

and record the 30-day rolling average percent oil content of sinter feed for each operating day. Plants electing the alternative limit must determine VOC emissions every 24 hours (from at least three samples taken at 8-hour intervals) and compute and record the 30-day rolling average emissions (in lb/ton of sinter) for each operating day.

The final rule requires a continuous parameter monitoring system (CPMS) to measure and record operating parameters for capture systems subject to an operating limit. Dampers that are manually set and remain in the same position are exempt from the CPMS requirement. For dampers that are not manually set and remain in the same position, the final rule requires a daily visual check (every 24 hours) to verify they are in the correct positions.

For baghouses, owners or operators are required to monitor the relative change in PM loading using a bag leak detection system and make inspections at specified intervals. The bag leak detection system must be installed and operated according to the EPA guidance document "Fabric Filter Bag Leak Detection Guidance," EPA 454/R-98-015, September 1997. The document is available on the TTN at <http://www.epa.gov/ttnemc01/cem/tribo.pdf>. If the system does not work based on the triboelectric effect, it must be installed and operated consistent with the manufacturer's written specifications and recommendations. The basic inspection requirements include daily, weekly, monthly, or quarterly inspections of specified parameters or mechanisms with monitoring of bag cleaning cycles by an appropriate method. To demonstrate continuous compliance, the final rule requires records documenting conformance with the operation and maintenance plan, as well as the inspection and maintenance procedures.

For venturi scrubbers, owners or operators must use CPMS to measure and record the hourly average pressure drop and scrubber water flow rate. For ESP, owners or operators must use COMS to measure and record the average opacity of emissions exiting each stack of the control device for each 6-minute period. Owners or operators must operate and maintain the COMS according to the requirements in 40 CFR 63.8 and Performance Specification 1 in 40 CFR part 60, appendix B. These requirements include a quality control program including a daily calibration drift assessment, quarterly performance audit, and annual zero alignment.

The final rule requires owners or operators to prepare a site-specific monitoring plan for CPMS that

addresses installation, performance, operation and maintenance, quality assurance, and recordkeeping and reporting procedures. These requirements replace the more detailed performance specifications contained in the proposed rule.

To demonstrate continuous compliance, owners or operators must keep records documenting compliance with the monitoring requirements (including installation, operation, and maintenance requirements for monitoring systems) and the operation and maintenance plan.

#### *H. What Are the Notification, Recordkeeping, and Reporting Requirements?*

The notification, recordkeeping, and reporting requirements are based on the NESHAP General Provisions in 40 CFR part 63, subpart A. Table 4 to subpart FFFFF lists each of the requirements in the General Provisions (§§ 63.2 through 63.15) with an indication of whether they apply.

The plant owner or operator must submit each initial notification required in the NESHAP General Provisions that applies to their facility. These include an initial notification of applicability with general information about the facility and notifications of performance tests, performance evaluations, and compliance status.

Owners or operators are required to maintain the records required by the NESHAP General Provisions that are needed to document compliance, such as performance test results; copies of startup, shutdown, and malfunction plans and associated corrective action records; monitoring data; and inspection records. Except for the operation and maintenance plan for capture systems and control devices, all records must be kept for a total of 5 years, with the records from the most recent 2 years kept onsite. The final rule requires that the operation and maintenance plan for capture systems and control devices subject to an operating limit be kept onsite and available for inspection upon request for the life of the affected source or until the affected source is no longer subject to the final rule requirements.

We clarified the recordkeeping requirements required to demonstrate compliance with the operating limit for sinter plants. The final rule requires records of the sampling date and time, sampling values (oil content or VOC measurements), sinter produced (tons/day), and the 30-day rolling average for each operating day.

Semiannual reports are required for any deviation from an emission limitation (including an operating limit)

or operation and maintenance requirement. Each report is due no later than 30 days after the end of the reporting period. If no deviation occurs, only a summary report is required. If a deviation does occur, more detailed information is required.

An immediate report is required if actions taken during a startup, shutdown, or malfunction are not consistent with the startup, shutdown, and malfunction plan. Deviations that occur during a period of startup, shutdown, or malfunction are not violations if the owner or operator demonstrates to the authority with delegation for enforcement that the source was operating in accordance with the startup, shutdown, and malfunction plan.

#### *I. What Are the Compliance Deadlines?*

The owner or operator of an existing affected source must comply by May 22, 2006. An existing affected source is one constructed or reconstructed before July 13, 2001. We changed the compliance date for existing affected sources from 2 years to 3 years after the effective date because some plants must install new capture and control systems and perform significant upgrades of primary emission control systems.

In the final rule, we have corrected a printing error that incorrectly listed the date defining a new affected source as July 23, 2001. A new affected source is one constructed or reconstructed on or after July 13, 2001. New or reconstructed sources that startup on or before the effective date of today's final rule must comply by May 20, 2003. New or reconstructed sources that startup after the effective date of the final rule must comply upon initial startup.

### **III. Summary of Responses to Major Comments**

#### *A. How Did We Develop the MACT Floors?*

We stated in the proposal preamble that we may take alternative approaches to establish a MACT floor, depending on the type, quality, and applicability of available data. The three approaches most commonly used involve: (1) Reliance on State regulations or permit limits in conjunction with emission test data; (2) use of emissions test data alone to estimate actual emissions; and (3) use of control technology information in conjunction with emission test data to estimate actual emissions performance. In practice, regardless of what approach we select, we attempt to ensure that our emissions performance estimates reasonably characterize the level of performance that the relevant sources