§ 63.1545 Compliance dates.

(a) Each owner or operator of an existing primary lead smelter shall achieve compliance with the requirements of this subpart no later than May 4, 2001.

(b) Each owner or operator of a primary lead smelter that commences construction or reconstruction after April 17, 1998, shall achieve compliance with the requirements of this subpart by June 4, 1999 or upon startup of operations, whichever is later.

§ 63.1546 Test methods.

(a) The following procedure shall be used to determine compliance with the emissions standard for lead compounds under §63.1543(a):

(1) The lead compound emission rate, in units of grams of lead per hour, for each source listed in paragraphs (a)(1) through (a)(9) of this section shall be determined according to the following test methods in appendix A of part 60 of this chapter:

(i) Method 1 shall be used to select the sampling port location and the number of traverse points.

(ii) Method 2 shall be used to measure volumetric flow rate.

(iii) Method 3 shall be used for gas analysis.

(iv) Method 4 shall be used to determine moisture content of the stack gas.

(v) Method 12 shall be used to measure the lead emission rate of the stack gas. The minimum sample volume shall be 0.85 dry standard cubic meters (30 dry standard cubic feet) and the minimum sampling time shall be 60 minutes for each run. Three runs shall be performed and the average of the three runs shall be used to determine compliance.

(b) Not withstanding paragraph (c) of this section, the standard operating procedures manual shall be submitted to the Administrator or delegated authority for review and approval.

(c) Existing manuals that describe the measures in place to control fugitive dust emissions shall be updated to include measures for fugitive dust sources required as part of a State implementation plan for lead emissions.
(i) Total lead products production multiplied by the fractional lead content shall be determined in units of megaragrams.

(ii) Total copper matte production multiplied by the fractional lead content shall be determined in units of megaragrams.

(iii) Total copper speiss production multiplied by the fractional lead content shall be determined in units of megaragrams.

(iv) Total lead production shall be determined by summing the values obtained in paragraphs (a)(2)(i) through (a)(2)(iii) of this section.

(v) The lead production rate, in units of megaragrams per hours, shall be calculated based on the total lead production, as determined in accordance with paragraph (a)(2)(iv) of this section, divided by the total plant operating time, in hours, for the previous 12 months.

(b) Owner and operators shall perform an initial compliance test to demonstrate compliance with the sinter building in-draft requirements of §63.1543(c) at each doorway opening in accordance with paragraphs (b)(1) through (b)(4) of this section.

(1) Use a propeller anemometer or equivalent device.

(2) Determine doorway in-draft by placing the anemometer in the plane of the doorway opening near its center.

(3) Determine doorway in-draft for each doorway that is open during normal operation with all remaining doorways in their customary position during normal operation.

(4) Do not determine doorway in-draft when ambient wind speed exceeds 2 meters per second.

§63.1547 Monitoring requirements.

(a) Owners and operators of primary lead smelters shall prepare, and at all times operate according to, a standard operating procedures manual that describes in detail the procedures for inspection, maintenance, and bag leak detection and corrective action for all baghouses that are used to control process, process fugitive, or fugitive dust emissions from any source subject to the lead emission standards in §§63.1543 and 63.1544, including those used to control emissions from general ventilation systems.

(b) The standard operating procedures manual for baghouses required by paragraph (a) of this section shall be submitted to the Administrator or delegated authority for review and approval.

(c) The procedures specified in the standard operating procedures manual for inspections and routine maintenance shall, at a minimum, include the requirements of paragraphs (c)(1) through (c)(9) of this section.

(1) Daily monitoring of pressure drop across each baghouse cell to ensure pressure drop is within the normal operating range identified in the standard operating procedures manual.

(2) Weekly confirmation that dust is being removed from hoppers through visual inspection or equivalent means of ensuring the proper functioning of removal mechanisms.

(3) Daily check of compressed air supply for pulse-jet baghouses.

(4) An appropriate methodology for monitoring cleaning cycles to ensure proper operation.

(5) Monthly check of bag cleaning mechanisms for proper functioning through visual inspection or equivalent means.

(6) Quarterly visual check of bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. Such checks are not required for shaker-type baghouses using self-tensioning (spring loaded) devices.

(7) Quarterly confirmation of the physical integrity of the baghouse