

has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

Materials storage and handling area means any area of a primary lead processor in which lead-bearing materials (including ore concentrate, sinter, granulated lead, dross, slag, and flue dust) are stored or handled between process steps, including areas in which materials are stored in piles, bins, or tubs, and areas in which material is prepared for charging to a sinter machine or smelting furnace or other lead processing operation.

Operating time means the period of time in hours that an affected source is in operation beginning at a startup and ending at the next shutdown.

Plant operating time means the period of time in hours that either a sinter machine or blast furnace is in operation.

Plant roadway means any area of a primary lead processor that is subject to vehicle traffic, including traffic by forklifts, front-end loaders, or vehicles carrying ore concentrates or cast lead ingots. Excluded from this definition are employee and visitor parking areas, provided they are not subject to traffic by vehicles carrying lead-bearing materials.

Primary lead processor means any facility engaged in the production of lead metal from lead sulfide ore concentrates through the use of pyrometallurgical or other techniques.

Process fugitive source means a source of hazardous air pollutant emissions at a primary lead processor that is associated with lead smelting, processing or refining but is not the primary exhaust stream and is not a fugitive dust source. Process fugitive sources include sinter machine charging locations, sinter machine discharge locations, sinter crushing and sizing equipment, furnace charging locations, furnace taps, and drossing kettle and refining kettle charging or tapping locations.

Refining and casting area means any area of a primary lead processor in which drossing or refining operations occur, or casting operations occur.

Secondary lead smelter means any facility at which lead-bearing scrap material, primarily, but not limited to, lead-acid batteries, is recycled into elemental lead or lead alloys by smelting.

Shutdown means the cessation of operation of an affected source for any purpose.

Sinter machine means any device in which a lead sulfide ore concentrate charge is heated in the presence of air to eliminate sulfur contained in the charge and to agglomerate the charge into a hard porous mass called sinter.

Sinter machine area means any area of a primary lead processor where a sinter machine, or sinter crushing and sizing equipment is located.

Sinter machine discharge end means the physical opening at the end of a sinter machine where the sinter exits the sinter machine.

Startup means the setting in operation of an affected source for any purpose.

Tapping location means the opening thru which lead and slag are removed from the furnace.

Tapping location means the opening through which lead and slag are removed from the furnace.

[64 FR 30204, June 4, 1999, as amended at 71 FR 20462, Apr. 20, 2006; 76 FR 70852, Nov. 15, 2011]

§ 63.1543 Standards for process and process fugitive sources.

(a) No owner or operator of any existing, new, or reconstructed primary lead processor shall discharge or cause to be discharged into the atmosphere lead compounds in excess of 0.97 pounds per ton of lead metal produced from the aggregation of emissions discharged from air pollution control devices used to control emissions from the sources listed in paragraphs (a)(1) through (9) of this section.

- (1) Sinter machine;
- (2) Blast furnace;
- (3) Dross furnace;
- (4) Dross furnace charging location;
- (5) Blast furnace and dross furnace tapping location;
- (6) Sinter machine charging location;
- (7) Sinter machine discharge end;
- (8) Sinter crushing and sizing equipment; and
- (9) Sinter machine area.

(b) No owner or operator of any existing, new, or reconstructed primary lead processor shall discharge or cause to be discharged into the atmosphere lead compounds in excess of 1.2 tons per year from the aggregation of the air pollution control devices used to control emissions from furnace area and refining and casting operations.

(c) The process fugitive sources listed in paragraphs (a)(4) through (8) of this section must be equipped with a hood and must be ventilated to a baghouse or equivalent control device. The hood design and ventilation rate must be consistent with American Conference of Governmental Industrial Hygienists recommended practices.

(d) The sinter machine area must be enclosed in a building that is ventilated to a baghouse or equivalent control device at a rate that maintains a positive in-draft through any doorway opening.

(e) Except as provided in paragraph (f) of this section, following the initial tests to demonstrate compliance with paragraphs (a) and (b) of this section, the owner or operator of a primary lead processor must conduct compliance tests for lead compounds on a quarterly basis (no later than 100 days following any previous compliance test).

(f) If the 12 most recent compliance tests demonstrate compliance with the emission limit specified in paragraphs (a) and (b) of this section, the owner or operator of a primary lead processor shall be allowed up to 12 calendar months from the last compliance test to conduct the next compliance test for lead compounds.

(g) The owner or operator of a primary lead processor must maintain and operate each baghouse used to control emissions from the sources listed in paragraphs (a)(1) through (9) and (b) of this section such that the alarm on a bag leak detection system required under § 63.1547(c)(8) does not sound for more than five percent of the total operating time in a 6-month reporting period.

(h) The owner or operator of a primary lead processor must record the date and time of a bag leak detection system alarm and initiate procedures to determine the cause of the alarm according to the corrective action plan

required under § 63.1547(f) within 1 hour of the alarm. The cause of the alarm must be corrected as soon as practicable.

(i) At all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[76 FR 70853, Nov. 15, 2011]

§ 63.1544 Standards for fugitive dust sources.

(a) Each owner or operator of a primary lead processor must prepare, and at all times operate according to, a standard operating procedures manual that describes in detail the measures that will be put in place to control fugitive dust emissions from the sources listed in paragraphs (a)(1) through (a)(5) of this section that incorporates each of the specific work practices listed in paragraphs (a)(1) through (a)(5) of this section:

(1) *Plant roadways.* (i) Paved plant roadways must be cleaned using a wet sweeper unless the temperature falls below 39 degrees Fahrenheit or when the application of water results in the formation of ice. During periods when the temperature is below 39 degrees Fahrenheit, paved plant roadways must be cleaned using a high efficiency dry sweeper.

(ii) Continuously operate a sprinkler system to wet plant roadways to prevent fugitive dust entrainment. This sprinkler system must be operated except during periods when the temperature is less than 39 degrees Fahrenheit or when the application of water results in formation of ice.

(2) *Material storage and handling area(s).* (i) Chemically stabilize inactive concentrate storage piles a minimum of once every month to reduce