

# DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

## DIVISION OF AIR AND WASTE MANAGEMENT

Statutory Authority: 7 Delaware Code, Chapter 60, (7 Del.C. Ch. 60)

### PROPOSED

#### 1114 Visible Emissions

#### ~~Regulation No. 14~~ 1114 Visible Emissions

07/17/1984

~~Section 1~~

#### **1.0 General Provisions**

- 1.1 The purpose of this regulation is to control the emissions of visible air contaminants from all stationary sources except electric arc furnaces and their associated dust-handling equipment as set forth in ~~Section 2.2 of this regulation.~~
- 1.2 Measurements of air contaminant visibility shall be in accordance with accepted practices of Ringelmann values or opacity percentages.
- 1.3 The provisions of this regulation shall not apply to the start-up and shutdown of equipment which operates continuously or in an extended steady state when emissions from such equipment during start-up and shutdown are governed by an operation permit issued pursuant to the provisions of ~~Section 2, Regulation No. 2~~ 2.0 of 7 DE Admin. Code 1102.

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~~Section 2~~

#### **2.0 Requirements**

- 2.1 No person shall cause or allow the emission of visible air contaminants ~~and/or~~ smoke from a stationary or mobile source, the shade or appearance of which is greater than ~~twenty (20%) percent~~ 20% opacity for an aggregate of more than three ~~(3)~~ minutes in any one ~~(1)~~ hour or more than ~~fifteen (15)~~ 15 minutes in any ~~twenty-four (24)~~ 24 hour period. For guideline purposes only, Shade Number 1 of the Ringelmann Smoke Chart coincides with the regulatory limit of 20% opacity, when observing black smoke.
- 2.2 The requirements of ~~Section 2.1 of this regulation~~ shall not apply to electric arc furnaces, and their associated dust-handling equipment, with a capacity of more than 100 tons which are governed by ~~Regulation No. 23~~ 7 DE Admin. Code 1123.
- 2.3 The requirements of ~~Section 2.1 of this regulation~~ shall not apply to any existing Catalytic Cracking Unit. No person shall cause or allow the emission of visible air contaminants ~~and/or~~ smoke from any existing Catalytic Cracking Unit, the shade or appearance of which is greater than 50% opacity.

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~~Section 3~~

#### **3.0 Alternate Opacity Requirements**

- 3.1 Whenever the Secretary determines that a source complies with an applicable mass emission standard and demonstrates that the opacity of the complying emissions is more restrictive than the requirements of ~~Section 2.1 of this regulation~~, the Secretary will make an appropriate adjustment to the opacity standard for the affected source.
- 3.2 Whenever an owner or operator can establish compliance with an applicable mass emission standard and fails to comply with ~~Section 2.1 of this regulation~~, the owner or operator may petition the Secretary

setting forth the results of the emission testing and/or evaluation and request the Secretary to make an appropriate adjustment to the opacity standard for the affected source.

- 3.3 The Secretary may grant such a petition as outlined in ~~Section 3.2~~ of this regulation upon a demonstration by the owner or operator that the affected source and associated air pollution control equipment was operated and maintained during the mass emission test in a manner to minimize the opacity of emissions during emission testing and/or evaluation that the mass emissions testing was performed in accordance with procedures approved by the Department; and that the affected source and associated air pollution control equipment is incapable of continuously meeting applicable opacity standards as set forth in ~~Section 2.1~~ of this regulation.
- 3.4 The Secretary may establish an opacity standard for the affected source at a level at which the source will be able to meet the adjusted opacity standard at all times during which the source is meeting the applicable mass emission rate standard. The Secretary will make the adjusted opacity standard a part of the operating permit in the form of an operating condition.
- 3.5 Any action by the Secretary pursuant to the provisions of ~~Section 3~~ 3.0 of this regulation shall be incorporated in the State Implementation Plan.

07/17/1984

~~Section 4~~

#### **4.0 Compliance with Opacity Standards**

- 4.1 For purposes of this regulation, compliance with opacity standards shall be in accordance with ~~Subsection 1.5(c) of Regulation 20~~ 1.5.3 of 7 DE Admin. Code 1120.

**12 DE Reg. 29 (07/01/08) (Prop.)**