

**Region 3 Plan Summary**  
**Allegheny County, Pennsylvania PM-10 Attainment Plan**

**Title:** Attainment Plan and Contingency Measures for the Allegheny County PM<sub>10</sub> Nonattainment Area

**Federal Register Dates:** April 11, 1995, 60 FR 18385 (proposed rule); June 12, 1996, 61 FR 29664, (partial approval- final rule); September 8, 1998, 63 FR 47434 (full approval- final rule).

**EPA Approval/Effective date:** October 8, 1998

**State Submittal:** January 6, 1994; as amended on June 12, 1995

**Affected Areas:** Liberty, Lincoln, Port Vue and Glassport Boroughs; City of Clairton

**Summary of the Plan:** The significant causes of nonattainment in this area are emissions from steel and coke facilities in the area. The PM<sub>10</sub> emissions from public roads are less than 3% of the attainment emissions inventory for the Liberty Borough area.

**Control Measures/Regulations Included As Part of the Plan:**

Article XXI, Regulation 2104.06 (Particulate Mass Emissions)

Article XXI, Regulation 2105.21 (Coke Ovens and Coke Oven Gas)

Article XXI, Regulation 2105.49 (Fugitive Emissions)

Article XXI Part G, Sections 2107.01, 2107.02 (Test Methods- Particulate Matter)

Article XXI, Regulation 2106.05 (USX-Clairton Works PM-10 Self Audit Emergency Action Plan), approved by EPA on June 12, 1998 (63 FR 32126).

The plan contains source-specific limits for ten industrial boilers, including some alternate limits, new source-specific limits for 21 other processes, a reduction of the leaking coke oven door limit from 10% (plus two) to 8% (plus two) on USX-Clairton Batteries #1, #2, #3, #7, #8, #9, and #19, a reduction in the coke pushing limit from 0.02 to 0.01 grains per dry standard cubic foot from USX-Clairton Batteries #1, #2, #3, #7, #8, #9, and #19; new definitions related to coke oven gas emissions

**Emissions reductions:** The total of all the control measures contained in this submittal result in a reduction in federally-allowable emissions of 5700 tons per year of PM-10 and a reduction in actual emissions of at least 600 tons per year in the nonattainment area and environs from 1992 levels.

**Contingency Measures:** The contingency measures for the Liberty Borough area will be triggered upon a violation of the PM<sub>10</sub> standard, and the Allegheny County Health Department (ACHD) will notify affected sources within 60 days of a violation that contingency measures must be implemented. The contingency measures require procedures to capture pushing emissions by holding hot coke under the hood of the pushing emissions control device for at least 67 seconds immediately after the pusher ram begins to move and the damper to the PEC

device is opened, or for at least 15 seconds immediately following the fall of the last coke into the coke car, whichever is longer. The contingency measures are applicable to all US Steel-Clairton batteries except Battery B (which is equipped with a coke-side shed) and must be implemented within 30 days after receiving notification from ACHD that the measures were triggered. EPA approved these contingency measures on September 8, 1998 (63 FR 47434).

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