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

November 17, 2004

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 19103-2029
ATTN: Michael Ioff (3AT23)

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: 04-0234
ACHD Reference Number: 5772
#2 Control Room
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject 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 OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 04-0234
   ACHD Reference Number: 5772

2. **Date & Time of Breakdown: Date:** 11/15/04 **Time:** 1308 hours

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

4. **Specific Equipment Involved or Affected:** #2 Control Room

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

6. **Location:** Clairton, PA

7. **Nature and cause of breakdown:** The #2 Control Room coke oven gas separation process was bypassed when a system over-pressurization occurred. The R402B Regenerator was taken off line to replace a solenoid valve and an air isolation valve. During the start-up procedure, a pressure surge occurred and caused an overload condition and shutdown of #2 Control Room vacuum axi compressors. This prevents the desulfurization of the coke oven gas.

8. **Identification of Emissions:**

   A. **Type(s) (CO, NOX, SO_2, Particulates, Hydrocarbons, etc.)** Elevated H_2S in the downriver and under-firing gas line systems, causing increased SO_2 and VOC at point of combustion. This also caused increased battery combustion stack opacity when the under-firing gas composition changed.

   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).** Light to moderate

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 vacuum axis and systems were brought on line.

10. **Facility back in operation** - Date: 11/15/04 Time: 2010 hours

Signature Dan Belack Date 11-17-04
Daniel J. Belack
Environmental Control Engineer Phone: 233-1114