

Environmental Protection Agency

§ 63.11621

with § 63.11621(e) and all associated requirements by July 1 of the year following the one-year period.

STANDARDS, MONITORING, AND COMPLIANCE REQUIREMENTS

§ 63.11621 What are the standards for new and existing prepared feeds manufacturing facilities?

You must comply with the management practices and standards in paragraphs (a) through (f) of this section at all times.

(a) In all areas of the affected source where materials containing chromium or manganese are stored, used, or handled, you must comply with the management practices in paragraphs (a)(1) and (2) of this section.

(1) You must perform housekeeping measures to minimize excess dust. These measures must include, but not be limited to, the practices specified in paragraphs (a)(1)(i) through (iii) of this section.

(i) You must use either an industrial vacuum system or manual sweeping to reduce the amount of dust;

(ii) At least once per month, you must remove dust from walls, ledges, and equipment using low pressure air or by other means, and then sweep or vacuum the area;

(iii) You must keep doors shut except during normal ingress and egress.

(2) You must maintain and operate all process equipment in accordance with manufacturer's specifications and in a manner to minimize dust creation.

(b) You must store any raw materials containing chromium or manganese in closed containers.

(c) The mixer where materials containing chromium or manganese are added must be covered at all times when mixing is occurring, except when the materials are being added to the mixer. Materials containing chromium or manganese must be added to the mixer in a manner that minimizes emissions.

(d) For the bulk loading process where prepared feed products containing chromium or manganese are loaded into trucks or railcars, you must use a device at the loadout end of each bulk loader to lessen fugitive emissions by reducing the distance be-

tween the loading arm and the truck or railcar.

(e) For the pelleting operations at prepared feeds manufacturing facilities with an average daily feed production level exceeding 50 tons per day, you must capture emissions and route them to a cyclone designed to reduce emissions of particulate matter by 95 percent or greater. You must also comply with the provisions in paragraphs (e)(1) through (3) of this section.

(1) You must demonstrate that the cyclone is designed to reduce emissions of particulate matter by 95 percent or greater using one of the methods specified in paragraphs (e)(1)(i) through (iii) of this section.

(i) Manufacturer specifications;

(ii) Certification by a professional engineer or responsible official; or

(iii) A performance test conducted in accordance with § 63.11623 of this section.

(2) You must establish an inlet flow rate, inlet velocity, pressure drop, or fan amperage range that represents proper operation of the cyclone in accordance with the applicable requirement in paragraphs (e)(2)(i), (ii), or (iii) of this section.

(i) If you demonstrate the cyclone design efficiency using manufacturer specifications in accordance with paragraph (e)(1)(i) of this section, the inlet flow rate, inlet velocity, pressure drop, or fan amperage range that represents proper operation of the cyclone must be provided by the manufacturer.

(ii) If you demonstrate the cyclone design efficiency using certification by a professional engineer or responsible official in accordance with paragraph (e)(1)(ii) of this section, this certification must include calculations to establish an inlet flow rate, inlet velocity, pressure drop, or fan amperage range that represents proper operation of the cyclone.

(iii) If you demonstrate the cyclone design efficiency using a performance test in accordance with paragraph (e)(1)(iii) of this section, you must monitor the inlet flow rate, inlet velocity, pressure drop, or fan amperage during the test and establish a range that represents proper operation of the cyclone based on the data obtained during the test.

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(3) You must maintain and operate the cyclone in accordance with manufacturer's specifications. If manufacturer's specifications are not available, you must develop and follow standard maintenance and operating procedures that ensure proper operation of the cyclone.

§ 63.11622 What are the monitoring requirements for new and existing sources?

(a) If you own or operate an affected source required by § 63.11621(d) to use a device at the loadout end of a bulk loader that reduces fugitive emissions from a bulk loading process, you must perform monthly inspections of each device to ensure it is in proper working condition. You must record the results of these inspections in accordance with § 63.11624(c)(4) of this subpart.

(b) If you own or operate an affected source required by § 63.11621(e) to install and operate a cyclone to control emissions from pelleting operations, you must comply with the inspection and monitoring requirements in paragraphs (b)(1) and (2) of this section.

(1) You must perform quarterly inspections of the cyclone for corrosion, erosion, or any other damage that could result in air in-leakage, and record the results in accordance with § 63.11624(c)(5)(ii).

(2) You must monitor inlet flow rate, inlet velocity, pressure drop, or fan amperage at least once per day when the pelleting process is in operation. You must also record the inlet flow rate, inlet velocity, pressure drop, or fan amperage in accordance with § 63.11624(c)(5)(iii).

§ 63.11623 What are the testing requirements?

(a) If you are demonstrating that the cyclone required by § 63.11621(e) is designed to reduce emissions of particulate matter by 95 percent or greater by the performance test option in § 63.11621(e)(1)(iii), you must conduct a test in accordance with paragraph (b) of this section and calculate the percent reduction in accordance with paragraph (c) of this section.

(b) You must use Method 5 in Appendix A to part 60 to determine the particulate matter mass rate at the inlet and outlet of the cyclone. You must conduct at least three runs at the cyclone inlet and three runs at the cyclone outlet. Each run must have a sampling time of at least 60 minutes and a sample volume of at least 0.85 dscm (30 dscf).

(c) You must calculate the percent particulate matter reduction using Equation 1.

PM RED = ((M_INLET - M_OUTLET) / M_INLET) x 100 Equation 1

Where:

PM RED = particulate matter reduction, percent;

M_INLET = Mass of particulate matter at the inlet of the cyclone, dry basis, corrected to standard conditions, g/min;

M_OUTLET = Mass of particulate matter at the outlet of the cyclone, dry basis, corrected to standard conditions, g/min;

§ 63.11624 What are the notification, reporting, and recordkeeping requirements?

(a) Notifications. You must submit the notifications identified in paragraphs (a)(1) and (2) of this section.

(1) Initial Notification. If you are the owner of an affected source you must submit an Initial Notification no later than May 5, 2010, or 120 days after you become subject to this subpart, whichever is later. The Initial Notification must include the information specified in paragraphs (a)(1)(i) through (iv) of this section.

(i) The name, address, phone number and e-mail address of the owner and operator;

(ii) The address (physical location) of the affected source;

(iii) An identification of the relevant standard (i.e., this subpart); and