REGULATION 6.50 NO_x Requirements for Portland Cement Kilns

Air Pollution Control District of Jefferson County
Jefferson County, Kentucky

Relates To: KRS Chapter 77 Air Pollution Control
Pursuant To: KRS Chapter 77 Air Pollution Control
Necessity and Function: KRS 77.180 authorizes the Air Pollution Control Board to adopt and enforce all orders, rules, and regulations necessary or proper to accomplish the purposes of KRS Chapter 77. This regulation, which provides for regional control of oxides of nitrogen (NO_x) emissions from portland cement kilns pursuant to the federal mandate published under the EPA's NO_x SIP Call, would allow the District to enforce 401 KAR 51:170 *NO_x requirements for cement kilns.*

SECTION 1 Definitions
Terms used in this regulation that are not defined in this regulation shall have the meaning given to them in Regulation 1.02 *Definitions*.
1.1 "Affected facility" means a portland cement kiln that has a process rate equal to or greater than that rate specified in Section 2.
1.2 "Control period" means the following:
1.2.1 For the year 2004, the period beginning May 31, 2004, and ending September 30, 2004, and
1.2.2 For all years after 2004, the period beginning May 1 of a year and ending September 30 of that year.

SECTION 2 Applicability
This regulation applies to each portland cement kiln with a process rate, on or after January 1, 1995, equal to or greater than any 1 of the following:
2.1 For a long dry kiln, 12 tons of clinker produced per hour,
2.2 For a long wet kiln, 10 tons of clinker produced per hour,
2.3 For a preheater kiln, 16 tons of clinker produced per hour, and
2.4 For a precalciner or preheater/precalciner kiln, 22 tons of clinker produced per hour.

SECTION 3 Standards for Portland Cement Kilns
3.1 On and after May 31, 2004, the NO_x emissions from an affected facility during a control period shall not exceed 6.6 pounds per ton of clinker produced, based upon a rolling 30-day average.
3.2 The requirement in section 3.1 shall not apply during the following periods:
3.2.1 Startup, shutdown, or malfunction that do not exceed 36 consecutive hours, and
3.2.2 Regularly-scheduled maintenance activities.

SECTION 4 Reporting, Monitoring, and Recordkeeping
4.1 Reporting requirements. The owner or operator of an affected facility shall submit the following reports to the District:
4.1.1 By May 31, 2004, a report that includes the following:
4.1.1.1. The number and type of each affected facility,
4.1.1.2 The name and address of the stationary source where the affected facility is located, and
4.1.1.3 The name and telephone number of the person responsible for demonstrating that the

affected facility is in compliance.

4.1.2 By October 31 of each year, beginning in 2004, a report that documents the total NO_x emissions from each affected facility during the control period.

4.2 Monitoring requirements. Beginning April 1, 2004, the owner or operator of an affected facility shall monitor NO_x emissions during each control period in accordance with the provisions in 40 CFR 96.70 to 96.76.

4.3 Recordkeeping requirements. The owner or operator of an affected facility shall maintain all records necessary to demonstrate compliance with the standards in Section 3 for a period of 5 years. These records shall:

4.3.1 Be kept at the stationary source where the affected facility is located,

4.3.2 Be made available to the District, the Cabinet, and the EPA upon request, and

4.3.3 Contain the following information:

4.3.3.1 NO_x emissions from the affected facility, in pounds of NO_x per ton of clinker produced,

4.3.3.2 The results of all performance tests,

4.3.3.3 Daily clinker production records, and

4.3.3.4 The date, time, and duration of all startups, shutdowns, or malfunctions in the operation of the affected facility or the emissions monitoring equipment.

Adopted v1/3-20-02; effective 3-20-02.