

CLARK COUNTY

AIR QUALITY REGULATIONS

SECTION 34 - PERFORMANCE STANDARDS FOR METALLIC AND/OR NONMETALLIC MINERAL MINING AND PROCESSING

34.1 Applicability:

This Section applies to any STATIONARY SOURCE which seeks an "AUTHORITY TO CONSTRUCT" CERTIFICATE or a MODIFICATION to an existing permit after January 1, 2004, to mine, store, handle, or process Metallic and/or Nonmetallic Materials in Clark County. An ADMINISTRATIVE CHANGE to an Authority to Construct and/or OPERATING PERMIT does not constitute a MODIFICATION to an existing permit.

34.1.1 This Section applies to EMISSION UNITS in Metallic and/or Nonmetallic Materials processing for which a new source performance standard has been set forth in Section 14 of these Regulations.

34.2 Exemptions:

34.2.1 Any STATIONARY SOURCE not subject to an applicable New Source Performance Standards, in accordance with 40 C.F.R. Part 60 and does not utilize a baghouse or fabric filter, an electrostatic precipitator, or a wet scrubber, excluding wet spray bars, as a control device to limit emissions, and has a total POTENTIAL TO EMIT (PTE) less than 15 tons per year of PM₁₀ emissions, shall be exempt from performance testing unless the CONTROL OFFICER determines performance testing is warranted to demonstrate compliance with these Regulations.

34.2.2 Any portable facility, including VARIOUS LOCATION ACTIVITIES or VARIOUS LOCATIONS PERMITS (VLP) that is not subject to an applicable New Source Performance Standards, in accordance with 40 C.F.R. Part 60 and does not utilize a baghouse or fabric filter, an electrostatic precipitator, or a wet scrubber, excluding wet spray bars, as a control device to limit emissions, and has a total PTE less than 15 tons per year of PM₁₀ emissions shall be exempt from performance testing for those EMISSION UNITS unless the CONTROL OFFICER determines performance testing is warranted to demonstrate compliance with these Regulations.

For the purpose of this Section, a portable facility means any temporary VARIOUS LOCATION ACTIVITY OR VARIOUS LOCATIONS PERMIT where the equipment is not part of a fixed stationary aggregate process that is mounted on a chassis or skids and may be moved by the application of a lifting or pulling force. In addition, there shall be no cable, chain, turnbuckle, bolt, or other means (except electrical connections) by which any piece of equipment is attached or clamped to any anchor, slab, or structure, including bedrock that must be removed prior to the application of a lifting or pulling force for the purpose of transporting the unit.

34.3 Performance Standard:

34.3.1 No Owner and/or Operator shall cause to be discharged into the atmosphere any of the following:

34.3.1.1 Any FUGITIVE EMISSIONS from grinding mills, screening equipment, conveyors, conveyor transfer points, bagging equipment, storage bin, storage piles, stacker, enclosed truck, or rail car loading station that exhibit greater than 10 percent OPACITY for a period aggregating more than 3 minutes in any 60-minute period;

34.3.1.2 Any FUGITIVE DUST from any crusher that exhibits greater than 15 percent OPACITY for a period aggregating more than 3 minutes in any 60-minute period; or

34.3.1.3 Emissions from a stack or exhaust from a control device or BUILDING VENT that exhibits greater than 7 percent OPACITY for a period aggregating more than 3 minutes in any 60-minute period.

34.4 Compliance Demonstration:

34.4.1 To demonstrate compliance with these regulations an Owner and/or Operator of an affected Emission Unit shall conduct the following tests:

34.4.1.1 A performance test as specified in Subsection 34.5; and

34.4.1.2 An annual EPA Method 9 OPACITY performance test as specified in Subsection 34.5 and weekly moisture testing as specified in Subsection 34.6, or

34.4.1.3 Minimum of twice daily moisture testing as specified in Subsection 34.6, unless an Alternative Compliance Demonstration Plan has been approved by the CONTROL OFFICER.

34.4.2 The CONTROL OFFICER may require the determination of moisture content of aggregate materials at any processing point or storage pile, and/or the

OPACITY of EMISSIONS from an EMISSION UNIT within a new or modified Stationary Source at any time after initial startup, which may include performance test exempt sources.

34.4.3 All STATIONARY SOURCES, including performance test-exempt sources, shall comply with all compliance demonstration requirements contained in their permit including minimum moisture requirement and OPACITY compliance demonstration conditions.

34.5 Performance Tests:

34.5.1 To demonstrate compliance with the OPACITY requirements an Owner and/or Operator shall use EPA reference Method 9 found in 40 C.F.R. Part 60, Appendix A, (averaging time shall be 3 minutes rather than 6 minutes). Each Method 9 test shall be conducted for 60 consecutive minutes.

34.5.2 All performance tests shall be conducted in accordance with established procedures and protocols as contained in Section 14.

34.5.3 The Owner and/or Operator of a STATIONARY SOURCE that has a total POTENTIAL TO EMIT of less than 15 tons per year of PM₁₀ emissions and the EMISSION UNIT is subject to 40 C.F.R. Part 60, shall perform an initial performance test.

34.5.4 The Owner and/or Operator of a STATIONARY SOURCE that has a total POTENTIAL TO EMIT of 15 tons per year or greater of PM₁₀ emissions shall perform an initial performance test. An affected EMISSION UNIT subject to 40 C.F.R. Part 60, shall be performance tested after initial startup and retested a minimum of once during each subsequent 5-year time period.

34.5.5 The Owner and/or Operator shall conduct the required initial performance test within 60 days after achieving the maximum production rate at which the affected EMISSION UNIT will be operated, but not later than 180 days after initial startup of such EMISSION UNIT, and furnish the CONTROL OFFICER a written report of the results of the performance test within 60 days after conducting such test.

34.5.6 An EMISSION UNIT required to conduct a performance test during every 5-year period, as specified in Subsection 34.5.4, shall conduct such retest no later than 5 years from the date of the initial performance test or subsequent retest.

34.6 Moisture Testing:

34.6.1 An Owner and/or Operator shall comply with the moisture limitations contained in any Authority to Construct/Operating Permit issued by

conducting moisture tests on affected EMISSION UNITS in accordance with the following requirements:

- 34.6.1.1 If minimum of twice daily moisture sampling is required, samples shall be taken within 1 hour of start up and again at 3:00 P.M. or within 1 hour prior to daily shut-down, but no less frequently than once every 8-hour period.
- 34.6.1.2 If weekly moisture sampling is required, such sampling shall be conducted on any active day within 1 hour after startup.
- 34.6.2 Moisture testing shall be conducted on all affected active processes. Unless prior approval from the CONTROL OFFICER is granted, moisture testing shall be conducted at the following emission points:
 - (a) Within 10 feet from the point where crushed aggregate material is placed on the discharge belt conveyor from the crusher;
 - (b) Within 10 feet from the point where screened aggregate material is placed on the conveyor; and
 - (c) From each stacker point.
- 34.6.3 Active wet processes, which contain greater than 10 percent moisture in material less than 0.25 inches in diameter, must be sampled at the point in the process where the moisture content has the potential to be lowest.
- 34.6.4 Moisture testing is not required on a crusher and/or screen plant equipped with a baghouse or fabric filter, electrostatic precipitator, or wet scrubber, excluding wet spray bars, for control of particulate matter.
- 34.6.5 Moisture testing shall include all aggregate material less than 0.25 inch in diameter.
- 34.6.6 Moisture testing shall be conducted in accordance with the requirements of American Society for Testing and Materials C566-97, "Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying," with the exception that smaller sample portions may be used.
- 34.6.7 An Owner and/or Operator may request in a permit application, with adequate explanation, an alternative for conducting required moisture testing on active processes. In this request, the Owner and/or Operator must demonstrate that the proposed Alternative Compliance Demonstration Plan will be equivalent in determining compliance with the moisture content requirements. Prior approval from the CONTROL OFFICER must be received before implementation of any Alternative Compliance Demonstration Plan.

34.7 Record Keeping:

- 34.7.1 The Owner and/or Operator shall maintain a written log recording date, time, location of each moisture sampling point, and results of the moisture testing.
- 34.7.2 The Owner and/or Operator shall maintain a written log recording the date, time, and location of each Method 9 OPACITY test result.
- 34.7.3 The written logs shall be maintained on site for a minimum of 5 years.

34.8 Reporting and Notifications:

- 34.8.1 The Owner and/or Operator of an affected EMISSION UNIT shall provide the CONTROL OFFICER a written summary of the moisture testing results and any Method 9 OPACITY readings as specified in the operating permit for the STATIONARY SOURCE. At a minimum, the Owner and/or Operator must follow any specific operating permit requirements and provide this information annually for each previous calendar year. The results shall be submitted to the CONTROL OFFICER no later than March 31 of the following year.
- 34.8.2 Moisture tests that do not meet the minimum moisture content shall be reported and include date, time, location of the moisture sampling taken, and results of the moisture testing.
- 34.8.3 Upon written notice, CONTROL OFFICER may require more frequent reporting.

History: Initial Adoption:

Amended: April 23, 1987; April 24, 2001; December 16, 2003; July 1, 2004.