



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

March 13, 2020

**RECEIVED**

**MAR 19 2020**

**ALLEGHENY COUNTY HEALTH DEPT.  
AIR QUALITY PROGRAM**

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 Revisions  
Title V Permit 0052

Dear Sir:

A clerical issue with the underfiring gas flow calculations did not result in any exceedances. The attached forms list Clairton Plant coking and desulfurization process information revisions for the months of August 2019, September 2019, October 2019, November 2019, December 2019, and January 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. The revisions were made to the Daily Average of the Total COG Produced (MMCF), and the H<sub>2</sub>S GR/100 for the Clean COG, Tail Gas, and combined Clean COG & Tail Gas.

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 cursive script that reads "Michael G. Dzurinko".

Michael G. Dzurinko  
Mon Valley Environmental  
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: 8 Year: 2019 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)	12,750
Coke Produced (Tons)	9,365
Total COG Produced (MMCF)	160.7
Quench Water Used (Gallons)	1,545,000 (Estimated)
Elemental Sulfur Produced (Tons)	33.2
Sulfur Content of Coal (%)	0.98
Sulfur Content of Coke (%)	0.79

**PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY**

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5154	5154	100.00%
System 13,14,15	5123	5092	99.39%
System 19,20	4551	4546	99.89%
"B" Battery	2063	2063	100.00%
"C" Battery	2388	2388	100.00%
<b>Total</b>	<b>19279</b>	<b>19243</b>	<b>99.81%</b>

**PUSHING CONTROL OUTAGE SUMMARY \***

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
13 14 15 PEC	10-Aug-19	0240	10-Aug-19	0300	0.3	3	19-0039	ACHD# 21454; Power Supply Breaker Tripp
19 20 PEC	17-Aug-19	2001	17-Aug-19	2103	1.0	4	19-0040	ACHD# 21458; Control Processor Fault
13 14 15 PEC	24-Aug-19	0815	24-Aug-19	1245	4.5	28	19-0042	ACHD# 21465; Lost suction

**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: 8 Year: 2019 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	NA	5.7	0.1	5.8	17	NA	5.7	0.0	5.7
2	NA	6.0	0.0	6.0	18	NA	5.5	0.0	5.5
3	NA	6.2	0.1	6.3	19	NA	4.8	0.0	4.8
4	NA	6.4	0.1	6.5	20	NA	5.4	0.0	5.4
5	NA	6.2	0.1	6.3	21	NA	6.0	0.0	6.0
6	NA	6.8	0.0	6.9	22	NA	5.9	0.0	5.9
7	NA	5.7	0.0	5.7	23	NA	5.4	0.0	5.4
8	NA	7.9	0.0	7.9	24	NA	5.3	0.0	5.3
9	NA	8.2	0.0	8.2	25	NA	5.4	0.0	5.4
10	NA	6.1	0.0	6.1	26	NA	5.0	0.0	5.0
11	NA	6.0	0.0	6.0	27	NA	6.3	0.0	6.3
12	NA	5.8	0.0	5.8	28	NA	6.5	0.0	6.5
13	NA	5.6	0.0	5.6	29	NA	5.5	0.0	5.5
14	NA	4.8	0.0	4.8	30	NA	5.7	0.0	5.7
15	NA	4.4	0.0	4.4	31	NA	5.5	0.0	5.5
16	NA	5.8	0.0	5.8	Avg. Mo.	NA	5.9	0.0	5.9

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 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	

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  
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COKE PLANT OPERATION DATA  
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)**

for Month: 9 Year: 2019 BAPC Use Only Date Received: \_\_\_\_\_  
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**DAILY AVERAGE FOR THE MONTH**

Coal Charged (Tons)	12,260
Coke Produced (Tons)	9,178
Total COG Produced (MMCF)	161.0
Quench Water Used (Gallons)	1,514,000 (Estimated)
Elemental Sulfur Produced (Tons)	30.3
Sulfur Content of Coal (%)	0.97
Sulfur Content of Coke (%)	0.79

**PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY**

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	4937	4935	99.96%
System 13,14,15	4760	4753	99.85%
System 19,20	4515	4253	94.20%
"B" Battery	1923	1923	100.00%
"C" Battery	2210	2210	100.00%
<b>Total</b>	<b>18345</b>	<b>18074</b>	<b>98.52%</b>

**PUSHING CONTROL OUTAGE SUMMARY \***

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
13 14 15 PEC	05-Sep-19	0450	05-Sep-19	0609	1.3	7	19-0043	ACHD# 21473; Dampers Failed to Extend
19 20 PEC	09-Sep-19	1153	11-Sep-19	1232	48.7	262	19-0038	ACHD# 21451; Replaced Mass Air Cooler
1 2 3 PEC	16-Sep-19	1730	16-Sep-19	1930	2.0	2	19-0044	ACHD# 21482; Low Baghouse Air Pressure

**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

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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	NA	5.4	0.0	5.4	17	NA	4.6	0.0	4.6
2	NA	5.7	0.0	5.7	18	NA	5.0	0.0	5.0
3	NA	5.7	0.0	5.7	19	NA	5.2	0.0	5.2
4	NA	5.8	0.0	5.8	20	NA	6.0	0.0	6.0
5	NA	5.8	0.0	5.8	21	NA	6.3	0.0	6.3
6	NA	6.1	0.0	6.1	22	NA	6.1	0.0	6.1
7	NA	5.8	0.0	5.8	23	NA	5.3	0.0	5.3
8	NA	7.4	0.0	7.4	24	NA	4.8	0.0	4.8
9	NA	5.2	0.0	5.2	25	NA	5.6	0.0	5.6
10	NA	5.5	0.0	5.5	26	NA	5.6	0.0	5.6
11	NA	6.4	0.0	6.4	27	NA	6.0	0.0	6.0
12	NA	6.4	0.0	6.4	28	NA	6.1	0.0	6.1
13	NA	6.1	0.0	6.1	29	NA	6.1	0.0	6.2
14	NA	6.2	0.0	6.2	30	NA	7.3	0.0	7.3
15	NA	6.1	0.0	6.1	31	NA	NA	NA	NA
16	NA	5.0	0.0	5.0	Avg. Mo.	NA	5.8	0.0	5.8

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	

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Environmental

Date: Mar 13, 2020

Signature: *Michael G. Dzurinko*

\* Attach additional pages if necessary

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**DAILY AVERAGE FOR THE MONTH**

Coal Charged (Tons)	12,196
Coke Produced (Tons)	9,056
Total COG Produced (MMCF)	155.3
Quench Water Used (Gallons)	1,494,000 (Estimated)
Elemental Sulfur Produced (Tons)	31.8
Sulfur Content of Coal (%)	0.98
Sulfur Content of Coke (%)	0.80

**PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY**

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5075	5062	99.74%
System 13,14,15	4987	4969	99.64%
System 19,20	4682	4682	100.00%
"B" Battery	1952	1952	100.00%
"C" Battery	2247	2247	100.00%
<b>Total</b>	<b>18943</b>	<b>18912</b>	<b>99.84%</b>

**PUSHING CONTROL OUTAGE SUMMARY \***

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDWN #	Reason(s) for Outage
1 2 3 PEC	12-Oct-19	2153	12-Oct-19	2321	1.5	13	19-0048	ACHD# 21504; Baghouse Compressor; Low Air
13 14 15 PEC	30-Oct-19	0930	30-Oct-19	1515	5.8	18	19-0051	ACHD# 21520; Grounded Bunker Homing Limit

**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
<b>Total:</b>								

Report Submitted By: Michael G. Dzurinko

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Signature: *Michael G. Dzurinko*

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for Month: 10 Year: 2019 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	3.0	7.3	0.0	7.3	17	3.3	7.3	0.7	8.0
2	3.2	7.2	0.0	7.2	18	3.3	7.6	0.6	8.2
3	3.3	9.1	0.0	9.1	19	3.4	7.4	0.2	7.6
4	3.2	8.9	0.0	8.9	20	3.3	7.9	0.2	8.1
5	3.4	9.4	0.0	9.4	21	2.9	6.9	0.2	7.1
6	3.8	9.9	0.0	9.9	22	2.9	8.0	0.2	8.2
7	3.3	8.2	0.0	8.2	23	2.8	7.1	0.2	7.3
8	3.3	8.5	0.0	8.5	24	2.8	7.1	0.2	7.4
9	3.2	8.9	0.0	8.9	25	2.9	6.8	0.1	7.0
10	3.1	9.0	0.0	9.0	26	3.0	7.3	0.2	7.4
11	3.0	8.6	0.0	8.6	27	3.0	7.8	0.1	7.9
12	3.2	8.1	0.0	8.1	28	2.7	5.9	0.0	6.0
13	3.3	9.1	0.0	9.1	29	2.9	6.4	0.2	6.5
14	3.6	9.8	0.0	9.8	30	2.8	6.2	0.2	6.3
15	3.2	10.4	0.0	10.4	31	2.8	6.9	0.2	7.1
16	3.3	10.3	0.0	10.3	Avg. Mo.	3.1	8.0	0.1	8.1

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
10/16/19	1519	10/16/19	1526	0.12	19-0049	ACHD# 21512; Sulfur Plant Lean Solution Pump Check Valve

\*\* Redundant Equipment or No Environmental Impact

Total: 0.1  
Percent Availability of COG Desulf. Plant (Monthly) 99.98%

\*\*\* 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	
10/17/19	19	11:30	12:30	60	0	YES		Drop in suction due to an axi change over
10/17/19	C	11:47	11:47	0	6	YES		Drop in suction due to an axi change over
10/17/19	1	11:30	12:30	0	30	YES		Drop in suction due to an axi change over

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Environmental

Date: Mar 13, 2020

Signature: *Michael A. Dzurinko*

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**DAILY AVERAGE FOR THE MONTH**

Coal Charged (Tons)	12,069
Coke Produced (Tons)	9,036
Total COG Produced (MMCF)	157.3
Quench Water Used (Gallons)	1,491,000 (Estimated)
Elemental Sulfur Produced (Tons)	32.2
Sulfur Content of Coal (%)	0.97
Sulfur Content of Coke (%)	0.79

**PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY**

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5131	5131	100.00%
System 13,14,15	4773	4769	99.92%
System 19,20	4476	4476	100.00%
"B" Battery	1880	1880	100.00%
"C" Battery	2167	2167	100.00%
<b>Total</b>	<b>18427</b>	<b>18423</b>	<b>99.98%</b>

**PUSHING CONTROL OUTAGE SUMMARY \***

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
13 14 15 PEC	19-Nov-19	1853	19-Nov-19	2050	2.0	4	19-0054	ACHD# 21533; Recalibrate Positioning System

**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



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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	2.7	6.4	0.2	6.6	17	3.2	7.7	0.2	7.9
2	3.1	7.9	0.2	8.1	18	3.3	7.5	0.3	7.9
3	3.2	7.2	0.2	7.4	19	2.2	6.1	0.2	6.2
4	3.0	7.3	0.3	7.6	20	3.1	6.6	0.1	6.7
5	3.0	6.4	0.2	6.6	21	3.2	6.4	0.1	6.5
6	3.1	7.0	0.2	7.2	22	3.2	7.2	0.2	7.4
7	3.0	6.5	0.2	6.7	23	3.1	6.7	0.0	6.7
8	3.1	6.7	0.2	6.9	24	3.1	6.9	0.1	7.0
9	3.1	8.4	0.1	8.5	25	3.2	6.7	0.1	6.8
10	3.1	7.0	0.2	7.2	26	3.2	7.1	0.2	7.3
11	2.9	6.0	0.2	6.2	27	3.3	7.5	0.2	7.7
12	2.7	6.2	0.3	6.4	28	3.2	7.0	0.1	7.1
13	2.8	7.1	0.2	7.3	29	3.1	6.3	0.1	6.4
14	2.8	6.7	0.1	6.9	30	3.2	6.8	0.2	7.0
15	2.8	6.8	0.2	7.0	31	NA	NA	NA	NA
16	3.2	6.3	0.2	6.5	Avg. Mo.	3.0	6.9	0.2	7.1

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	

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Environmental

Date: Mar 13, 2020

Signature: *Michael G. Dzurinko*

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for Month: 12 Year: 2019 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)	11,895
Coke Produced (Tons)	8,752
Total COG Produced (MMCF)	152.5
Quench Water Used (Gallons)	1,444,000 (Estimated)
Elemental Sulfur Produced (Tons)	34.6
Sulfur Content of Coal (%)	0.99
Sulfur Content of Coke (%)	0.80

**PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY**

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5383	5359	99.55%
System 13,14,15	3792	3594	94.78%
System 19,20	4679	4679	100.00%
"B" Battery	1990	1990	100.00%
"C" Battery	2288	2288	100.00%
<b>Total</b>	<b>18132</b>	<b>17910</b>	<b>98.78%</b>

**PUSHING CONTROL OUTAGE SUMMARY \***

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
13 14 15 PEC	09-Dec-19	1127	11-Dec-19	1430	51.1	168	19-0053	Replaced Mass Air Cooler
1 2 3 PEC	11-Dec-19	1905	11-Dec-19	2038	1.6	14	19-0055	Repaired Magnetic Position Plate
13 14 15 PEC	12-Dec-19	1500	12-Dec-19	1555	0.9	10	19-0056	Repaired Steam Damper Hydraulics
13 14 15 PEC	14-Dec-19	1345	14-Dec-19	1430	0.8	8	19-0057	Air Line Leak
13 14 15 PEC	17-Dec-19	2345	18-Dec-19	0100	1.3	12	19-0059	Gas Inlet Damper Limit
1 2 3 PEC	29-Dec-19	1300	29-Dec-19	1650	3.8	10	19-0060	Repaired Magnetic Position Plate

**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
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Total:

Report Submitted By: Michael G. Dzurinko

Title: Mon Valley Environmental

Date: Mar 13, 2020

Signature: *Michael A. 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: 12 Year: 2019 BAPC Use Only 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 Raw COG	2 Clean COG	3 Tail Gas	2 + 3	Date	1 % of Raw COG	2 Clean COG	3 Tail Gas	2 + 3
1	3.4	7.4	0.1	7.6	17	2.8	5.2	0.1	5.3
2	3.4	6.3	0.1	6.5	18	2.8	4.8	0.3	5.1
3	3.3	5.6	0.1	5.7	19	2.3	5.9	0.3	6.2
4	3.2	5.0	0.4	5.4	20	2.7	3.5	0.3	3.8
5	2.8	4.2	0.2	4.4	21	3.0	5.5	0.5	6.0
6	3.0	4.1	0.1	4.2	22	3.3	5.5	0.3	5.8
7	3.0	4.9	0.1	5.0	23	3.1	5.7	0.3	6.0
8	3.1	5.9	0.2	6.2	24	3.2	4.7	0.4	5.1
9	3.0	5.1	0.2	5.4	25	3.1	5.0	0.4	5.4
10	2.9	5.3	0.1	5.4	26	3.2	5.0	0.3	5.3
11	2.9	5.4	0.0	5.4	27	3.1	5.3	0.3	5.7
12	3.0	6.2	0.0	6.2	28	2.8	5.2	0.2	5.4
13	3.1	5.9	0.0	5.9	29	2.9	6.1	0.2	6.3
14	3.2	6.6	0.0	6.7	30	2.4	5.2	0.3	5.5
15	3.2	6.8	0.0	6.9	31	2.3	5.7	0.3	6.0
16	2.9	5.2	0.1	5.3	Avg. Mo.	3.0	5.4	0.2	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
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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	

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  
COKE PLANT OPERATION DATA  
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)**

for Month: 1 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)	11,639
Coke Produced (Tons)	8,697
Total COG Produced (MMCF)	148.1
Quench Water Used (Gallons)	1,435,000 (Estimated)
Elemental Sulfur Produced (Tons)	32.8
Sulfur Content of Coal (%)	1.02
Sulfur Content of Coke (%)	0.82

**PUSHING CONTROL SYSTEM(S) - MONTHLY AVAILABILITY**

	Total Pushes	Total Pushes Controlled	% of Pushes Controlled
System 1,2,3	5082	5052	99.41%
System 13,14,15	2928	2928	100.00%
System 19,20	4687	4687	100.00%
"B" Battery	2123	2123	100.00%
"C" Battery	2447	2447	100.00%
<b>Total</b>	<b>17267</b>	<b>17237</b>	<b>99.83%</b>

**PUSHING CONTROL OUTAGE SUMMARY \***

System	Start Date	Time	End Date	Time	Hrs. Out	# Ovens Not PEC	USS BRKDOWN #	Reason(s) for Outage
1 2 3 PEC	10-Jan-20	1440	10-Jan-20	1800	3.3	16	20-0001	ACHD# 21568; Repaired Spotting Limit
1 2 3 PEC	28-Jan-20	0135	28-Jan-20	0325	1.8	14	20-0002	ACHD# 21573; Repaired Spotting Limit

**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

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BUREAU OF AIR POLLUTION CONTROL  
DESULFURIZATION PLANT DATA  
USX CORPORATION - USS CLAIRTON WORKS (Please print or type)**

for Month: 1 Year: 2020 BAPC Use Only Date Received: \_\_\_\_\_  
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**DESULFURIZATION PLANT OUTAGE SUMMARY \*\*\***

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Date	Battery	Start Time	End Time	Duration		Flared		Cause of incident
				Minutes	Seconds	Yes	No	

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