

1 **TITLE 20 ENVIRONMENTAL PROTECTION**
2 **CHAPTER 11 ALBUQUERQUE - BERNALILLO COUNTY AIR QUALITY CONTROL BOARD**
3 **PART 47 EMISSIONS INVENTORY REQUIREMENTS**
4

5 **20.11.47.1 ISSUING AGENCY:** Albuquerque-Bernalillo County Air Quality Control Board, c/o
6 Environmental Health Department, P.O. Box 1293, Albuquerque, New Mexico 87103. Telephone: (505) 768-2601.
7 [20.11.47.1 NMAC - N, 1/1/08]
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9 **20.11.47.2 SCOPE:** 20.11.47 NMAC applies to each person who owns or operates a source or who intends
10 to construct or modify a source within Bernalillo county, but does not apply to sources in Bernalillo county that are
11 located on Indian lands over which the Albuquerque-Bernalillo county air quality control board lacks jurisdiction.
12 [20.11.47.2 NMAC - N, 1/1/08]
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14 **20.11.47.3 STATUTORY AUTHORITY:** 20.11.47 NMAC is adopted pursuant to the authority provided in
15 the New Mexico Air Quality Control Act, NMSA 1978 Sections 74-2-4, 74-2-5.C; the Joint Air Quality Control
16 Board Ordinance, Bernalillo County Ordinance 94-5 Section 4; and the Joint Air Quality Control Board Ordinance,
17 Revised Ordinances of Albuquerque ROA 1994 Section 9-5-1-4.
18 [20.11.47.3 NMAC - N, 1/1/08]
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20 **20.11.47.4 DURATION:** Permanent.
21 [20.11.47.4 NMAC - N, 1/1/08]
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23 **20.11.47.5 EFFECTIVE DATE:** May 1, 2008 except where a later date is cited at the end of a section.
24 [20.11.47.5 NMAC - N, 1/1/08]
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26 **20.11.47.6 OBJECTIVE:** The objective of 20.11.47 NMAC is to establish requirements both for submitting
27 inventories of air contaminants to ensure that the regulations and standards under the Air Quality Control Act and
28 the Federal Act will not be violated, and to require submission of data to quantify greenhouse gas emissions in
29 Bernalillo county.
30 [20.11.47.6 NMAC - N, 1/1/08]
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32 **20.11.47.7 DEFINITIONS:** In addition to the definitions in 20.11.47 NMAC, the definitions in 20.11.1
33 NMAC apply unless there is a conflict between definitions, in which case the definition in 20.11.47 NMAC shall
34 govern.

35 **A. "Actual Emissions"** means the quantified emissions of a regulated air contaminant from a
36 stationary source for every 12-month period. Valid continuous emission monitoring data or source test data shall be
37 preferentially used to determine actual emissions. In the absence of valid continuous emissions monitoring data or
38 source test data, the basis for determining actual emissions shall be quantified using actual operating hours,
39 production rates, throughputs of process materials, throughputs of materials stored, usage of materials, data provided
40 in manufacturer's product specifications, material volatile organic compound (VOC) content reports, laboratory
41 analyses, or any other technically acceptable data as approved by the Department. All calculations of actual
42 emissions shall use USEPA or department approved methods including emission factors and assumptions.

43 **B. "Air pollution control equipment"** means any device, equipment, process or combination
44 thereof the operation of which would limit, capture, reduce, confine, or otherwise control air contaminants or
45 convert for the purposes of control any air contaminant to another form, another chemical or another physical state.

46 **C. "California climate action registry"** means the voluntary registry for greenhouse gas emissions
47 established pursuant to California Health and Safety Code D. 26, Pt. 4, Ch.. 6, as amended.

48 **D. "Carbon dioxide"** means the chemical compound containing one atom of carbon and two atoms
49 of oxygen.

50 **E. "Commencement" or "commence"** means that an owner or operator has undertaken a
51 continuous program of construction or modification.

52 **F "Construction"** means fabrication, erection, installation or relocation of a stationary source,
53 including temporary installations and portable stationary sources.

54 **G. "Emission report" or "emission inventory"** means a listing, by source, of the amount of air
55 contaminants and greenhouse gas emissions discharged into the atmosphere of a community.

56 **H. "Fuel carbon content"** means the mass of carbon per unit of heat content of a fuel.

- 1 **I. "Fugitive emissions"** are those emissions that could not reasonably pass through a stack,
2 chimney, vent, or other functionally-equivalent opening.
- 3 **J. "Greenhouse gas"** means any of the following: carbon dioxide, methane, nitrous oxide,
4 hydrofluorocarbons, perfluorocarbons or sulfur hexafluoride.
- 5 **K. "Greenhouse gas emissions reporting year"** means the calendar year in which greenhouse gas
6 emissions required to be reported under 20.11.47 NMAC occurred.
- 7 **L. "Hydrofluorocarbons"** means gaseous chemical compounds containing only hydrogen, carbon,
8 and fluorine atoms.
- 9 **M. "Methane"** means the chemical compound containing one atom of carbon and four atoms of
10 hydrogen.
- 11 **N. "Modification"** means any physical change in, or change in the method of operation of, a
12 stationary source that results in an increase in the potential emission rate of any regulated air contaminant emitted by
13 the source or that results in the emission of any regulated air contaminant not previously emitted, but does not
14 include:
- 15 (1) a change in ownership of the source;
- 16 (2) routine maintenance, repair or replacement;
- 17 (3) installation of air pollution control equipment, and all related process equipment and materials
18 necessary for its operation, undertaken for the purpose of complying with regulations adopted by the board or
19 pursuant to the federal Clean Air Act; or
- 20 (4) unless previously limited by enforceable permit conditions:
- 21 (a) an increase in the production rate, if the increase does not exceed the operating design
22 capacity of the source;
- 23 (b) an increase in the hours of operation; or
- 24 (c) use of an alternative fuel or raw material if, prior to January 6, 1975, the source was capable
25 of accommodating such fuel or raw material, or if use of an alternate fuel or raw material is caused by a natural gas
26 curtailment or emergency allocation or any other lack of supply of natural gas.
- 27 **O. "Nitrous oxide"** means the chemical compound containing two atoms of nitrogen and one atom
28 of oxygen.
- 29 **P. "Nonattainment area"** means, for any air pollutant, an area that has been designated as a
30 nonattainment area under Section 107 of the federal Act.
- 31 **Q. "Operator"** means the person or persons responsible for the overall operation of a facility.
- 32 **R. "Owner"** means the person or persons who own a facility or part of a facility.
- 33 **S. "Perfluorocarbons"** means gaseous chemical compounds containing only carbon and fluorine
34 atoms.
- 35 **T. "Portable stationary source"** means a source that can be relocated to another operating site with
36 limited dismantling and reassembly, including as an example moveable sand and gravel processing operations and
37 asphalt plants.
- 38 **U. "Potential emission rate"** means the emission rate of a source at its maximum capacity to emit a
39 regulated air contaminant under its physical and operational design, provided a physical or operational limitation on
40 the capacity of the source to emit a regulated air contaminant, including air pollution control equipment and
41 restrictions on hours of operation or on the type or amount of material combusted, stored or processed, shall be
42 treated as part of its physical and operational design only if the limitation or the effect it would have on emissions is
43 enforceable by the department pursuant to the Air Quality Control Act or the federal Act.
- 44 **V. "Potential to emit"** means the maximum capacity of a stationary source to emit an air
45 contaminant under its physical and operational design, except that a physical or operational limitation on the
46 capacity of a source to emit an air contaminant, including air pollution control equipment and restrictions on hours
47 of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its
48 design if the limitation is federally enforceable; however, the potential to emit for nitrogen dioxide shall be based on
49 total oxides of nitrogen.
- 50 **W. "Regulated air contaminant"** means an air contaminant, the emission or ambient concentration
51 of which is regulated pursuant to the New Mexico Air Quality Control Act or the federal Act.
- 52 **X. "Shutdown"** means the cessation of operation of air pollution control equipment, process
53 equipment or process for any purpose, except routine phasing out of batch process units.
- 54 **Y. "Stationary source" or "source"** means a structure, building, equipment, facility, installation
55 (including temporary installations), operation or portable stationary source that emits or may emit an air

1 contaminant; a research facility may group its sources for the purpose of 20.11.47 NMAC with the prior written
2 approval of the director of the department.

3 **Z. “Sulfur hexafluoride”** means the chemical compound containing one atom of sulfur and six
4 atoms of fluorine.

5 **AA. “Sulfur oxides”** means compounds containing sulfur and oxygen, including sulfur dioxide (SO₂).

6 **BB. “The climate registry”** means the nonprofit corporation entitled “the climate registry” that is
7 incorporated pursuant to the District of Columbia nonprofit corporation act for the purpose of creating and operating
8 a multi-state greenhouse gas emissions registry.

9 **CC. “WEB source”** means a stationary source that meets the applicability requirements of 20.11.46.11
10 NMAC.

11 **DD. “Western backstop sulfur dioxide trading program”** means 20.11.46 NMAC, if triggered as a
12 backstop in accordance with the provisions of the Section 309 Regional Haze State Implementation Plan Element
13 for Albuquerque-Bernalillo County, New Mexico, to reduce regional sulfur dioxide emissions.
14 [20.11.47.7 NMAC – N, 1/1/08]

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16 **20.11.47.8 VARIANCES:** No person can obtain a variance from the requirements of 20.11.47 NMAC.
17 [20.11.47.8 NMAC – N, 1/1/08]

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19 **20.11.47.9 SEVERABILITY:** If for any reason any section, subsection, sentence, phrase, clause or wording
20 of 20.11.47 NMAC is held to be unconstitutional or otherwise invalid by any court or the United States
21 environmental protection agency, the decision shall not affect the validity of remaining portions of 20.11.47 NMAC.
22 [20.11.47.9 NMAC – N, 1/1/08]

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24 **20.11.47.10 CONSTRUCTION:** 20.11.47 NMAC shall be liberally construed to carry out its purpose.
25 [20.11.47.10 NMAC – N, 1/1/08]

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27 **20.11.47.11 SAVINGS CLAUSE:** The filing of 20.11.47 NMAC, Emissions Inventory Requirements, and
28 the filing of any amendment to 20.11.47 NMAC with the state records center and archives shall not affect any action
29 pending for violation of a city or county ordinance, a board regulation, or a permit, and shall not affect a petition
30 filed pursuant to 20.11.47 NMAC. Prosecution for violation of a prior statute, ordinance, part or permit shall be
31 governed and prosecuted under the statute, ordinance, part or permit wording in effect at the time the violation was
32 committed.
33 [20.11.47.11 NMAC – N, 1/1/08]

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35 **20.11.47.12 COMPLIANCE WITH OTHER REGULATIONS:** Compliance with 20.11.47 NMAC does
36 not relieve a person from responsibility for complying with any other applicable federal, state, or local regulations.
37 [20.11.47.12 NMAC - N, 1/1/08]

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39 **20.11.47.13 DOCUMENTS:** Documents incorporated and cited in 20.11.47 NMAC may be viewed at the
40 Albuquerque environmental health department, Suite 3023, One Civic Plaza, 400 Marquette NW, Albuquerque,
41 NM.
42 [20.11.47.13 NMAC - N, 1/1/08]

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44 **20.11.47.14 to 20.11.47.105 [RESERVED]**

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46 **20.11.47.106 [RESERVED]**

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48 **20.11.47.107 to 20.11.47.199 [RESERVED]**

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50 **20.11.47.200 [RESERVED]**

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52 **20.11.47.201 to 20.11.47.299 [RESERVED]**

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55 **20.11.47.300 EMISSION INVENTORY REQUIREMENTS:**

1 **A. Applicability.** 20.11.47.300 NMAC applies to the owner or operator of every stationary source
2 located within Bernalillo county that:

3 (1) has an active permit issued pursuant to 20.11.41 NMAC, Authority to Construct, or 20.11.42
4 NMAC, Operating Permits;

5 (2) is required to file a source registration pursuant to 20.11.40 NMAC, Source Registration; or

6 (3) emits a greenhouse gas as defined in 20.11.47.7.J NMAC.

7 **B. Reporting requirements.**

8 (1) A source that meets requirements under Subsection A of 20.11.47.300 NMAC shall submit an
9 emissions report annually. A source is not required to submit an emissions report more frequently than annually.

10 (2) The department will provide a complete copy of an owner or operator's submitted emissions
11 report when requested in writing by the owner or operator.

12 (3) The owner or operator shall submit to the department a complete, correct and current emissions
13 report in the format specified by the department; the report shall state accurately the emissions of all air pollutants
14 included in the permit requested for any specified calendar year.

15 (4) Except as provided in Paragraph (5) of Subsection B of 20.11.47.300 NMAC, if the owner or
16 operator is required to submit an emission report to the department, the owner or operator shall submit the report by
17 March 15 for the previous calendar year or any other calendar year.

18 (5) Sources required by a permit to submit an annual emission report on a specific date shall submit
19 the report on the specified date.

20 **C. Content of emissions reports.** Emissions report contents for reports required by Subsection B of
21 20.11.47.300 NMAC shall include:

22 (1) the air quality stationary source permit number or source registration number;

23 (2) the name, address, if any, and physical location of the stationary source;

24 (3) the name and telephone number of the person to contact regarding the emissions report;

25 (4) a certification signed by the owner, or operator, or a responsible official as defined in 20.11.42
26 NMAC attesting that the statements and information contained in the emissions report are true and accurate to the
27 best knowledge and belief of the certifying official, and including the full name, title, signature, date of signature,
28 and telephone number of the certifying official. For sources subject to 20.11.42 NMAC, the certification shall be
29 made as required by 20.11.42 NMAC;

30 (5) for each emission point, in the format required by the department:

31 (a) stack and exhaust gas parameters and location information;

32 (b) type of control equipment and estimated control efficiency;

33 (c) schedule of operation;

34 (d) annual process or fuel combustion rates;

35 (e) fuel heat, sulfur, and ash content;

36 (f) estimated actual emissions in pounds per year of total suspended particulate, PM10, PM2.5,
37 ammonia, sulfur oxides, nitrogen oxides, carbon monoxide, volatile organic compounds, and lead, including fugitive
38 emissions and emissions occurring during maintenance, start-ups, shutdowns, upsets, and downtime;

39 (g) speciated hazardous air pollutants, if requested by the department; and

40 (h) a description of the methods utilized to make the estimates, including calculations;

41 (6) for smelters, an annual report of sulfur input stated in tons per year; and

42 (7) all information required by 40 CFR Part 51, Subpart A, Emissions Inventory Reporting
43 Requirements, as amended.

44 **D. Additional content for emissions reports from sources in ozone nonattainment areas.** In
45 addition to the contents required by Subsection C of 20.11.47.300 NMAC, emissions reports from sources located in
46 ozone nonattainment areas that emit nitrogen oxides and volatile organic compounds shall also include the following
47 information:

48 (1) typical daily process rate during the peak ozone season, where the peak ozone season is specified
49 by the department;

50 (2) estimated actual emissions of nitrogen oxides and volatile organic compounds in pounds per day
51 for a typical day during the peak ozone season for:

52 (a) each emissions point; and

53 (b) for each process and fuel type contributing to emissions from each point.

54 **E. Waiver of reporting requirements for insignificant emissions.** The department may waive the
55 requirements of Paragraph (5) of Subsection C of 20.11.47.300 NMAC for emissions that the department determines
56 to be insignificant pursuant to 20.11.42 NMAC, except the following shall not be waived:

1 (1) for sources in nonattainment areas, reporting of emissions of pollutants for which the area is in
2 nonattainment; and

3 (2) emissions reporting required by the federal Act.

4 **F. Emission tracking requirements for sulfur dioxide emission inventories.** In addition to
5 complying with the requirements of Subsections A through E of 20.11.47. 300 NMAC, an owner may be subject to
6 20.11.46 NMAC, Sulfur Dioxide Emissions Inventory Requirements; Western Backstop Sulfur Dioxide Trading
7 Program.

8 **G. Greenhouse Gas Reporting Requirements.**

9 (1) Every source that is required to submit a report of greenhouse gas emissions pursuant to 20.11.48
10 NMAC, Greenhouse gas emissions reporting, shall keep all records in support of the report for a minimum of five
11 years and shall:

12 (a) submit the report by the deadline and as required by the greenhouse gas emissions reporting
13 procedures established by the department, but not more often than annually; or

14 (b) provide the department with access to the requested information for the greenhouse gas
15 emissions reporting year registered in either the climate registry or the California climate action registry.

16 (2) When the department determines the deadlines for submitting greenhouse gas emissions reports
17 and reporting procedures, the department shall provide an opportunity for public comment, and shall consider:

18 (a) public comments regarding the schedule of the reports and greenhouse gas emissions
19 reporting procedures;

20 (b) emissions quantification standards and best practices approved or recommended by federal
21 and state agencies, by greenhouse gas emissions registries, and by non-governmental bodies having expertise in
22 greenhouse gas emissions quantification;

23 (c) whether, considering the amount and chemical composition of the emissions, greenhouse
24 gas emissions from a particular source or source type are expected to be insignificant relative to emissions from
25 other sources or source types; and

26 (d) whether, considering the amount and chemical composition of the emissions, emissions of a
27 particular greenhouse gas from a source or source type are expected to be insignificant relative to the total
28 greenhouse gas emissions from that source or source type.

29 (3) Greenhouse gas emissions reports shall contain the information required by 20.11.48.202 NMAC.

30 **H. Content of greenhouse gas emissions reports.** If a greenhouse gas emissions report is required
31 by Subparagraph (a) of Paragraph (1) of Subsection G of 20.11.47.300 NMAC, the report shall contain the following
32 information:

33 (1) the air quality stationary source permit number or source registration number;

34 (2) the name, address, if any, and physical location of the stationary source;

35 (3) the name and telephone number of the person to contact regarding the greenhouse gas emissions
36 report;

37 (4) a certification signed by the owner or operator or responsible official as defined by 20.11.42 NMAC
38 attesting that the statements and information contained in the emissions report are true and accurate to the best
39 knowledge and belief of the certifying official; for sources subject to 20.11.42 NMAC, the certification shall be
40 made as required by 20.11.42 NMAC; and

41 (5) for each emission point, as required by the department under the greenhouse gas emissions
42 reporting procedures, the estimated actual emissions of greenhouse gases, including fugitive emissions and
43 emissions occurring during maintenance, start-ups, shutdowns, upsets and downtime.

44 [20.11.47.300 NMAC - N, 1/1/08]

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47 **HISTORY OF 20.11.47 NMAC:**

48 **Pre-NMAC History:**

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50 **History of Repealed Material:** [RESERVED]

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52 **Other History:**