

## 48.0 REGULATION OF LEAD EMISSIONS

### 48.1 Definitions

A. Unless specifically defined in this Chapter, the definitions from Section 13.0 will apply:

1. "Significant Source of Lead" means:
  - a. Any one permit unit, or combination of permit units as determined by the Director, at any of the following stationary sources that emit lead or lead compounds (measured as elemental lead) of at least 1.25 tons per calendar quarter or at least five (5) tons per year, whichever is the more restrictive: primary lead smelters, secondary lead smelters, primary copper smelters, lead gasoline additive plants, lead-acid storage battery manufacturing plants that produce 2000 or more batteries per day.
  - b. Notwithstanding the source sizes specified in Section 48.1.A.1.a., any other stationary source that emits 25 or more tons per year of lead or lead compounds measured as elemental lead.
2. "Source" means any structure, building, facility, equipment, installation, or operation (or combination thereof) which is located on one or more continuous or adjacent properties and which is owned or operated by the same person (or by persons under common control). If a portion(s) of a source is rented to or leased to another person(s) for the purpose of a totally separate business venture, the Director may designate that (those) portion(s) as a separate source(s).
3. "Permit Unit" means any part of a source required to obtain an operating permit as determined by the Director.
4. "Lead Point Source" means:
  - a. Any source the actual emissions of which are in excess of 5.0 tons per year of lead or lead compounds measured as elemental lead.
  - b. Any physical change that would occur at a source not otherwise qualifying under Section 48.1.A.4.a. as a lead point source if the increase in lead emissions due to a change is in excess of 5.0 tons per year of lead or lead compounds measured as elemental lead.

### 48.2 General Lead Emission Standards

- A. No person shall cause, suffer, allow, or permit lead emissions in excess of the standards in this Section.
- B. Upon mutual agreement of the owner or operator of a significant source of lead and the Director, an emission limit more restrictive than that otherwise specified in this Section may be established. Also, upon mutual agreement of the owner or operator of any source and the Director, operating hours, process flow rates, or any other operating parameters may be established as a binding limit(s). The mutually acceptable limits shall be stated as a special condition(s) for any permit or order concerning the source. Violation of any accepted special limitations is grounds for revocation of the issued permit and/or other enforcement measures.

#### 48.3 Specific Emission Standards for Existing Sources of Lead

- A. For an existing source that is a significant source of lead, the Director shall specify on the operating permit(s) as permit conditions the emission level that is reasonably available control technology (RACT).
- B. The possession of a valid permit shall not protect the source from enforcement actions if permit condition(s) are not met.

#### 48.4 Standards for New or Modified Sources of Lead

- A. A new source, the actual emissions of which are in excess of 5.0 tons per year of lead or lead compounds measured as elemental lead, shall utilize best available control technology (BACT).
- B. Any modification of a lead point source which results in an increase in excess of 0.6 tons per year of lead or lead compounds measured as elemental lead shall utilize BACT.
- C. The owner or operator of a proposed new or modified source of lead shall perform a source impact analysis to demonstrate that the allowable emission increases from the proposed source or modification would not cause or contribute to a violation of the lead ambient air quality standard in the source impact area including background concentrations. Source impact analysis shall be based on the applicable air quality models and data bases acceptable to the Director.

#### 48.5 Lead Ambient Monitoring Requirements

The Director may require ambient lead monitoring in the vicinity of a source regulated by this Section. This monitoring shall be done in accordance with the requirements of Section 26.0 (Monitoring, Recording, and Reporting) of these regulations.