10	3.0	10.2	0.2	10.4	26	2.7	6.0	0.4	6.4
11	3.3	6.8	0.3	7.1	27	2.8	6.7	0.5	7.2
12	3.1	7.6	0.9	8.5	28	2.9	7.1	0.6	7.7
13	3.0	6.5	0.4	6.9	29	2.8	7.0	0.6	7.6
14	3.1	8.3	0.2	8.5	30	2.9	6.7	0.4	7.1
15	2.9	7.7	0.2	7.9	31	2.8	7.2	0.3	7.5
16	3.0	7.0	0.2	7.2	Avg. Mo.	2.9	7.5	0.4	7.9

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	
4-Dec-20	19	1348	1350	2	0	Yes		Low Suction
16-Dec-20	19	0710	0711	1	10	Yes		Suction Issues Due to Work at #1 Control Room

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Works – Plant Environmental

Date: Jan 18, 2021

Signature: *Michael G. Dzurinko*

* Attach additional pages if necessary

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(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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Signature: *Michael G. Dzurinko*

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for Month: 12 Year: 2020
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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 BRKDWN #	Reason(s) for Outage
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Signature: *Michael A. Dzurinko*

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

for Month: 12

Year: 2020


Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
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for Month: 12 Year: 2020
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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	22-Dec-20	1100	22-Dec-20	1203	1.1	20-0038	ACHD# 21854; 19 Reversing Machine Out of Service

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