

**REGULATION 11
HAZARDOUS POLLUTANTS
RULE 3
BERYLLIUM**

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**REGULATION 11
HAZARDOUS POLLUTANTS
RULE 3
BERYLLIUM**

11-3-100 GENERAL

11-3-101 Description: The purpose of this Rule is to control the emission of beryllium to the atmosphere. Where weights or concentrations are specified, such weights or concentrations shall apply to the element beryllium only, excluding the weights or concentration of any associated elements.

11-3-200 DEFINITIONS

11-3-201 Beryllium Containing Waste: Material contaminated with beryllium and/or beryllium compounds used or generated during any process or operation performed by a source subject to this Rule.

11-3-202 Extraction Plant: A plant chemically processing beryllium ore to beryllium metal, alloy, or oxide, or performing any of the intermediate steps in these processes.

11-3-300 STANDARDS

11-3-301 Emission Limitation: A person shall not discharge more than 10 g of beryllium over a 24 hour period from an incineration operation or any plant which processes beryllium, beryllium oxide, beryllium alloys containing more than .1% by weight, or beryllium containing waste; or from machine shops which process beryllium, beryllium oxides, or any alloy when such alloy contains more than 5% beryllium by weight.

11-3-302 Burning Beryllium By Incineration: A person shall not burn beryllium and/or beryllium containing waste by any method except an incineration operation. The resulting emissions must comply with this Rule.

11-3-303 Ambient Concentration Limits: Rather than meet the requirements of Sections 11-3-301 or 11-3-302, a person may request approval from the APCO to meet an ambient concentration limit on beryllium in the vicinity of the stationary source of 0.01 ug/m³, averaged over a 30-day period. Approval of this request constitutes a waiver of the requirement for emission testing.

11-3-400 ADMINISTRATIVE REQUIREMENTS

11-3-401 Ambient Concentration Limit Conditions: Approval of a request to meet an ambient concentration limit as designated in Section 11-3-303 may be granted by the APCO provided the following conditions are met:

401.1 At least 3 years of data be submitted which in the judgement of the APCO demonstrates that the future ambient concentrations of beryllium in the vicinity of the stationary source will not exceed 0.01 ug/m³, averaged over a 30 day period. Such 3 year period shall be the 3 years ending 30 days before the effective date of this standard as promulgated in 40 CFR 61.

401.2 The person requests such approval in writing within 30 days.

401.3 The person submits a report to the APCO within 45 days after the effective date of this Rule which report includes a description of the sampling method, including the method and frequency of calibration; the method of sampling analysis; the averaging technique for determining 30 day average concentrations; the number, identity, and location (address, coordinated, or distance and heading from plant) of sampling site; the ground elevations and height above ground of sampling inlets; the plant and sampling area plots showing emission points and sampling sites. Topographic features

significantly affecting dispersion including plant building heights and locations shall be included; information necessary for estimating dispersion, including stack height, inside diameter, exit gas temperature, exit velocity or flow rate, and beryllium concentration; and a description of data and procedures (methods or models) used to design the air sampling network (i.e., number and location of sampling sites).

401.4 Air sampling data required by 401.1 indicating beryllium concentrations in the vicinity of the stationary source for the 3 year period is presented chronologically and includes the beryllium concentration and location of each individual sample taken by the network and the corresponding 30 day average beryllium concentrations.

11-3-402 Approved of Ambient Concentration Limit: Within 60 days after receiving the information required in Section 11-3-401, the APCO will notify the person in writing whether approval is granted or denied. Prior to denying approval to comply with the provisions of Section 11-3-303, the APCO will consult with representatives of the stationary source for which the demonstration report was submitted.

11-3-403 Reporting: Any person subject to the provisions of this Rule shall furnish the APCO writing notification of the anticipated date of initial startup of the source not more than 60 days nor less than 30 days prior to such date, and notification of the actual date of initial startup of the source within 15 days of such date.

11-3-404 Testing: Unless a waiver of emission testing has been obtained from the APCO, the person responsible for emissions is required to source test the emissions within 90 days of startup of any new source operation subject to the emission standards of this Rule. The APCO shall be notified at least 30 days prior to an emission test in order to have the option to conduct or observe the test.

11-3-600 MANUAL OF PROCEDURES

11-3-601 Source Test Methods: Any person subject to the emission limits of this Rule shall use source test methods and procedures as are specified in the Manual of Procedures, Volume IV, ST-2 or EPA-104. (Amended March 17, 1982)

11-3-602 Atmospheric Sampling: The requirements of Section 11-3-303 for monitoring concentration of beryllium, including siting, sampling, and reporting procedures, as described in the Manual of Procedures, Volume VI, Section 3. (Amended March 17, 1982)