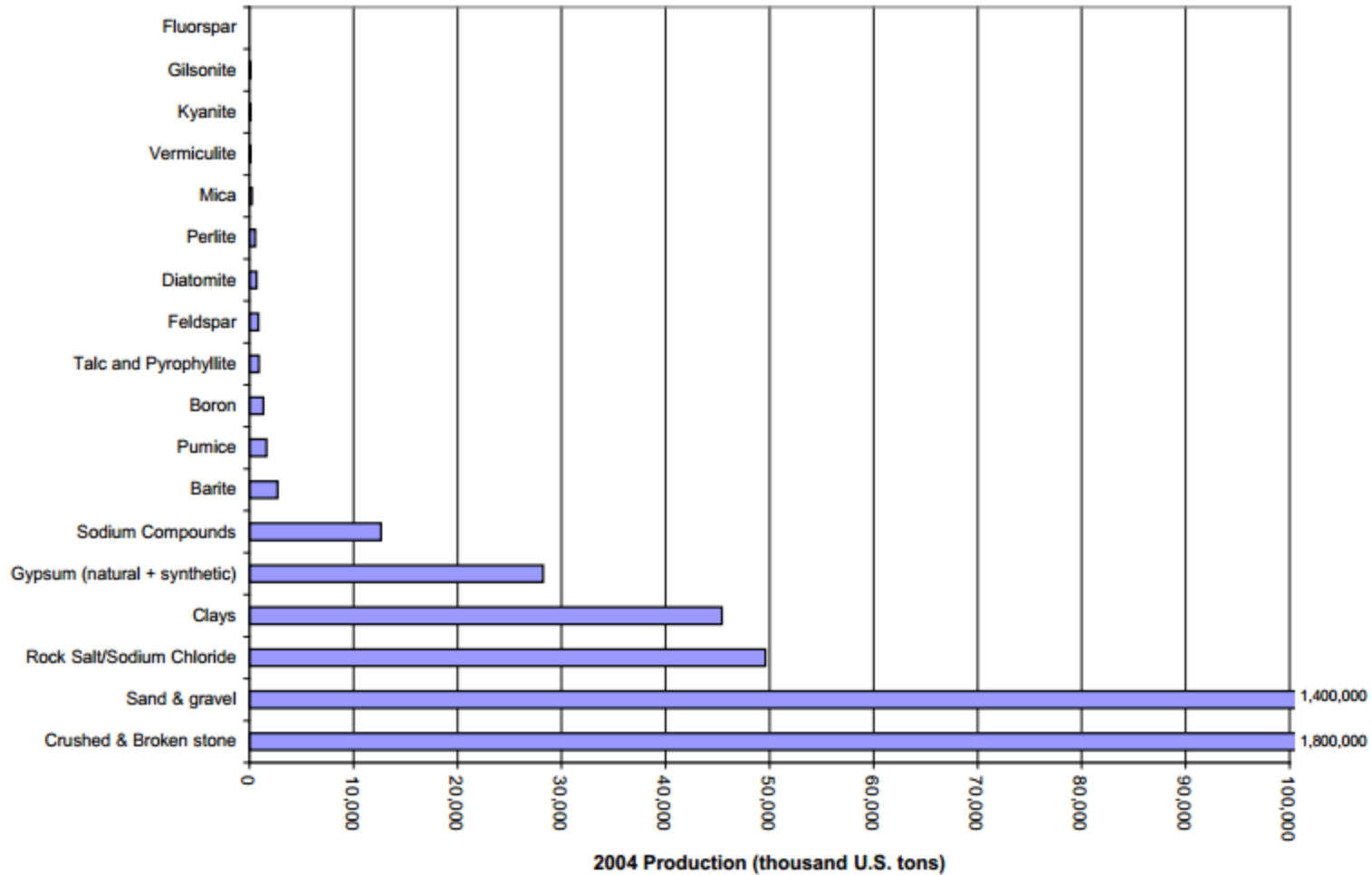


NSPS Subpart 000
Nonmetallic Minerals Processing
Plants

2004 Production – 18 Nonmetallic Mineral

Figure 1. Comparison of 2004 Production (U.S. tons) for the 18 Non-metallic Mineral Types Named in Subpart 000



What is Applicable to Subpart 000

(c) Facilities at the following plants are not subject to the provisions of this subpart:

(1) Fixed sand and gravel plants and crushed stone plants with capacities, as defined in §60.671, of 23 megagrams per hour (25 tons per hour) or less;

(2) Portable sand and gravel plants and crushed stone plants with capacities, as defined in §60.671, of 136 megagrams per hour (150 tons per hour) or less; and

(3) Common clay plants and pumice plants with capacities, as defined in §60.671, of 9 megagrams per hour (10 tons per hour) or less.

Processes Covered (Affected facilities[AF])

- Crushers
- grinding mills
- screening operations
- bucket elevators
- belt conveyors
- bagging operations
- storage bins
- enclosed truck or railcar loading stations

Final rule – 8/1/85

- Stack emissions – 0.022 gr/dscf; 7% opacity; scrubbers – pressure drop; liquid flow rate
- Fugitive emissions – 10%; crusher – no capture system – 15%
- Compliance Demonstration
 - Initial performance test for stack and fugitive emissions
- Like for like replacement exemption except when all AF are new in a production line

Changes to NSPS – after 6/9/97

- No VE's from wet screens and subsequent operations up to next crusher, grinding mill or storage bin
- Exempted wet screens and subsequent affected facilities processing saturated material from Method 9 tests
- Reduced Method 9 fugitive emissions standard from 3 to 1 hr if
 - No readings > 10%; no more than three 10%
- Reduced Method 9 for crushers without capture from 3 to 1 hr if
 - No readings >15%; no more than three 15%

Changes to NSPS – after 4/22/08 – stack emissions

- Lowers the emission limits
 - PM emission limit – 0.022 to 0.014 gr/dscf
 - No stack opacity standard except for individual storage bins(7%).Exempted from PM emission limit.
 - Buildings - 0.014 lb/dscf and 7%
- Establishes ongoing monitoring (quarterly BH inspections/Leak detector and monthly water spray inspections). Repeat emission tests every 5 years

Fugitive Standards – 4/22/08

- Crushers – 12%; all others – 7%
 - The average of five 6-minute averages
- Compliance Demonstration
 - Initial performance test
 - Periodic inspection of water spray nozzles
 - Repeat performance tests after 5 years for non-water sprays affected facilities
 - Shortens the Method 9 testing duration from 3 hrs to 30 minutes

Other changes - 4/22/08

- Exempted
 - screens and subsequent affected facilities from wet mines processing saturated material from Method 9 tests
 - wet material processing
- Change advance notice of testing from 30 to 7 days
- Notice of construction waived