

NSPS 40 CFR 60, Subpart 000 - Quarry

15A NCAC 2D .0524 "NEW SOURCE PERFORMANCE STANDARDS" - For the nonmetallic mineral processing equipment (wet material processing operations, as defined in 60.671, are not subject to this Subpart), the Permittee shall comply with all applicable provisions, including the notification, testing, reporting, recordkeeping, and monitoring requirements contained in Environmental Management Commission Standard 15A NCAC 2D .0524 "New Source Performance Standards" (NSPS) as promulgated in 40 CFR 60, Subpart 000, including Subpart A "General Provisions."

- a. NSPS Reporting Requirements - In addition to any other notification requirements to the Environmental Protection Agency (EPA), the Permittee is required to NOTIFY the Regional Supervisor, DAQ, in WRITING, of the following:
 - i. The actual date of initial start-up of an affected facility, postmarked within 15 days after such date;
- b. NSPS Emissions Limitations - As required by 15A NCAC 2D .0524, the following permit limits shall not be exceeded:
 - i. For affected facilities that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008 (wet material processing operations, as defined in 60.671, are not subject to this Subpart):

Affected Facility	Pollutant	Emission Limit
Crushers	Visible Emissions	15% opacity
Fugitive emissions from conveyor belts, screening operations, and other affected facilities	Visible Emissions	10% opacity

A. If an affected facility is enclosed in a building, the affected facility must comply with the limits listed above OR the building enclosing the affected facilities must comply with a visible emissions limit of seven (7) percent opacity from the building openings (except for vents as defined in 60.671) and a particulate emission limit of 0.022 grains per dry standard cubic foot from the vents.

- ii. For affected facilities constructed, modified, or reconstructed on or after April 22, 2008 (wet material processing operations, as defined in 60.671, are not subject to this Subpart):

Affected Facility	Pollutant	Emission Limit
Crushers	Visible Emissions	12% opacity
Fugitive emissions from conveyor belts, screening operations, and other affected facilities	Visible Emissions	7% opacity

- A. If an affected facility is enclosed in a building, the affected facility must comply with the limits listed above OR the building enclosing the affected facilities must comply with a visible emissions limit of seven (7) percent opacity from the building openings (except for vents as defined in 60.671) and a particulate emission limit of 0.014 grains per dry standard cubic foot from the vents.
- c. NSPS Monitoring and Recordkeeping Requirements - As required by 15A NCAC 2D .0524, for any affected facility that commenced construction, modification, or reconstruction on or after April 22, 2008 that uses wet suppression to control emissions, the following monitoring and recordkeeping shall be conducted:
- i. Perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression systems.
 - ii. Initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles.
 - iii. Record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken in a logbook (in written or electronic format).
 - iv. The logbook (in written or electronic format) shall be maintained on-site and made available to Division of Air Quality personnel upon request.
- d. NSPS Performance Testing - As required by 15A NCAC 2D .0524, the following performance tests shall be conducted:

Affected Facility	Pollutant	Test Method
Vents from a building that encloses affected facilities	PM	Method 5
Openings (except for vents as defined in 60.671) on a building that encloses affected facilities	Visible Emissions	Method 9
Crushers	Visible Emissions	Method 9*
Fugitive emissions from conveyor belts, screening operations, and other affected facilities	Visible Emissions	Method 9*

* According to 60.675(c)(3), when determining compliance with the fugitive emissions standard for affected facilities described under 60.672(b) or 60.672(e)(1), the duration of the Method 9 test must be 30 minutes (five 6-minute averages). Compliance with the fugitive visible emissions limits must be based on the average of the five 6-minute averages.

- i. All performance tests shall be conducted in accordance with EPA Reference Methods, contained in 40 CFR 60, Appendix A;

- ii. The EPA Administrator retains the exclusive right to approve equivalent and alternative test methods, continuous monitoring procedures, and reporting requirements;
- iii. Within 60 days after achieving the maximum production rate at which the facility(s) will be operated, but not later than 180 days after the initial start-up of the affected facility(s), the Permittee shall conduct the required performance test(s) and submit two copies of a written report of the test(s) to the Regional Supervisor, DAQ;
- iv. The Permittee shall be responsible for ensuring, within the limits of practicality, that the equipment or process being tested is operated at or near its maximum normal production rate or at a lesser rate if specified by the Director or his delegate;
- v. All associated testing costs are the responsibility of the Permittee;
- vi. At least 45 days prior to performing any required emissions testing, the Permittee must submit two copies of a testing protocol to the Regional Supervisor, DAQ for review and approval. All testing protocols must be approved by the DAQ prior to performing such tests; and
- vii. To afford the Regional Supervisor, DAQ, the opportunity to have an observer present, the Permittee shall PROVIDE the Regional Office, in WRITING, at least 7 days notice of any required performance test(s) that involve only Method 9. All other tests require a 15 day notice.
- viii. When determining compliance with the visible emissions limit from fugitive emissions from crushers, conveyor belts, screening operations, and other affected facilities (as described in 60.672(b) or 60.672(e)(1)), the duration of the Method 9 test must be 30 minutes (five 6-minute averages). Compliance with the fugitive visible emissions limits must be based on the average of the five 6-minute averages.
- ix. For any affected facility that commenced construction, modification, or reconstruction on or after April 22, 2008 that does not use wet suppression to control emissions, the Permittee shall repeat the performance tests within five (5) years of the previous test.
 - A. If an affected facility relies on water carryover from upstream wet suppression to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement provided that the Permittee conducts periodic inspections of the upstream wet suppression that is responsible for controlling fugitive emissions from the affected facility and designates which upstream wet suppression systems will be periodically inspected at the time of the initial performance test.
- x. If a building encloses affected facilities that commenced construction modification, or reconstruction on or after April 22, 2008, the Permittee must conduct an initial Method 9 performance test.
- xi. If a building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008 and the Permittee has not previously conducted an initial visible emissions performance test, then the Permittee must conduct an initial Method 9 performance test to show compliance with the above limits.

- e. Like-For-Like-Replacement - As provided in 40 CFR 60.670(d), when an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 CFR 60.671, having the same function as the existing facility, and there is no increase in the amount of emissions, the new facility is exempt from the provisions of 40 CFR 60.672, 60.674, and 60.675 except as provided for in 60.670(d)(3). The Permittee shall comply with the reporting requirements of 40 CFR 60.676(a). Equipment covered under 40 CFR 60.670 shall comply the requirements of 15A NCAC 2D .0521.