

**REGULATION 8
ORGANIC COMPOUNDS
RULE 26
MAGNET WIRE COATING OPERATIONS**

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**REGULATION 8
ORGANIC COMPOUNDS
RULE 26
MAGNET WIRE COATING OPERATIONS**

(Adopted May 7, 1980)

8-26-100 GENERAL

8-26-101 Description: The purpose of this Rule is to limit the emission of volatile organic compounds (VOC) from magnet wire coating operations.

8-26-110 Exemption, Small User: The requirements of this Rule shall not apply to sources that emit, at their design production rating, 6.8 kg. (15 lbs.) per day or less of VOC.

8-26-111 Exemption, Electrical Machinery: The requirements of this Rule shall not apply to the coating of electrical machinery and equipment subassemblies such as motor housings, rotors, stators or armatures.

8-26-200 DEFINITIONS

8-26-201 Approved Emission Control System: A system for reducing emissions of VOC to the atmosphere, consisting of a control device and a collection system, which is approved by the APCO and which satisfies the following conditions:

201.1 The control device shall achieve the control efficiency specified in Section 8-26-301 at all times during normal operation of the equipment being controlled.

201.2 The collection system shall vent all coating, drying, and curing exhausts to the control device.

201.3 The collection system shall be designed and operated in accordance with good engineering practice for maximum collection emissions.

8-26-202 Magnet Wire: Wire used in electromagnetic field application in electrical machinery and equipment such as transformers, motors, generators, and magnetic tape recorders.

8-26-203 Magnet Wire Coating Operation: The process of applying insulation coatings such as varnish or enamel on magnet wire where wire is continuously drawn through a coating applicator.

8-26-204 Volatile Organic Compound: Any organic compound (excluding methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate) which would be emitted during use, application, curing or drying of a solvent or surface coating.

204.1 For purposes of calculating VOC content of a coating, any water or any of the following non-precursor organic compounds shall not be considered to be part of the coating:

acetone

parachlorobenzotrifluoride (PCBTF)

cyclic, branched or linear completely methylated siloxanes (VMS)

(Adopted December 20, 1995)

8-26-300 STANDARDS

8-26-301 Magnet Wire Coating Requirements: Effective January 1, 1989, a person shall not apply any magnet wire coating unless one or more of the following conditions is satisfied:

301.1 The coating operation uses a magnet wire coating which contains less than 200 g/liter (1.67 lb./gal.), excluding water, of VOC, or

301.2 Emissions of VOC are controlled by an approved emission control system, as defined in this rule, with a control device efficiency of at least 90% on a mass basis.

8-26-600 MANUAL OF PROCEDURES

8-26-601 Analysis of Samples: Samples of volatile organic compounds as defined in Section 8-26-301 shall be analyzed as prescribed in the Manual of Procedures, Volume III, Method 21 or 22. (Adopted March 17, 1982)

8-26-602 Determination of Emissions: Emissions of volatile organic compounds as specified in Section 8-26-110 and 301 shall be measured as prescribed in the Manual of Procedures, Volume IV, ST-7. (Adopted March 17, 1982)