

1 ~~[TITLE 20 — ENVIRONMENTAL PROTECTION~~
2 ~~CHAPTER 2 — AIR QUALITY (STATEWIDE)~~
3 ~~PART 20 — LIME MANUFACTURING PLANTS — PARTICULATE MATTER~~

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5 ~~20.2.20.1 — ISSUING AGENCY:~~ Environmental Improvement Board.
6 ~~[11/30/95; 20.2.20.1 NMAC — Rn, 20 NMAC 2.20.100 10/31/02]~~

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8 ~~20.2.20.2 — SCOPE:~~ All geographic areas within the jurisdiction of the Environmental Improvement Board.
9 ~~[11/30/95; 20.2.20.2 NMAC — Rn, 20 NMAC 2.20.101 10/31/02]~~

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11 ~~20.2.20.3 — STATUTORY AUTHORITY:~~ Environmental Improvement Act, NMSA 1978, section 74-1-
12 8(A)(4) and (7), and Air Quality Control Act, NMSA 1978, sections 74-2-1 et seq., including specifically, section
13 74-2-5(A), (B) and (C).
14 ~~[11/30/95; 20.2.20.3 NMAC — Rn, 20 NMAC 2.20.102 10/31/02]~~

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16 ~~20.2.20.4 — DURATION:~~ Permanent.
17 ~~[11/30/95; 20.2.20.4 NMAC — Rn, 20 NMAC 2.20.103 10/31/02]~~

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19 ~~20.2.20.5 — EFFECTIVE DATE:~~ November 30, 1995.
20 ~~[11/30/95; 20.2.20.5 NMAC — Rn, 20 NMAC 2.20.104 10/31/02]~~
21 ~~[The latest effective date of any section in this Part is 10/31/02.]~~

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23 ~~20.2.20.6 — OBJECTIVE:~~ The objective of this Part is to establish particulate matter emission standards for
24 lime manufacturing plants.
25 ~~[11/30/95; 20.2.20.6 NMAC — Rn, 20 NMAC 2.20.105 10/31/02]~~

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27 ~~20.2.20.7 — DEFINITIONS:~~ In addition to the terms defined in 20.2.2 NMAC (Definitions), as used in this
28 Part:

29 ~~_____ A. "Commenced" means that an owner or operator has undertaken a continuous program of~~
30 ~~construction or that an owner or operator has entered into a binding contractual obligation to undertake and complete~~
31 ~~within a reasonable time a continuous program of construction.~~

32 ~~_____ B. "Existing lime manufacturing plant" means any plant that produces lime by calcination that~~
33 ~~was constructed and operational, or at which construction was commenced, prior to May 3, 1977, and includes all~~
34 ~~crushers, conveyors, screens and other size classification units, hoppers, chutes and kilns.~~

35 ~~_____ C. "Lime" means the product of the calcination process and includes, but is not limited to, calcitic~~
36 ~~lime, dolomitic lime, and dead burned dolomite.~~

37 ~~_____ D. "Lime hydrator" means a unit used to produce hydrated lime.~~

38 ~~_____ E. "Modification" means a physical change or change in the manner of operation which increases~~
39 ~~the amount of any air contaminant emitted by the lime manufacturing plant or which results in the emission of any~~
40 ~~air contaminant not previously emitted.~~

41 ~~_____ F. "New lime manufacturing plant" means any plant that produces lime by calcination at which~~
42 ~~construction or modification was commenced on or after May 3, 1977, and includes all crushers, conveyors, screens~~
43 ~~and other size classification units, hoppers, chutes and kilns. New lime manufacturing plant also includes any plant~~
44 ~~which produces hydrated lime, the construction or modification of which was commenced on or after May 3, 1977.~~

45 ~~_____ G. "Opacity" means the degree to which emissions reduce the transmission of light and obscure the~~
46 ~~view of an object in the background.~~

47 ~~_____ H. "Part" means an air quality control regulation under Title 20, Chapter 2 of the New Mexico~~
48 ~~Administrative Code, unless otherwise noted; as adopted or amended by the Board.~~

49 ~~_____ I. "Rotary lime kiln" means a unit with an inclined rotating drum which is used to produce lime~~
50 ~~from limestone by calcination.~~

51 ~~[11/30/95; 20.2.20.7 NMAC — Rn, 20 NMAC 2.20.107 10/31/02]~~

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53 ~~20.2.20.8 — AMENDMENT AND SUPERSESION OF PRIOR REGULATIONS:~~ This Part amends and
54 ~~supersedes Air Quality Control Regulation ("AQCR") 509 — Lime Manufacturing Plants — Particulate Matter last~~
55 ~~filed November 21, 1978.~~

56 ~~_____ A. All references to AQCR 509 in any other rule shall be construed as a reference to this Part.~~

1 ~~_____ B. _____ The amendment and supersession of AQCR 509 shall not affect any administrative or judicial~~
2 ~~enforcement action pending on the effective date of such amendment nor the validity of any permit issued pursuant~~
3 ~~to AQCR 509.~~

4 ~~[11/30/95; 20.2.20.8 NMAC Rn, 20 NMAC 2.20.106 10/31/02]~~

6 ~~**20.2.20.9** _____ **DOCUMENTS:** Documents cited in this Part may be viewed at the New Mexico Environment~~
7 ~~Department, Air Quality Bureau, Runnels Building, 1190 Saint Francis Drive, Santa Fe, NM 87505 [2048 Galisteo~~
8 ~~St., Santa Fe, NM 87505].~~

9 ~~[11/30/95; 20.2.20.9 NMAC Rn, 20 NMAC 2.20.108 10/31/02]~~

11 ~~**20.2.20.10 to 20.2.20.108** [RESERVED]~~

13 ~~**20.2.20.109** _____ **EMISSIONS LIMITATIONS – NEW PLANT:** The owner or operator of a new lime~~
14 ~~manufacturing plant shall not permit, cause, suffer or allow emissions of particulate matter to the atmosphere to:~~

15 ~~_____ A. _____ Exceed 0.30 pounds per ton of limestone feed, or exhibit ten percent opacity or greater, from any~~
16 ~~lime kiln; or~~

17 ~~_____ B. _____ Exceed 0.15 pounds per ton of lime feed to any lime hydrator.~~

18 ~~[11/30/95; 20.2.20.109 NMAC Rn, 20 NMAC 2.20.109 10/31/02]~~

20 ~~**20.2.20.110** _____ **EMISSIONS LIMITATIONS – EXISTING PLANT:** The owner or operator of an existing lime~~
21 ~~manufacturing plant shall not permit, cause, suffer or allow emissions of particulate matter to the atmosphere to~~
22 ~~exceed 10 pounds per hour from any rotary lime kiln.~~

23 ~~[11/30/95; 20.2.20.110 NMAC Rn, 20 NMAC 2.20.110 10/31/02]~~

25 ~~**20.2.20.111** _____ **EMISSION CONTROLS:** Any person owning or operating a lime manufacturing plant shall~~
26 ~~equip and maintain all crushers, screens or other size classification units, hoppers and chutes with:~~

27 ~~_____ A. _____ Systems of enclosures, dust suppressant sprays and other measures as necessary to prevent the~~
28 ~~release of particulate matter emissions to the atmosphere; or~~

29 ~~_____ B. _____ Equip such process units with hoods, fans, and fabric filters, wet scrubbers or other collection and~~
30 ~~control systems approved by the Department as at least as effective to reduce particulate matter emissions to the~~
31 ~~atmosphere.~~

32 ~~[11/30/95; 20.2.20.111 NMAC Rn, 20 NMAC 2.20.111 10/31/02]~~

34 ~~**20.2.20.112** _____ **STACK REQUIREMENTS:** The owner or operator of lime manufacturing plants shall not~~
35 ~~permit, cause, suffer or allow emissions of particulate matter to the atmosphere from a lime kiln or lime hydrator~~
36 ~~except through stacks equipped with sampling ports and platforms in such number, location and size to allow~~
37 ~~accurate sampling to be performed.~~

38 ~~[11/30/95; 20.2.20.112 NMAC Rn, 20 NMAC 2.20.112 10/31/02]~~

40 ~~**20.2.20.113** _____ **STACK TESTING:** Compliance with 20.2.20.109 NMAC and 20.2.20.110 NMAC shall be~~
41 ~~determined consistent with the method for manual stack testing set forth by the US EPA at 40 CFR, Part 60,~~
42 ~~Appendix A, Methods 1 through 5, or any other method receiving prior approval from the Department. Upon~~
43 ~~request of the Department, the owner or operator of lime manufacturing plants shall perform stack testing according~~
44 ~~to the method stated above and report the results of such tests in the format and time period specified by the~~
45 ~~Department. The owner or operator shall inform the Department of the dates and times of such testing so that the~~
46 ~~Department may have opportunity to have an observer present during testing.~~

47 ~~[11/30/95; 20.2.20.113 NMAC Rn, 20 NMAC 2.20.113 10/31/02]~~

49 ~~**20.2.20.114** _____ **CONTINUOUS EMISSION MONITORS – NEW PLANTS:** The owner or operator of a new~~
50 ~~lime manufacturing plant shall not permit, cause, suffer or allow operation of the new lime manufacturing plant~~
51 ~~unless the plant is equipped with continuous monitoring systems as specified in 40 CFR, Part 60, Subpart HH,~~
52 ~~Section 60.343.~~

53 ~~[11/30/95; 20.2.20.114 NMAC Rn, 20 NMAC 2.20.114 10/31/02]~~

55 ~~**HISTORY OF 20.2.20 NMAC:**~~

1 ~~**Pre-NMAC History:** The material in this part was derived from that previously filed with the Commission of~~
2 ~~Public Records State Records Center and Archives.~~
3 ~~ACQR 509, Air Quality Control Regulation 509—Lime Manufacturing Plants—Particulate Matter, 11/21/78.~~
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5 ~~**History of Repealed Material:** [RESERVED]~~
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7 ~~**Other History:**~~

8 ~~ACQR 509, Air Quality Control Regulation 509—Lime Manufacturing Plants—Particulate Matter, 11/21/78, was~~
9 ~~**renumbered** into first version of the New Mexico Administrative Code as 20 NMAC 2.20, Lime Manufacturing~~
10 ~~Plants—Particulate Matter, filed 10/30/95.~~

11 ~~20 NMAC 2.20, Lime Manufacturing Plants—Particulate Matter, filed 10/30/95, was **renumbered, reformatted**~~
12 ~~**and replaced** by 20.2.20 NMAC, Lime Manufacturing Plants—Particulate Matter, effective 10/31/02.]~~
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