

WAC 173-415-030 Emission standards. (1) Fluoride.

(a) The emission of total fluorides from a primary aluminum reduction plant shall meet the requirements in 40 C.F.R. 63 Subpart LL.

(b) In addition to meeting the requirements in (a) of this subsection, the emission of fluorides from a primary aluminum reduction plant shall meet the requirements in chapter 173-481 WAC.

(c) If ecology has reason to believe that adverse fluoride impacts are occurring, a primary aluminum reduction plant must establish, in response to a request from ecology, an ambient air and/or forage monitoring program approved by ecology as required by WAC 173-481-150.

(2) Particulate. Facilities shall reduce the total emission of particulate matter to the atmosphere from the reduction process (potlines) to the lowest level consistent with reasonably available control technology (RACT) for primary aluminum reduction plants. The emission of solid particulate shall not exceed 7.5 grams per kilogram (fifteen pounds per ton) of aluminum produced on a daily basis. Facilities shall calculate aluminum produced using the method in 40 C.F.R. 63.847 (e) (6) used for determining aluminum production rate.

(3) Visible emissions. Visible emissions from any emissions unit in a primary aluminum reduction plant shall not exceed an average twenty percent opacity for more than six consecutive minutes in any sixty-minute period. This provision shall not apply:

(a) When the presence of uncombined water is the only reason for the opacity of the plume to exceed twenty percent; or

(b) When an alternate opacity limit has been established under WAC 173-400-040, 173-400-081, or 173-400-082.

(4) Fugitive emissions. Each primary aluminum reduction plant shall use RACT to prevent fugitive emissions. Fugitive dust is included in fugitive emissions.

(5) Sulfur dioxide.

(a) Total emissions of sulfur dioxide from all emissions units shall not exceed thirty grams of sulfur dioxide per kilogram of aluminum produced on a monthly average (sixty pounds per ton).

(b) In no case shall any plant cause or permit the emission of a gas containing sulfur dioxide in excess of one thousand parts per million corrected to dry standard conditions for an hourly average.

(6) Operation and maintenance (O&M). At all times, including periods of abnormal operation and upset conditions, owners and operators shall, to the extent practicable, maintain and operate an affected facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practice. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to ecology, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. The means for demonstrating ongoing compliance with good O&M may include, but not be limited to: More frequent source testing, prescriptive procedures or inspections, control values for emissions at values less than the applicable regulatory requirements and that function as an investigative trigger rather than as a limit, collection and efficiency requirements, or the use of CEMs.

(7) Source testing. To demonstrate compliance with this chapter, the testing provisions of chapters 173-400, 173-481 WAC and the requirements in 40 C.F.R. Part 63, Subpart LL shall be applicable.

(8) Alternative emission limitation. An owner or operator may request an alternative emission limitation (as defined in WAC 173-400-030) under:

(a) WAC 173-400-081 for an action covered under a notice of construction application; or

(b) WAC 173-400-082 for a permit modification.

[Statutory Authority: Chapter 70.94 RCW and RCW 70.94.395. WSR 19-10-028 (Order 18-03), § 173-415-030, filed 4/23/19, effective 5/24/19. Statutory Authority: RCW 70.94.395 and 70.94.331. WSR 05-17-169 (Order 05-07), § 173-415-030, filed 8/23/05, effective 9/23/05. Statutory Authority: Chapter 70.94 RCW. WSR 91-05-064 (Order 90-06), § 173-415-030, filed 2/19/91, effective 3/22/91. Statutory Authority: Chapters 43.21A and 70.94 RCW. WSR 83-09-036 (Order DE 83-13), § 173-415-030, filed 4/15/83. Statutory Authority: RCW 70.94.331 and 70.94.395. WSR 80-11-028 (Order DE 80-17), § 173-415-030, filed 8/14/80. Formerly WAC 18-52-031.]