ALLEGHENY COUNTY HEALTH DEPARTMENT
**USS Clairton Pushing Inspection**

AIR QUALITY PROGRAM

USS Clairton Plant

6-27-16 Date

Inspector [illegible]

Plant Personnel Terry R. UWUA + USS man...

(Indicate Sun Position and Wind Direction)

| | | | | |
|---|---|---|---|---|
| Battery | 1 | | | |
| Oven | A3 | | | |
| Time Door Removal (Push) Starts | 1218 | | | |
| Time Coke Mass Movement (Push) Starts | 1220 | | | |
| Time ≥ 20% Opacity Push | 0 | | | |
| Push Max. Opacity % Duration | 10 / = 25 sec | | | |
| Time > 10% Opacity Travel | 0 | | | |
| Travel Max. Opacity % Duration | 5 / = 13 sec | | | |
| Time Quench Started | 1222 | | | |
| Inspector Position | 1 | | | |
| Background | SKY | | | |
| Other: comments | A1/1 obs. w/EPA | A5/1 obs/w EPA | | |

1 = CY

5-9-14

ALLEGHENY COUNTY HEALTH DEPARTMENT

AIR QUALITY PROGRAM

**Soaking Emissions Observation**

[illegible] Plant

Inspector [illegible]

6-25-14 Date

Plant Personnel Doug Dempsey [illegible]

| Sun Position & Wind Direction | NO SUN | | NO SUN | | NO SUN | |
|---|---|---|---|---|---|---|
| Battery | 3" | | 3" | | 3" | |
| Oven Number | 335 | | 337 | | A2 | |
| | PS | CS | PS | CS | PS | CS |
| Cap Opening Time | 1030 | 1030 | 1042 | 1042 | 1049 | 1049 |
| Observation Start Time | 1032 | 1032 | 1044 | 1044 | 1051 | 1051 |
| Non-Combusted Emissions Max. Opacity | 0 | 0 | 10 | 15 | 0 | |
| Method 9 Readings | | | | | | |
| 0:00 (and F or NF) | 0 NF | 0 NF | 0 NF | 15 NF | 0 NF | 0 F |
| 0:15 | | | 10 | 15 | | |
| 0:30 | | | 10 | 0 | | |
| 0:45 | | | 10 | | | |
| 1:00 | | | 10 | | | |
| 1:15 | | | 10 | | | |
| 1:30 | | | 0 | | | |
| 1:45 | | | 0 | | | |
| 2:00 | | | 0 | | | |
| 2:15 | | | 0 | | | |
| 2:30 | | | 0 | | | |
| 2:45 | | | 0 | | | |
| 3:00 | | | 0 | | | |
| 3:15 | | | 10 | | | |
| 3:30 | | | 0 | | | |
| 3:45 | | | 0 | | | |
| 4:00 | | | 0 | | | |
| 4:15 | | | 0 | | | |
| 4:30 | | | 0 | | | |
| 4:45 | | | | | | |
| 5:00 | | | | | | |

ALLEGHENY COUNTY HEALTH DEPARTMENT
**USS Clairton Pushing Inspection**

AIR QUALITY PROGRAM

USS Clairton Plant

Inspector [illegible]

4.29.14 Date

Plant Personnel Doug Kempsey (USS)

(Indicate Sun Position and Wind Direction)

100 SUN

| | | | | |
|---|---|---|---|---|
| Battery | "3" | "3" | "3" | "3" |
| Oven | 333 | 337 | A2 | A4 |
| Time Door Removal (Push) Starts | — | — | — | — |
| Time Coke Mass Movement (Push) Starts | 1042 | 1057 | 1138 | |
| Time ≥ 20% Opacity Push | 0 | 0 | .39 | Combined |
| Push Max. Opacity % Duration | 0' | 0' | 55'/. /=24 | |
| Time > 10% Opacity Travel | — 5 | 1 60 | | 1203 |
| Travel Max. Opacity % Duration | | | — | |
| Time Quench Started | 1044 | 1101 | 1142 | |
| Inspector Position | TOB | TOB | TOB | TOB |
| Background | sky | sky | sky | sky |
| Other: comments | | | | |

ALLEGHENY COUNTY HEALTH DEPARTMENT
**USS Clairton Pushing Inspection**

AIR QUALITY PROGRAM

USS Clairton Plant

6·27·16 Date

Inspector [illegible]

Plant Personnel [illegible]

(Indicate Sun Position and Wind Direction)

| | no sun | no sun | no sun | no sun |
|---|---|---|---|---|
| Battery | ~~C45~~ C | C | C | C |
| Oven | C45 | C47 | C49 | C51 |
| Time Door Removal (Push) Starts | 0829 | 0840 | 0855 | 0910 |
| Time Coke Mass Movement (Push) Starts | 0830 | 0841 | 0857 | 0911 |
| Time ≥ 20% Opacity Push | 0 | 0 | 0 | 0 |
| Push Max. Opacity % Duration | 0 | 0 | 0 | 0 |
| Time > 10% Opacity Travel | 0 | 0 | 0 | 0 |
| Travel Max. Opacity % Duration | 0 | 0 | 0 | 0 |
| Time Quench Started | 0833 | 0845 | 0859 | 0913 |
| Inspector Position | TOB | TOB | TOB | TOB |
| Background | sky | sky | sky | sky |
| Other: comments | | | | |

ALLEGHENY COUNTY HEALTH DEPARTMENT

AIR QUALITY PROGRAM

**Soaking Emissions Observation**

USS Clairton Plant

Inspector [illegible]

6.27.16 Date

Plant Personnel David M. Vuno

| | | | | | | |
|---|---|---|---|---|---|---|
| **Sun Position & Wind Direction** | no sun | | no sun | | no sun | |
| **Battery** | C | | C | | C | |
| **Oven Number** | C45 | | C47 | | C49 | |
| | **PS** | **CS** | **PS** | **CS** | **PS** | **CS** |
| **Cap Opening Time** | 0806 | | 0832 | | 0845 | |
| **Observation Start Time** | 0808 | | 0834 | | 0847 | |
| **Non-Combusted Emissions Max. Opacity** | 90 | | 35 | | 60 | |
| **Method 9 Readings** | | | | | | |
| **0:00 (and F or NF)** | 75 NF | | 30 NF | | 45 NF | |
| **0:15** | 75 | | 30 | | 45 | |
| **0:30** | 75 | | 20 | | 45 | |
| **0:45** | 75 | | 35 | | 45 | |
| **1:00** | 90 | | 35 | | 45 | |
| **1:15** | 90 | | 30 | | 30 | |
| **1:30** | 90 | | 10 | | 20 | |
| **1:45** | 90 | | 10 | | 40 | |
| **2:00** | 90 | | 0 F | | 50 | |
| **2:15** | 90 | | 0 NF | | 60 | |
| **2:30** | 90 | | | | 60 | |
| **2:45** | 90 | | | | 60 | |
| **3:00** | 85 | | | | 50 | |
| **3:15** | 85 | | | | | |
| **3:30** | 80 | | | | | |
| **3:45** | 80 | | | | | |
| **4:00** | 40 | | | | | |
| **4:15** | 20 | | | | | |
| **4:30** | 10 | | | | | |
| **4:45** | 60 | | | | | |
| **5:00** | 60 | | | | | |

cont. 0829 0840 0855

ALLEGHENY COUNTY HEALTH DEPARTMENT

AIR QUALITY PROGRAM

**Charging Inspection**

Wyo. Clairton Plant

6-27-16 Date

Inspector [illegible]

Plant Personnel David M. [illegible]

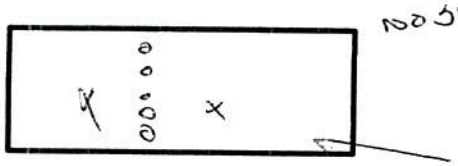
Battery C

*(Indicate sun position, observation position, and wind direction on diagrams.)

START TIME 0840
END TIME 0846
VISIBLE EMISSIONS =04
MAX. OPACITY 100
APPROX. DURATION
MAX. OPACITY =04

OVEN NUMBER C43

CS



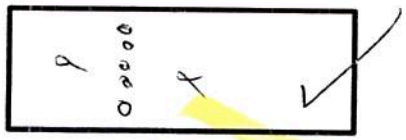
PS

* COMMENTS: no sun

START TIME 0851
END TIME 0858
VISIBLE EMISSIONS =06
MAX. OPACITY 100
APPROX. DURATION
MAX. OPACITY =06

OVEN NUMBER C45

CS



PS

* COMMENTS:

START TIME 0903
END TIME 0913
VISIBLE EMISSIONS =07
MAX. OPACITY 100
APPROX. DURATION
MAX. OPACITY =07

OVEN NUMBER C47

CS

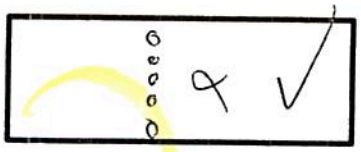
PS

* COMMENTS: no sun

START TIME 0926
END TIME 0936
VISIBLE EMISSIONS =05
MAX. OPACITY 100
APPROX. DURATION
MAX. OPACITY =05

OVEN NUMBER C49

CS



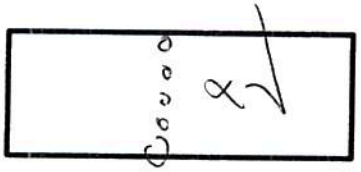
PS

* COMMENTS: no sun

START TIME 0940
END TIME 0950
VISIBLE EMISSIONS =08
MAX. OPACITY 100
APPROX. DURATION
MAX. OPACITY =08

OVEN NUMBER C51

CS



PS

* COMMENTS: no sun

ALLEGHENY COUNTY HEALTH DEPARTMENT

AIR QUALITY PROGRAM

**Topside Inspection**

USS Clairton Plant

6.27.16 Date

C Battery

**Start** 08 **hr.** 15 **min.**

**End** 08 **hr.** 21 **min.**

Inspector [signature]

Plant Personnel [signature]

**PS**

**CS**

no sun

(Indicate sun position, observation traverse, and wind direction)

**PUSH SIDE**

| OVEN # | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| C45 | D | C | F | S | B | P | O | 3/4 |
| C43 | D | C | F | S | B | P | O | 0 |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |

~~COKE SIDE~~

| OVEN # | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |
| | D | C | F | S | B | P | O | |

**LIDS**

| OVEN # | | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| C7 | D | | | ✓ | | |
| C41 | D | | | | | ✓ |
| C71 | D | | | ✓ | | |
| C60 | D | ✓ | | | | |
| C7 | D | | ✓ | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |
| | D | | | | | |

(5)

D - Decarbonizing
C – Cap
F – Flange
S - Slip Joint
B - Base
P - Piping
O - Other

COMMENTS:

| | |
|---|---|
| 0 | CLEAR |
| 1 | IGNITED |
| 2 | BLACK |
| 3 | GREY |
| 4 | BROWN |

Inoperable ovens: —

Created 12-19-14

ALLEGHENY COUNTY HEALTH DEPARTMENT
**Door Inspection**

AIR QUALITY PROGRAM

USS Clairton Plant

6.27.16 Date

C Battery

Inspector [illegible]

Plant Personnel [illegible]

Sun Visible No ✓ Yes___ Occ___

Push Side: Start 09 hr. 57 min.

End 10 hr. 03 min.

Coke Side: Start 10 hr. 07 min.

End 10 hr. 16 min.

**PUSH SIDE**

| Charge Time | Oven # | Doors | | | | Opacity | Time |
|---|---|---|---|---|---|---|---|
| 0640 | C35 | D | C | M | O | 45 | 1002 |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |
| | | D | C | M | O | | |

(1)

**COKE SIDE**

| Charge Time | Oven # | Doors | | | Opacity | Time |
|---|---|---|---|---|---|---|
| | C45 | D | M | O | 20 | 1009 |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |
| | | D | M | O | | |

(1)

Not observed / Out of service ovens: /

Last oven charged: C53 0956 P5

Time of last charge: C55 1007 C5

Not observed / Out of service ovens: /

~~C50 thru~~ C64

Comments: P5 #plate on oven not accurate to oven ID. + alot with no #plates

D = Door
C = Chuck Door
M = Miscellaneous
O = Not observed/Out of service

Updated 3-13-15

# U. S. ENVIRONMENTAL PROTECTION AGENCY
## PUSHING OBSERVATIONS

Date 6-28-11

Company Name US Steel Clairton Company Location Clairton PA
Sky Conditions _____ Approximate Wind Speed _____ MPH
Ambient Temperature _____ °F Company Representative _____
Type of Pollution Control Device Hood, Baghouse

Inspector Name (Print Name) James Hagedorn

Inspector Signature J Hagedorn

* Indicate applicable opacity
** If pollution control device is utilized indicate any problems with the system

| Battery/Oven No. | 1 A15 | 1 | 1 | 1 | 1 |
|---|---|---|---|---|---|
| Time Door Removed | | | | | |
| Time of Push | 2:45 | | | | |
| V.E. Time≥20% During Push | :00 | | | | |
| V.E. Time >10% During Travel * | :00 | | | | |
| Time of Quench | 2:49 | | | | |
| Maximum Opacity at Time of Push | 5% | | | | |
| Position | T A15 | ⊥ | ⊥ | ⊥ | ⊥ |
| Background | Sky + Bldg | | | | |
| Comment Number | | | | | |
| Comments: ** | | | | | |

**MAP**

PS

CS

X

**Map Instructions**

1. Indicate Sun (☼)
2. Wind Direction (➵)
3. North (→ N)
4. Observer Location (⊗)

ENVIRONMENTAL PROTECTION AGENCY

DOOR OBSERVATIONS

Page 1 of 1

Company Name USS Clairton

Company Location Clairton PA

Battery I.D. 3

No. of Operating Ovens 64

Sky Condition Partly Cloudy

Wind Speed

Ambient Temperature

Background

Push Side: Start 2 hr. 11 min.
End 2 hr. 15 min.

Coke Side: Start 2 hr. 35 min.
End 2 hr. 39 min.

Observation of: ___ Push Side Only
___ Coke Side Only
X Both Push Side & Coke Side

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| A14 | | | |
| | Nothing | | |

Out of Service A31 out of Service

No Leaks on PS B15 off

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | Nothing | | |

A31 out of Service

A14
A31
B13

3 Both on A1 ← Sun overhead

* D = Door, C = Chuck Door, B = Both Door and Chuck Door, O = Other

Indicate sun (✳), wind direction (⟹), observer ( 0 ), north (→N), push side (PS), and coke side (CS)

PS A1 →

2 - None

1 - A23 out of Service

INSPECTOR (Print Name): Jim Hagedorn DATE: 6-28-16

(signature): J. Hagedorn COMPANY REPRESENTATIVE: Tonnell Shetz

COMMENTS:

ENVIRONMENTAL PROTECTION AGENCY

DOOR OBSERVATIONS

Page ___ of ___

Company Name: Clairton Works
Company Location:
Battery I.D.: 2
No. of Operating Ovens:
Sky Condition: Partly Cloudy
Wind Speed:
Ambient Temperature:
Background:

Push Side: Start 2 hr. 16 min.
End 2 hr. 19 min.
Coke Side: Start 2 hr. 32 min.
End 2 hr. 35 min.

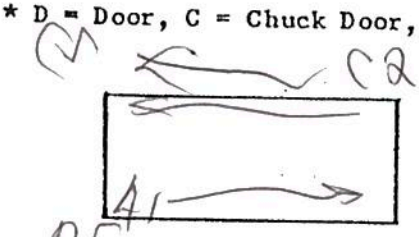
Observation of: ___ Push Side Only
___ Coke Side Only
X Both Push Side & Coke Side

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | Nothing on PS | | |

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | Nothing on CS | | |

C1 output Service

* D = Door, C = Chuck Door, B = Both Door and Chuck Door, O = Other




Indicate sun (✳), wind direction (⟹), observer ( ⊕ ), north (→N), push side (PS), and coke side (CS)

INSPECTOR (Print Name): J Hagedorn DATE: 6-28-86
(signature): COMPANY REPRESENTATIVE: Donnelle Skeetz
COMMENTS:

ENVIRONMENTAL PROTECTION AGENCY

DOOR OBSERVATIONS

Page ___ of ___

Company Name USS Clairton
Company Location
Battery I.D. 1
No. of Operating Ovens
Sky Condition Partly Cloudy
Wind Speed
Ambient Temperature
Background

Push Side: Start 2 hr. 20 min.
End 2 hr. 30 min.
Coke Side: Start 2 hr. 28 min.
End 2 hr. 38 min.

Observation of: ___ Push Side Only
___ Coke Side Only
X Both Push Side & Coke Side

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | Nothing on PS | | |

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | | | |

A19 off

A23 out of Service

* D = Door, C = Chuck Door, B = Both Door and Chuck Door, O = Other

CS ← CR

PS A1 →

Indicate sun (✳), wind direction (⟹), observer ( ⊙ ), north (→N), push side (PS), and coke side (CS)

INSPECTOR (Print Name): DATE: 6-28-16

(signature): COMPANY REPRESENTATIVE: Tonzelle Sheetz

COMMENTS:

# U. S. ENVIRONMENTAL PROTECTION AGENCY
## PUSHING OBSERVATIONS

Date 6-28-16

Company Name USS Clairton
Company Location Clairton PA
Sky Conditions Partly Cloudy
Approximate Wind Speed 0-5 MPH
Ambient Temperature _____ °F
Company Representative Donnelle Sheets
Type of Pollution Control Device _____

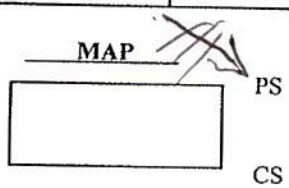
Inspector Name (Print Name) Jim Hagerdorn

Inspector Signature J Hagerdorn

* Indicate applicable opacity
** If pollution control device is utilized indicate any problems with the system

| Battery/Oven No. | 20, A28 | 20, B1 | 19, B3 | 19, B5 | 19, B7 |
|---|---|---|---|---|---|
| Time Door Removed | — | | — | — | — |
| Time of Push | 11:50 | 11:58 | 12:10 | 12:24 | 12:38 |
| V.E. Time ≥ 20% During Push | :00 | :00 | :00 | :00 | :00 |
| V.E. Time > 10% During Travel * | :00 | :00 | :00 | :00 | :00 |
| Time of Quench | 11:52 | 12:01 | 12:13 | 12:29 | 12:40 |
| Maximum Opacity at Time of Push | 10% | 10% | 5% | 5% | 5% |
| Position | 1 A28 | 1 B1 | 1 B3 | 1 B5 | 1 B7 |
| Background | Sky+Batt | Sky+Batt | Sky+Batt | Sky+Batt | Sky+Batt |
| Comment Number | | | | | |
| Comments: ** | | | | | |

MAP



PS

CS

**Map Instructions**

1. Indicate Sun (☼ )
2. Wind Direction (➸ )
3. North (→ N )
4. Observer Location (⊗ )

ENVIRONMENTAL PROTECTION AGENCY

DOOR OBSERVATIONS

Page 1 of ___

Company Name USS Clairton
Company Location Clairton, PA
Battery I.D. 20
No. of Operating Ovens
Sky Condition Partly Cloudy
Wind Speed 0-5 MPH
Ambient Temperature 75
Background

Push Side: Start 11 hr. 25 min.
End 11 hr. 28 min.
Coke Side: Start 11 hr. 45 min.
End 11 hr. 48 min.

Observation of: ___ Push Side Only
___ Coke Side Only
X Both Push Side & Coke Side

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | No Smoke | | |

| OVEN NUMBER | I.D. OF LEAK* | P.S. OR C.S. | % OPACITY |
|---|---|---|---|
| | No Smoke | | |

PS = None
CS = None
All in Service

* D = Door, C = Chuck Door, B = Both Door and Chuck Door, O = Other

C39

Indicate sun (☼), wind direction (⟶), observer ( ⊙ ), north (⟶N), push side (PS), and coke side (CS)

INSPECTOR (Print Name): Jim Hagedorn DATE: 6-28-16
(signature): J Hagedorn COMPANY REPRESENTATIVE: Johnette Schertz
COMMENTS:

19 Batt C10 - Out of Service