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

RECEIVED
AUG 0 2 2006
Air Protection Division (3AP12)

July 21, 2006

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 191003-2029
ATTN: James W. Hagedorn

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 06-0247
ACHD Reference Number: N/A
#1 Control Room; ALL Battery Igniter Flares
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac
Plant Manager
Clairton Works

**NOTICE OF BREAKDOWN OF EQUIPMENT**
**ARTICLE XXI - SECTION 2108.1**

1. **USS Reference Number:** 06-0247
   **ACHD Reference Number:** N/A

2. **Date & Time of Breakdown:** Date: 07/18/06 Time: 0105 hours

3. **Company Name:** U.S. Steel Corporation - USS Clairton Works

4. **Specific Equipment Involved or Affected:** #1 Control Room; ALL Battery Igniter Flares

5. **BAPC Permit Number (if applicable):**

6. **Location:** Clairton, PA

7. **Nature and cause of breakdown:** A blown fuse for a potential transformer caused three axi compressors to respond to an under power situation and trip off line. As a result, coke oven gas suction pressure dropped and coke oven gas flared on 9 batteries.

8.

| Date | Battery | Start Time | End Time | Duration | | Flared Yes No |
|---|---|---|---|---|---|---|
| | | | | Min. | Sec. | |
| 7/18/06 | 1 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 2 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 7 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 8 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 9 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 13 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 14 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | 19 | 01:05 | 01:35 | 30 | 00 | Yes |
| 7/18/06 | B | 01:05 | 01:35 | 30 | 00 | Yes |

8. **Identification of Emissions:**

   A. **Type(s) (CO, NOX, $SO_2$, Particulates, Hydrocarbons, etc.)** Released products of combustion of Coke Oven Gas. This may have also caused increased emissions from battery emission points; doors, lids, offtakes, charging, & stacks.

   B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** $SO_2$ is and VOC could be an eye, nose, and throat irritant.

C. **Amount of each type emitted (or likely to be emitted).**

| Chemical | Quantity Released (lbs) |
|---|---|
| CO | 157 |
| $NO_X$ | 29 |
| $SO_2$ | 800 |
| VOC | 22 |

9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
The axi compressors were brought on line.

10. **Facility back in operation -** Date: 07/18/06 Time: 0150 hours

Signature Coleen M. Davis Date 7-21-06
Coleen M. Davis
Senior Environmental Control Engineer Phone: 233-1015