

surrogate for fan speed as revolutions per minute) or the daily average pressure drop at or above the minimum levels established during the initial performance test.

(3) For each dry electrostatic precipitator applied to meet any particulate matter emission limit in Table 1 to this subpart, you must meet the operating limits in paragraph (b)(3)(i) or (ii) of this section.

(i) Maintain the 6-minute average opacity of emissions exiting the control device stack at or below the level established during the initial performance test.

(ii) Maintain the daily average secondary voltage and daily average secondary current for each field at or above the minimum levels established during the initial performance test.

(4) For each wet electrostatic precipitator applied to meet any particulate matter emission limit in Table 1 to this subpart, you must meet the operating limits in paragraphs (b)(4)(i) through (iii) of this section.

(i) Maintain the daily average secondary voltage for each field at or above the minimum levels established during the initial performance test.

(ii) Maintain the daily average stack outlet temperature at or below the maximum levels established during the initial performance test.

(iii) Maintain the daily average water flow rate at or above the minimum levels established during the initial performance test.

(5) If you use any air pollution control device other than a baghouse, wet scrubber, dynamic scrubber, dry electrostatic precipitator, or wet electrostatic precipitator, you must submit a site-specific monitoring plan in accordance with § 63.9631(f).

(c) You may petition the Administrator for approval of alternatives to the monitoring requirements in paragraphs (b)(1) through (4) of this section as allowed under § 63.8(f) and as defined in § 63.90.

**§ 63.9591 What work practice standards must I meet?**

(a) You must prepare, and at all times operate according to, a fugitive dust emissions control plan that describes in detail the measures that will

be put in place to control fugitive dust emissions from the locations listed in paragraphs (a)(1) through (6) of this section.

(1) Stockpiles (includes, but is not limited to, stockpiles of uncrushed ore, crushed ore, or finished pellets);

(2) Material transfer points;

(3) Plant roadways;

(4) Tailings basin;

(5) Pellet loading areas; and

(6) Yard areas.

(b) A copy of your fugitive dust emissions control plan must be submitted for approval to the Administrator on or before the applicable compliance date for the affected source as specified in § 63.9583. The requirement for the plant to operate according to the fugitive dust emissions control plan must be incorporated by reference in the operating permit for the plant that is issued by the designated permitting authority under 40 CFR part 70 or 40 CFR part 71.

(c) You can use an existing fugitive dust emissions control plan provided it meets the requirements in paragraphs (c)(1) through (3) of this section.

(1) The plan satisfies the requirements of paragraph (a) of this section.

(2) The plan describes the current measures to control fugitive dust emission sources.

(3) The plan has been approved as part of a State implementation plan or title V permit.

(d) You must maintain a current copy of the fugitive dust emissions control plan onsite, and it must be available for inspection upon request. You must keep the plan for the life of the affected source or until the affected source is no longer subject to the requirements of this subpart.

OPERATION AND MAINTENANCE  
REQUIREMENTS

**§ 63.9600 What are my operation and maintenance requirements?**

(a) As required by § 63.6(e)(1)(i), you must always operate and maintain your affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by this subpart.

(b) You must prepare, and at all times operate according to, a written operation and maintenance plan for each control device applied to meet any particulate matter emission limit in Table 1 to this subpart and to meet the requirement of each indurating furnace subject to good combustion practices (GCP). Each site-specific operation and maintenance plan must be submitted to the Administrator on or before the compliance date that is specified in § 63.9583 for your affected source. The plan you submit must explain why the chosen practices (*i.e.*, quantified objectives) are effective in performing corrective actions or GCP in minimizing the formation of formaldehyde (and other products of incomplete combustion). The Administrator will review the adequacy of the site-specific practices and objectives you will follow and the records you will keep to demonstrate compliance with your Plan. If the Administrator determines that any portion of your operation and maintenance plan is not adequate, we can reject those portions of the plan, and request that you provide additional information addressing the relevant issues. In the interim of this process, you will continue to follow your current site-specific practices and objectives, as submitted, until your revisions are accepted as adequate by the Administrator. You must maintain a current copy of the operation and maintenance plan onsite, and it must be available for inspection upon request. You must keep the plan for the life of the affected source or until the affected source is no longer subject to the requirements of this subpart. Each operation and maintenance plan must address the elements in paragraphs (b)(1) through (4) of this section.

(1) Preventative maintenance for each control device, including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.

(2) Corrective action procedures for bag leak detection systems. In the event a bag leak detection system alarm is triggered, you must initiate corrective action to determine the cause of the alarm within 1 hour of the alarm, initiate corrective action to

correct the cause of the problem within 24 hours of the alarm, and complete the corrective action as soon as practicable. Corrective actions may include, but are not limited to, the actions listed in paragraphs (b)(2)(i) through (vi) of this section.

(i) Inspecting the baghouse for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in emissions.

(ii) Sealing off defective bags or filter media.

(iii) Replacing defective bags or filter media or otherwise repairing the control device.

(iv) Sealing off a defective baghouse compartment.

(v) Cleaning the bag leak detection system probe, or otherwise repairing the bag leak detection system.

(vi) Adjusting the process operation producing the particulate emissions.

(3) Corrective action procedures for continuous parameter monitoring systems (CPMS) for all air pollution control devices except for baghouses. In the event you exceed an established operating limit for an air pollution control device except for a baghouse, you must initiate corrective action to determine the cause of the operating limit exceedance and complete the corrective action within 10 calendar days. The corrective action procedures you take must be consistent with the installation, operation, and maintenance procedures listed in your site-specific CPMS monitoring plan in accordance with § 63.9632(b).

(4) Good combustion practices for indurating furnaces. You must identify and implement a set of site-specific GCP for each type of indurating furnace at your plant. These GCP should correspond to your standard operating procedures for maintaining the proper and efficient combustion within each indurating furnace. Good combustion practices include, but are not limited to, the elements listed in paragraphs (b)(4)(i) through (v) of this section.

(i) Proper operating conditions for each indurating furnace (*e.g.*, minimum combustion temperature, maximum carbon monoxide concentration in the furnace exhaust gases, burner alignment, or proper fuel-air distribution/mixing).

## Environmental Protection Agency

## § 63.9620

(ii) Routine inspection and preventative maintenance and corresponding schedules of each indurating furnace.

(iii) Performance analyses of each indurating furnace.

(iv) Keeping applicable operator logs.

(v) Keeping applicable records to document compliance with each element.

### GENERAL COMPLIANCE REQUIREMENTS

#### § 63.9610 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the requirements in paragraphs (a)(1) through (6) in this section at all times, except during periods of startup, shutdown, and malfunction. The terms startup, shutdown, and malfunction are defined in § 63.2.

(1) The emission limitations in § 63.9590.

(2) The work practice standards in § 63.9591.

(3) The operation and maintenance requirements in § 63.9600.

(4) The notification requirements in § 63.9640.

(5) The reporting requirements in § 63.9641.

(6) The recordkeeping requirements in § 63.9642.

(b) During the period between the compliance date specified for your affected source in § 63.9583 and the date upon which continuous monitoring systems have been installed and certified and any applicable operating limits have been set, you must maintain a log detailing the operation and maintenance of the process and emissions control equipment. This includes the daily monitoring and recordkeeping of air pollution control device operating parameters as specified in § 63.9590(b).

(c) You must develop and implement a written startup, shutdown, and malfunction plan according to the provisions in § 63.6(e)(3).

### INITIAL COMPLIANCE REQUIREMENTS

#### § 63.9620 On which units and by what date must I conduct performance tests or other initial compliance demonstrations?

(a) For each ore crushing and handling affected source, you must demonstrate initial compliance with the

emission limits in Table 1 to this subpart by conducting an initial performance test for particulate matter as specified in paragraphs (a)(1) and (2) of this section.

(1) Except as provided in paragraph (e) of this section, an initial performance test must be performed on all stacks associated with ore crushing and handling.

(2) Initial performance tests must be completed no later than 180 calendar days after the compliance date specified in § 63.9583. Performance tests conducted between October 30, 2003 and no later than 180 days after the corresponding compliance date can be used for initial compliance demonstration, provided the tests meet the initial performance testing requirements of this subpart.

(b) For each indurating furnace affected source, you must demonstrate initial compliance with the emission limits in Table 1 to this subpart by conducting an initial performance test for particulate matter as specified in paragraphs (b)(1) and (2) of this section.

(1) An initial performance test must be performed on all stacks associated with each indurating furnace.

(2) Initial performance tests must be completed no later than 180 calendar days after the compliance date specified in § 63.9583. Performance tests conducted between October 30, 2003 and no later than 180 days after the corresponding compliance date can be used for initial compliance demonstration, provided the tests meet the initial performance testing requirements of this subpart. For indurating furnaces with multiple stacks, the performance tests for all stacks must be completed within a reasonable period of time, such that the indurating furnace operating characteristics remain representative for the duration of the stack tests.

(c) For each finished pellet handling affected source, you must demonstrate initial compliance with the emission limits in Table 1 to this subpart by conducting an initial performance test for particulate matter as specified in paragraphs (c)(1) and (2) of this section.

(1) Except as provided in paragraph (e) of this section, an initial performance test must be performed on all