

consistent with good air pollution control practices for minimizing emissions per § 63.6(e)(1)(i) of subpart A.

(2) *Baghouses equipped with bag leak detection systems.* The owner or operator demonstrates compliance with the bag leak detection system requirements by submitting reports as required by § 63.1659(b)(5) showing that the alarm on the system does not sound for more than 5 percent of the total operating time in a 6-month period. Calculate the percentage of total operating time the alarm on the bag leak detection system sounds as follows:

(i) Do not include alarms that occur due solely to a malfunction of the bag leak detection system in the calculation.

(ii) Do not include alarms that occur during startup, shutdown, and malfunction in the calculation if the condition is described in the startup, shutdown, and malfunction plan and the owner or operator follows all the procedures in the plan defined for this condition.

(iii) Count 1 hour of alarm time for each alarm where the owner or operator initiates procedures to determine the cause within 1 hour of the alarm.

(iv) Count the actual time it takes the owner or operator to initiate procedures to determine the cause of the alarm for each alarm where the owner or operator does not initiate procedures to determine the cause within 1 hour of the alarm.

(v) Calculate the percentage of time the alarm on the bag leak detection system sounds as the ratio of the sum of alarm times to the total operating time multiplied by 100.

§ 63.1657 Monitoring requirements.

(a) *Baghouses.* (1) For the baghouses serving the submerged arc furnaces, the metal oxygen refining process, and crushing and screening operations, the owner or operator must observe on a daily basis for the presence of any visible emissions.

(2) In addition to the daily visible emissions observation, the owner or operator must conduct the following activities:

(i) Daily monitoring of pressure drop across each baghouse cell, or across the baghouse if it is not possible to mon-

itor each cell individually, to ensure the pressure drop is within the normal operating range identified in the baghouse maintenance plan.

(ii) Weekly confirmation that dust is being removed from hoppers through visual inspection, or equivalent means of ensuring the proper functioning of removal mechanisms.

(iii) Daily check of compressed air supply for pulse-jet baghouses.

(iv) An appropriate methodology for monitoring cleaning cycles to ensure proper operation.

(v) Monthly check of bag cleaning mechanisms for proper functioning through visual inspection or equivalent means.

(vi) Quarterly visual check of bag tension on reverse air and shaker-type baghouses to ensure that the bags are not kinked (knead or bent) or laying on their sides. Such checks are not required for shaker-type baghouses using self-tensioning (spring loaded) devices.

(vii) Quarterly confirmation of the physical integrity of the baghouse structure through visual inspection of the baghouse interior for air leaks.

(viii) Semiannual inspection of fans for wear, material buildup, and corrosion through visual inspection, vibration detectors, or equivalent means.

(3) In addition to meeting the requirements of paragraphs (a)(1) and (a)(2) of this section, the owner or operator of a new or reconstructed submerged arc furnace must install and continuously operate a bag leak detection system if the furnace primary and/or tapping emissions are ducted to a negative pressure baghouse or to a positive pressure baghouse equipped with a stack. The bag leak detection system must meet the following requirements:

(i) The bag leak detection system must be certified by the manufacturer to be capable of detecting particulate matter emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grains per actual cubic foot) or less.

(ii) The bag leak detection system sensor must provide output of relative particulate matter loadings, and the owner or operator must continuously record the output from the bag leak detection system.

(iii) The bag leak detection system must be equipped with an alarm system that will sound when an increase in relative particulate loadings is detected over a preset level. The alarm must be located where it can be heard by the appropriate plant personnel.

(iv) Each bag leak detection system that works based on the triboelectric effect must be installed, calibrated, operated, and maintained consistent with the U.S. Environmental Protection Agency guidance document "Fabric Filter Bag Leak Detection Guidance" (EPA-454/R-98-015). Other bag leak detection systems must be installed, calibrated, and maintained consistent with the manufacturer's written specifications and recommendations.

(v) The initial adjustment of the system must, at a minimum, consist of establishing the baseline output by adjusting the sensitivity (range) and the averaging period of the device, and establishing the alarm set points and the alarm delay time.

(vi) Following initial adjustment, the owner or operator must not adjust the sensitivity or range, averaging period, alarm set points, or alarm delay time, except as detailed in the maintenance plan required under § 63.1655(b). In no event must the sensitivity be increased by more than 100 percent or decreased more than 50 percent over a 365-day period unless a responsible official certifies the baghouse has been inspected and found to be in good operating condition.

(vii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

(4) As part of the maintenance plan required by § 63.1655(b), the owner or operator must develop and implement corrective action procedures to be followed in the case of a bag leak detection system alarm (for baghouses equipped with such a system), the observation of visible emissions from the baghouse, or the indication through the periodic baghouse system inspections that the system is not operating properly. The owner or operator must initiate corrective action as soon as practicable after the occurrence of the observation or event indicating a problem.

(5) The corrective action plan must include procedures used to determine the cause of an alarm or other indications of problems as well as actions to minimize emissions. These actions may include the following:

(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) Shutting down the process producing the particulate matter emissions.

(6) Failure to monitor or failure to take corrective action under the requirements of paragraph (a) of this section would be a violation of the general duty to operate in a manner consistent with good air pollution control practices that minimizes emissions per § 63.6(e)(1)(i) of subpart A.

(b) *Venturi scrubbers.* (1) The owner or operator must monitor the pressure drop across the venturi at least every 5 minutes and record the average hourly pressure drop. Measurement of an average hourly pressure drop less than the pressure drop operating parameter limit established during a successful compliance demonstration would be a violation of the applicable emission standard, unless the excursion in the pressure drop is due to a malfunction.

(2) As part of the maintenance plan required by § 63.1655(b), the owner or operator must develop and implement corrective action procedures to be followed in the case of a violation of the pressure drop requirement. The owner or operator must initiate corrective action as soon as practicable after the excursion.

(3) Failure to monitor or failure to take corrective action under the requirements of paragraph (b) of this section is a violation of the general duty to operate in a manner consistent with good air pollution control practices

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that minimizes emissions per § 63.6(e)(1)(i).

(c) *Shop opacity.* The owner or operator subject to the opacity standards in § 63.1653 must comply with one of the monitoring options in paragraphs (c)(1), (c)(2) or (c)(3) of this section. The selected option must be consistent with that selected during the initial performance test described in § 63.1656(d)(2). Alternatively, the owner or operator may use the provisions of § 63.8(f) to request approval to use an alternative monitoring method.

(1) The owner or operator must check and record the control system fan motor amperes and capture system damper positions once per shift.

(2) The owner or operator must install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate through each separately ducted hood.

(3) The owner or operator must install, calibrate, and maintain a monitoring device that continuously records the volumetric flow rate at the inlet of the air pollution control device and must check and record the capture system damper positions once per shift.

(4) The flow rate monitoring devices must meet the following requirements:

(i) Be installed in an appropriate location in the exhaust duct such that reproducible flow rate monitoring will result.

(ii) Have an accuracy ± 10 percent over its normal operating range and be calibrated according to the manufacturer's instructions.

(5) The Administrator may require the owner or operator to demonstrate the accuracy of the monitoring device(s) relative to Methods 1 and 2 of appendix A of part 60 of this chapter.

(6) Failure to maintain the appropriate capture system parameters (fan motor amperes, flow rate, and/or damper positions) establishes the need to initiate corrective action as soon as practicable after the monitoring excursion in order to minimize excess emissions.

(7) Failure to monitor or failure to take corrective action under the requirements of paragraph (c) of this section is a violation of the general duty to operate in a manner consistent with good air pollution control practices

that minimizes emissions per § 63.6(e)(1)(i).

§ 63.1658 Notification requirements.

(a) As required by § 63.9(b) of subpart A, unless otherwise specified in this subpart, the owner or operator must submit the following written notifications to the Administrator:

(1) The owner or operator of an area source that subsequently becomes subject to the requirements of the standard must provide notification to the applicable permitting authority as required by § 63.9(b)(1).

(2) As required by § 63.9(b)(2), the owner or operator of an affected source that has an initial startup before the effective date of the standard must notify the Administrator that the source is subject to the requirements of the standard. The notification must be submitted no later than 120 calendar days after May 20, 1999 (or within 120 calendar days after the source becomes subject to this standard) and must contain the information specified in § 63.9(b)(2)(i) through (b)(2)(v).

(3) As required by § 63.9(b)(3), the owner or operator of a new or reconstructed affected source, or a source that has been reconstructed such that it is an affected source, that has an initial startup after the effective date and for which an application for approval of construction or reconstruction is not required under § 63.5(d), must notify the Administrator in writing that the source is subject to the standards no later than 120 days after initial startup. The notification must contain the information specified in § 63.9(b)(2)(i) through (b)(2)(v), delivered or post-marked with the notification required in § 63.9(b)(5).

(4) As required by § 63.9(b)(4), the owner or operator of a new or reconstructed major affected source that has an initial startup after the effective date of this standard and for which an application for approval of construction or reconstruction is required under § 63.5(d) must provide the information specified in § 63.9(b)(4)(i) through (b)(4)(v).

(5) As required by § 63.9(b)(5), the owner or operator who, after the effective date of this standard, intends to