

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

May 10, 2022

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 April, 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,

Michael S. Rhoads Plant Manager

Clairton Works

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)

(to be received by the Bureau no later than 20 days after the end of each month)	Month: (to be received by the I	4 Bureau no	Year: later than 20 days	2022 s after the	BAPC Use Only Date Received:	
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DAILY AVERAGE FOR THE MONTH

Coal Charged (Tons) Coke Produced (Tons)	14,019	
Total COG Produced (MMCF) Quench Water Used (Gallons) Elemental Sulfur Produced (Tons) Sulfur Content of Coal (%)	10,493 179.1 1,731,000 39.8 0.99	(Estimated)
Sulfur Content of Coke (%)	0.80	

PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3 System 13,14,15 System 19,20 "B" Battery "C" Battery	5808 3315 5500 2638 2982	5795 3315 5491 2638 2982	99.78% 100.00% 99.84% 100.00% 100.00%
Total	20243	20221	99.89%

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-Apr-22	2320	07-Apr-22	0045	1.42	9	22-0018	ACHD# 22270; Damaged Hydraulic Line
1 2 3 PEC	08-Apr-22	0130	08-Apr-22	02502	1.37	13		ACHD# 22271; No Suction on Hood Car

CONTAMINATED WATER (C. W.) QUENCHING SUMMARY *

Ctort						Avg. C.W.	(GPM) to:	
Start Date	Time	End	- -	Hrs.	BAPC		Treatment	
Date	Tille	Date	Time	Out	BRKDWN#	Quench	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)

BAPC Use Only

for Month:

Year:

2022

Date Received:

(to be received by the Bureau no later than 20 days after the end of each month)

H2S OR EQUIVALENT H2S (GR./100 DSCF) IN:

Date	1 % of Paw	2 COG Clean COG	3 Tail Gas	2.12	Dete	1	2	3	
Date	70 UI Kaw	COG Clean COG	Tall Gas	2 + 3	Date	% of Raw (COG Clean COG	Tail Gas	2 + 3
	1 3.7	5.2	0.1	5.3	17	3.9	5.2	0.2	5.4
	2 4.0	5.7	0.1	5.8	18	3.9	5.7	0.1	5.8
	3 3.9	5.7	0.3	6.0	19	3.9	5.7	0.1	5.8
	4 3.9	5.7	0.1	5.8	20	3.9	5.7	0.1	5.8
	5 3.7	5.0	0.2	5.2	21	3.3	5.0	0.1	5.1
	6 3.5	4.8	0.1	4.9	22	3.4	5.3	0.1	5.4
	7 3.8	5.4	0.1	5.5	23	3.6	5.6	0.2	5.8
	8 3.8	5.5	0.1	5.6	24	3.4	5.8	0.2	6.0
	9 3.9	5.7	0.1	5.8	25	3.3	5.6	0.2	5.8
1	0 3.9	5.9	0.1	6.0	26	3.3	5.9	0.1	6.0
1	1 3.7	5.5	0.1	5.6	27	3.6	6.7	0.2	6.9
1	2 3.7	5.2	0.1	5.3	28	3.5	6.3	0.2	6.5
. 1	3 3.7	5.1	0.1	5.2	29	3.8	7.1	0.2	7.3
1	4 3.8	5.2	0.1	5.3	30	3.9	6.7	0.1	6.8
1	5 3.7	5.2	0.1	5.3	31	NA	0.0	NA	NA
1	6 3.9	5.3	0.2	5.5	Avg. Mo.	3.7	5.7	0.1	5.8

Plant Std. Gr. H2S/100 DSCF # of Days that [2+3] Exceeded Std. 35

NA - Stack analyzer down

DESULFURIZATION PLANT OUTAGE SUMMARY ***

Sta	rt	End		Hrs.	USS		
Date	Time	Date	Time	Out	BRKDWN #	Cause	

** Redundant Equipment or No Environmental Impact

Total:

0.0

100.00%

RAW COKE OVEN GAS INCIDENTS

		Start	End	Dura	tion	Flare	d	
Date	Battery	Time	Time	Minutes	Seconds	Yes	No	Cause of incident

Percent Availability of COG Desulf. Plant (Monthly)

^{***} Desulfurization Plant reporting includes upstream processes which affect overall recovery

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:	4	Vaan	2000	BAPC Use Only	
		4	Year:	2022	Date Received:	
(to be rece	ived by the	Bureau no la	ater than 20 days	after the	end of each month)	

QUENCH TOWER OUTAGE SUMMARY*

	Start		End		Hrs.	# Ovens USS	
System	Date	Time	Date	Time	Out	Not Baffled BRKDWN#	Reason(s) for Outage

^{*} Attach additional pages if necessary

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)

Pushing Control Operation at Reduced Efficiency Summary *

Start End Hrs. # Ovens USS System Date Time Date Time Out Reduced Efficiency BRKDWN# Reason(s) for Outage

^{*} Attach additional pages if necessary

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: 4

Year: 2022

Pushing Control Outage Summary

(1 Hour or Less Duration)

Ovens

System

Date

Turn

Not PEC

Reason(s) for Outage

^{*} Attach additional pages if necessary

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: 4 Year: 2022 (to be received by the Bureau no later than 20 days after the end of each month)

STACK CONTROL SYSTEM(S) - MONTHLY AVAILABILITY

Facility

Start Date

Time

End Date

Time

Duration Hrs. USS Reference #

Reason(s) for Outage

^{*} Attach additional pages if necessary