

10 CSR 10-2.320 Control of Emissions from Production of Pesticides and Herbicides

(1) Applicability.

(A) This regulation applies throughout Clay, Jackson and Platte Counties.

(B) This regulation applies to any pesticide or herbicide manufacturing installation with an uncontrolled potential to emit equal to or greater than two hundred fifty kilograms per day (250 kg/day) or one hundred (100) tons per year of volatile organic compounds (VOC). This regulation also applies 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 kilograms per day or (250 kg/day) one hundred (100) tons per year of VOC. The uncontrolled potential to emit is the potential emissions (as defined) plus the emissions removed by control devices.

(C) This regulation does not apply to source operations used exclusively for chemical or physical analysis of determinations of product quality and commercial acceptance (such as pilot plant operations and laboratories) unless the operation is an integral part of the production process.

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

(3) General Provisions. All source operations in installations affected by this rule that are venting emissions to VOC emission control devices as of November 23, 1987 shall be required to continue venting emissions to these control devices and these emissions shall be controlled to the extent required in this section. Any pesticide or herbicide manufacturing installation VOC emissions control devices subject to this regulation must achieve an instantaneous VOC destruction or removal efficiency greater than or equal to ninety-nine percent (99%).

(4) Reporting and Recordkeeping.

(A) Owners or operators utilizing thermal oxidizers as control technology must maintain adequate records of the combustion chamber temperature and residence time to determine the VOC control compliance. Also, the owners or operators must maintain records of routine or unscheduled maintenance and repairs of the thermal oxidizers. The director may require any other records of operating parameters as may be necessary to determine compliance.

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(B) Owners or operators using other control technology shall maintain records of all operating parameters and routine or unscheduled maintenance and repairs of air pollution control equipment as may be required by the director to determine compliance.

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

(5) Test Methods.

(A) VOC compliance is to be determined by test method 25 as specified in 10 CSR 10- 6.030(22).

(B) For thermal oxidizers, compliance is to be determined by the combustion chamber temperature and residence time after adequate test results, as determined by the director, are provided by the owners or operators. These test results are subject to periodic confirmation at the discretion of the director. Combustion chamber gas temperature is to be monitored with an accuracy of the greater of + or - 0.75% of the temperature being measured expressed in degrees Celsius or 2.5 degrees Celsius.

EPA Rulemakings

CFR: 40 C.F.R. 52.1320(c)
 FRM: 85 FR 51663 (8/21/20)
 PRM: 85 FR 6123 (2/4/20)
 State Submission: 1/14/19
 State Final: 10 C.S.R. 10-2 (12/31/18) effective 1/30/19
 APDB File: MO-394
 Description: This revision streamlines the rule, updates references to test methods, removes the unnecessary use of restrictive words, and makes administrative changes.

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. 10-2 (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) (65) (i) (C)
 FRM: 54 FR 10322 (3/13/89)
 PRM: 53 FR 24735 (6/30/88)
 State Submission: 12/18/87
 State Proposal: 12 MR 994 (7/13/87)
 State Final: 12 MR 1717 (11/13/87)
 APDB File: MO-49
 Description: The EPA approved a new regulation requiring pesticide and herbicide manufacturers to achieve a VOC destruction or removal efficiency of 99 percent or greater.

Difference Between the State and EPA-Approved Regulation

None.