

10 CSR 10-5.360 Control of Emissions from Polyethylene Bag Sealing Operations

(1) Application.

(A) This rule shall apply throughout St. Louis City and Jefferson, St. Charles, Franklin and St. Louis Counties.

(B) This rule applies to all installations which have the uncontrolled potential to emit more than one hundred (100) tons per year or two hundred fifty (250) kilograms per day of volatile organic compounds from any polyethylene bag sealing operation. This rule shall also apply to any installation which does not have an allowable VOC emission limit established under 10 CSR 10-6.060 or legally enforceable state implementation plan revision and which has uncontrolled potential emissions greater than or equal to two hundred fifty (250) kilograms per day or one hundred (100) tons per year. The uncontrolled potential to emit is the potential emissions (as defined) plus the emissions removed by controlled devices.

(2) Definitions of certain terms specified in this rule may be found in 10 CSR 10-6.020.

(3) Emission limits. No owner or operator shall use or permit the use of any polyethylene bag sealing operations unless the operations are equipped with a control method that will remove, destroy or prevent discharge into the ambient air a daily average of no less than sixty-five percent (65%) by weight of uncontrolled volatile organic compound emissions.

(4) Reporting and Recordkeeping.

(A) The owner or operator of a polyethylene bag sealing operation covered by this rule must maintain records consisting of the composition and amount of sealant used, the amount and type of solvent used, the amount and type of clean-up solvent used and discarded, maintenance and repairs of air pollution control equipment, results of any emissions testing and all other information necessary to determine daily compliance with this rule. This information shall be made available to the director upon request.

(B) For owners or operators utilizing add-on control technology, the following parameters will be monitored:

1. Exhaust gas temperature of all incinerators;
2. Temperature rise across a catalytic incinerator bed;
3. VOC breakthrough on a carbon adsorption unit;

4. Any other parameter requested by the director.

(C) Inventory records of all information required in subsection (4)(A) and (B) shall be kept for a period of not less than two (2) years, and all such records shall be made available to the staff director upon his/her request.

(D) For add-on control technology, compliance with this rule shall be determined by the testing methods referenced in 10 CSR 10-6.030(14)(A).

(5) Compliance Schedules.

(A) The owner or operator of a polyethylene bag sealing operation achieving compliance with section (3) of this rule through the use of add-on control equipment must meet the applicable increments of progress in the following schedule:

1. Award contracts, issue purchase orders, or otherwise order the emission control system and process equipment before April 1, 1983;

2. Complete installation of the emission control equipment, before March 1, 1984; and

3. Achieve final compliance, determined in accordance with subsection (4)(D) before April 1, 1984.

(B) The owner or operator of a polyethylene bag sealing operation achieving compliance with section (3) of this rule through the use of exempted solvents must:

1. Achieve a five percent (5%) reduction in emissions by March 31, 1983;

2. Achieve a thirty-five percent (35%) reduction in emissions by March 31, 1984; and

3. Achieve a final compliance by March 31, 1985.

(C) In the event that an installation utilizing exempted solvents cannot achieve the emissions reduction required in section (3) of this rule, final compliance through the use of add-on control equipment shall be no later than March 31, 1985.

(6) Seasonal Afterburner Exemption.

(A) The owner or operator of an installation who achieves compliance with this rule through the use of a natural gas-fired afterburner may discontinue operation of said afterburner for a period not longer than six (6) consecutive months beginning October 15, and ending April 15 if:

1. Said afterburner is not used to control odors; and
2. The discontinuance of operation will not violate local) ordinances.

(B) If in the opinion of the director the discontinued operation of an afterburner causes a nuisance, said afterburner shall be operated in a manner prescribed by the director.

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EPA Rulemakings

CFR: 40 C.F.R. 52.1320(c)(79)(i)(B)
FRM: 59 FR 43480 (8/24/94), Correction Notice 60 FR 16806 (4/3/95)
PRM: 57 FR 32191 (7/21/92)
State Submission: 11/20/91
State Proposal: 16 MR 989 (7/1/91)
State Final: 10 C.S.R. 10-5 (11/29/91)
APDB File: MO-100
Description: This revision updates this rule to include the correct reference method specified in 10 C.S.R. 10-6.030.

CFR: 40 C.F.R. 52.1320(c)(71)(i)(B)
FRM: 55 FR 7712 (3/5/90)
PRM: 54 FR 43183 (10/23/89)
State Submission: 3/30/89
State Proposal: 13 MR 1712 (10/17/88)
State Final: 14 MR 331 (3/1/89)
APDB File: MO-75
Description: The EPA approved revisions to the regulation which: (1) clarified applicability, (2) tightened recordkeeping requirements, (3) requires daily compliance, and (4) made other miscellaneous changes.

CFR: 40 C.F.R. 52.1320(c)(40)
FRM: 49 FR 40164 (10/15/84)
PRM: 48 FR 5022 (2/3/83); 48 FR 15493 (4/11/83)
State Submission: 12/23/82
State Proposal: 7 MR 1007 (7/1/82)
State Final: 7 MR 1577 (11/1/82)
APDB File: MO-35
Description: The EPA approved a new rule controlling emissions from polyethylene bag sealing as part of the 1982 ozone SIP.

Difference Between the State and EPA-Approved Regulation

None.