

## **Shelby County, Tennessee Lead Attainment and Maintenance Plan**

Effective Redesignation Date: 7/2/01 (66 FR 22125, 5/3/01)

**Background of the Plan:** On January 6, 1992, the Environmental Protection Agency (EPA) designated the portion Memphis in Shelby County, Tennessee around the Refined Metals, Inc., secondary lead smelter as a nonattainment area for lead. This nonattainment designation was based on lead National Ambient Air Quality Standard (NAAQS) violations recorded by monitors located near the Refined Metals Corporation facility in 1990 and 1991. During the second quarter of 1998, another violation of the lead NAAQS occurred in the Shelby County nonattainment area. Subsequently, the Memphis and Shelby County Health Department (MSCHD) issued a notice of violation giving Refined Metals, Inc. options to surrender all of its permits and shutdown permanently on December 22, 1998. Since the facility permanently closed, there has not been any violation of the lead NAAQS. On February 15, 2001, MSCHD through the State of Tennessee submitted a request to redesignate the Shelby County area to attainment for lead.

**Summary of the Plan:** The EPA approved the request to redesignate Shelby County to a lead attainment area and the maintenance plan submitted on February 15, 2001, by the MSCHD through the State of Tennessee.

**Control Measures:** A variety of control measures will be utilized and enforced such as:

- Part C Prevention of Significant Deterioration (PSD) Program

**Contingency Measures:** The contingency provisions are to include a requirement that the state will implement all measures for controlling the air pollutant of concern that were contained in the SIP prior to redesignation. MSCHD submitted a maintenance plan to plan to ensure that the lead NAAQS is maintained. The maintenance plan for the Shelby County area, contains the part C PSD program, a monitoring network to verify continued attainment, and a contingency plan. Under the PSD Program, owners of all new major sources seeking to relocate in the Shelby County area must demonstrate that the proposed new emissions from those sources will be in compliance with the lead NAAQS. MSCHD will continue to operate two lead monitors located in the Shelby County area. Contingency measures would serve no useful purpose in light of the permanent closure and dismantling of the Refined Metals facility and the revocation of its permit. The PSD Requirements ensure that a new facility will not cause any adverse effects to the air quality in an attainment area.

**Emission Reductions:** MSCHD submitted air quality data from the third quarter of 1998 through 2000. This amount of monitoring data (more than eight consecutive quarters at the present time) without a violation of the lead standard is adequate to demonstrate attainment of the lead NAAQS. Consequently, EPA has determined that the emission reductions in the Shelby County area are permanent and enforceable. There has not been any violation of the lead standard since Refined Metals, Inc. shutdown on December 22, 1998. EPA believes that because there are no lead sources in the area since Refined Metals, Inc. shut down, a modeling analysis is not needed.

Since the Refined Metals facility, the sole source of lead emissions in the Shelby County nonattainment area surrendered its permits and ceased operations, there are no permitted process emissions from the facility or in the nonattainment area. The Refined Metals facility has been completely decontaminated and demolished. Any future request to operate a secondary lead smelter on this site or in Shelby County will have to be approved by MSCHD and will be subject to PSD permit requirements.

**Federal Register Actions:**

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Maintenance Plan - Final Rule

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