



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

March 12, 2020

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 February, 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 Jonelle Scheetz at 412-233-1015.

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)

for Month: 2 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)	11,191
Coke Produced (Tons)	8,559
Total COG Produced (MMCF)	146.2
Quench Water Used (Gallons)	1,412,000 (Estimated)
Elemental Sulfur Produced (Tons)	30.6
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 1,2,3	4984	4980	99.92%
System 13,14,15	2919	2919	100.00%
System 19,20	4293	4264	99.32%
"B" Battery	1899	1899	100.00%
"C" Battery	2146	2146	100.00%
Total	16241	16208	99.80%

PUSHING CONTROL OUTAGE SUMMARY *

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
19 20 PEC	08-Feb-20	0511	08-Feb-20	0904	3.9	12	20-0003	ACHD# 21581; Hood Car Power Supply Wiring
19 20 PEC	13-Feb-20	0055	13-Feb-20	0310	2.3	17	20-0004	ACHD# 21583; Positioning Encoder Repaired

CONTAMINATED WATER (C. W.) QUENCHING SUMMARY *

Date	Start Time	End Date	Time	Hrs. Out	BAPC BRKDOWN #	Avg. C.W. (GPM) to: Quench	Treatment Plant	Cause of C.W. Usage
Total:								

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Environmental

Date: Mar 13, 2020

Signature: *Michael G. Dzurinko*

* 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: 2 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	4.9	0.3	5.2	17	2.4	5.0	0.5	5.5
2	2.5	5.3	0.3	5.6	18	2.4	5.7	0.3	6.0
3	2.4	4.7	0.3	5.0	19	2.5	4.9	0.3	5.2
4	2.6	5.5	0.3	5.8	20	2.5	4.7	0.2	4.9
5	2.7	5.8	0.3	6.1	21	2.6	5.6	0.3	5.8
6	2.6	5.4	0.4	5.7	22	2.6	5.2	0.3	5.5
7	2.7	5.7	0.3	6.0	23	2.5	4.8	0.5	5.3
8	2.7	5.4	0.2	5.7	24	2.4	4.5	0.3	4.8
9	2.7	5.3	0.2	5.5	25	2.4	4.7	0.2	4.8
10	2.6	5.1	0.3	5.4	26	2.5	5.3	0.3	5.6
11	2.5	5.0	0.3	5.2	27	2.5	5.5	0.2	5.7
12	2.4	4.9	0.3	5.1	28	2.5	7.0	0.2	7.2
13	2.3	4.7	0.4	5.0	29	2.6	6.3	0.3	6.6
14	2.4	5.1	0.3	5.4	30	NA	0.0	NA	NA
15	2.6	6.1	0.3	6.4	31	NA	0.0	NA	NA
16	2.6	5.8	0.4	6.2	Avg. Mo.	2.5	5.3	0.3	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 BRKDWN #	Cause
02/28/20	2353	02/29/20	0042	0.82	20-0005	ACHD# 21594; Sulfur Plant, Rich Solution Restriction

** Redundant Equipment or No Environmental Impact

Total: 0.8
Percent Availability of COG Desulf. Plant (Monthly) 99.88%

*** 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	
02/13/20	13	18:05	18:05	0	10	YES		Drop in Suction Pressure; Operator Error
02/13/20	14	18:05	18:05	0	10	YES		Drop in Suction Pressure; Operator Error
02/13/20	15	18:05	18:05	0	10	YES		Drop in Suction Pressure; Operator Error

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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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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: 2 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
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for Month: 2

Year: 2020

Pushing Control Outage Summary
(1 Hour or Less Duration)

System	Date	Turn	# Ovens Not PEC	Reason(s) for Outage
1 2 3 PEC	2-8	2	4	Replaced Hood Car Thermal Drive Overload

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