

Subpart LL-Standards of Performance for Metallic Mineral Processing Plants

Applicability and designation of affected facility - §60.380

General	<ol style="list-style-type: none"> 1.) Each crusher and screen in open-pit mines; each crusher, screen, bucket elevator, conveyor belt transfer point, thermal dryer, product packaging station, storage bin, enclosed storage area, truck loading station, truck unloading station, railcar loading station, and railcar unloading station at the mill or concentrator. 2.) Facility commences construction or modification after August 24, 1982.
Exceptions	<ol style="list-style-type: none"> 1.) All facilities located in underground mine. 2.) All facilities at uranium ore processing plants, all facilities subsequent to and including the beneficiation of uranium ore

Standard for particulate matter - §60.382

General	<ol style="list-style-type: none"> 1.) Facility shall not emit any stack emissions that: <ol style="list-style-type: none"> a.) Contain particulate matter in excess of 0.05 grams per dry standard cubic meter. b.) Exhibit greater than 7 percent opacity, unless the stack emissions are discharged from an affected facility using a wet scrubbing emission control device. 2.) On and after the sixtieth day after achieving the maximum production rate, but not later than 180 days after initial startup, process fugitive emissions shall not exhibit greater than 10 percent opacity.
---------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Reconstruction - §60.383

General	Under §60.15, the "fixed capital cost of the new components" includes the fixed capital cost of all depreciable components (except components specified in paragraph (a) of this section) that are or will be replaced pursuant to all continuous programs of component replacement commenced within any 2-year period following August 24, 1982.
Ore-contact surfaces (Crushing surfaces; screen meshes, bars, and plates; conveyor belts; elevator buckets; and pan feeders)	The cost of replacement of ore-contact surfaces on processing equipment shall not be considered in calculating either the "fixed capital cost of the new components" or the "fixed capital cost that would be required to construct a comparable new facility" under §60.15.

Monitoring of operations - §60.384

Facility using a wet scrubbing emission control device	Facility shall install, calibrate, maintain, and operate a monitoring device for the continuous measurement of the change in pressure of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals (± 1 inch water) gauge pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions.
Facility using any type of wet scrubbing emission control device	Facility shall install, calibrate, maintain, and operate a monitoring device for the continuous measurement of the scrubbing liquid flow rate to a wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 5 percent of design scrubbing liquid flow rate and must be calibrated on at least an annual basis in accordance with manufacturer's instructions.

Recordkeeping and reporting requirements - §60.385

General	<ol style="list-style-type: none">1.) Facility shall conduct a performance test and submit to the Administrator a written report of the results of the test as specified in §60.8(a).2.) The reports required under paragraph (c) shall be postmarked within 30 days following the end of the second and fourth calendar quarters. See §60.385 (e) for additional requirements.
Facilities using a wet scrubber	<ol style="list-style-type: none">1.) During the initial performance test, and at least weekly thereafter, record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate.2.) After the initial performance test, the owner or operator shall submit semiannual reports to the Administrator of occurrences when the measurements of the scrubber pressure loss (or gain) and liquid flow rate differ by more than ± 30 percent from the average obtained during the most recent performance test.

Test methods and procedures - §60.386

General	<ol style="list-style-type: none">1.) In conducting the performance tests required in §60.8, use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).2.) The owner or operator shall determine compliance with the particulate matter standards §60.382 as follows:<ol style="list-style-type: none">a.) Method 5 or 17 shall be used to determine the particulate matter concentration. See §60.386 (b) (1).b.) Method 9 and the procedures in §60.11 shall be used to determine opacity from stack emissions and process fugitive emissions. See §60.386 (b) (2).3.) To comply with §60.385(c), use the monitoring devices in §60.3284(a) and (b) to determine the pressure loss of the gas stream through the scrubber and scrubbing liquid flow rate. See §60.386 (c).
---------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------