

Chapter 12 Control of Batch Type Hot-Dip Galvanizing Installations

.01 Definitions.

A. In this chapter, the following terms have the meanings indicated.

B. Terms Defined.

(1) "Batch type hot-dip galvanizing installation" means an installation in which clean, oxide-free iron or steel items are coated on a non-continuous basis with a thin layer of zinc by immersion in a bath of molten zinc.

(2) "Flux" means any chemical substance used in a hot-dip galvanizing installation to help metals fuse together by preventing oxidation.

.02 Applicability.

A. Any source which is subject to the provisions of this chapter is also subject to the provisions of any other chapter. However, when this chapter establishes an emissions standard for a specific installation which differs from the general emission standards in COMAR 26.11.06.01--09, this chapter takes precedence.

B. This chapter applies to a person who owns or operates a batch type hot-dip galvanizing installation.

C. This chapter applies Statewide.

.03 Prohibitions and Exemptions.

A. Except as provided in Sec. B of this regulation, a person operating a batch type hot-dip galvanizing installation is prohibited from:

(1) Using ammonium chloride (sal ammoniac) in pre-fluxes and top fluxes except where it is contained in a prepackaged flux compound of which the ammonium chloride content does not exceed 69 percent; and

(2) Applying a flux to a galvanized end product (dusting).

B. A person operating a batch-type hot dip galvanizing installation using an emission control device approved by the Department is exempt from the requirements of Sec. A of this regulation if the visible emissions requirement in Regulation .04 of this chapter is met.

.04 Visible Emissions.

A. A person may not cause or permit the discharge of emissions from any batch type hot-dip galvanizing installation or a building containing such an installation, other than water in an uncombined form, which is greater than 20 percent opacity.

B. A person operating a batch type hot-dip galvanizing installation is not eligible for a visible emission exception under COMAR 26.11.06.02B.

.05 Particulate Matter.

For the purpose of these regulations, batch type hot-dip galvanizing installations are not subject to COMAR 26.11.06.03B and are exempt from COMAR 26.11.06.03C.

.06 Reporting Requirements.

The owner or operator of a batch type hot-dip galvanizing installation shall provide to the Department, as part of the annual permit-to-operate application, a complete listing of all fluxes used at the galvanizing installation during the previous calendar year. The listing shall include the type of flux, manufacturer's identification, chemical composition, and the amount consumed for that year.

~~Administrative History~~

~~Effective date: June 8, 1981 (8:9 Md. R. 800)~~

~~Regulation .04B amended effective July 2, 1985 (12:11 Md. R. 1050)~~

~~Chapter recodified from COMAR 10.18.12 to COMAR 26.11.12~~

~~Regulation .01 amended effective May 8, 1995 (22:9 Md. R. 648)~~

~~Regulation .02 amended effective May 8, 1995 (22:9 Md. R. 648)~~

~~Regulation .03 amended effective May 8, 1995 (22:9 Md. R. 648)~~