AQP Exhibit 1

TITLE 20 ENVIRONMENTAL PROTECTION
CHAPTER 11 ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD
PART 61 PREVENTION OF SIGNIFICANT DETERIORATION

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20.11.61.1 ISSUING AGENCY: Albuquerque - Bernalillo County Air Quality Control Board. P.O. Box 1293, Albuquerque, NM 87103. Telephone: (505) 768-2601.
[20.11.61.1 NMAC - Rp, 20.11.61.1 NMAC, 1/23/06; A, 8/30/10]

20.11.61.2 SCOPE: Any person constructing any new major stationary source or major modification, as defined in 20.11.61 NMAC, that emits or will emit regulated new source review (NSR) pollutants in an attainment or unclassifiable area shall obtain a permit from the department in accordance with the requirements of 20.11.41 NMAC, *Authority-to-Construct*, and 20.11.61 NMAC prior to the construction or modification.

A. Exempt:

(1) sources within Bernalillo county which are located on Indian lands over which the Albuquerque-Bernalillo county air quality control board lacks jurisdiction;

(2) each regulated NSR pollutant emitted by a source or modification located in a nonattainment area for that pollutant;

(3) after a public hearing, consistent with the public notice and participation provisions of 20.11.41 NMAC, *Authority-to-Construct*, the board may exempt major stationary sources or major modifications if:

(a) the major stationary source would be a nonprofit health or nonprofit educational institution, or a major modification that would occur at such an institution; or

(b) the source or modification is a portable stationary source which has previously received a permit pursuant to 20.11.61 NMAC if:

(i) the owner or operator proposes to relocate the source, and emissions from the source at the new location would be temporary; and

(ii) the emissions from the source would not exceed its allowable emission rate; and

(iii) the emissions from the source would not impact any federal class I area nor any area where an applicable increment is known to be violated; and

(iv) reasonable notice is given to the department prior to the relocation identifying the proposed new location and the probable duration of operation at the new location; such notice shall be given to the department not less than 10 days in advance of the proposed relocation unless a different time duration is previously approved by the department;

(4) sources or modifications that would be major only if quantifiable fugitive emissions are considered in calculating the potential to emit, and the source does not belong to:

(a) any category in Table 1 of 20.11.61.26 NMAC; or

(b) any other stationary source category which as of August 7, 1980, is being regulated under Section 111 or 112 of the act.

B. Variances: The director may grant a variance to any person constructing a major stationary source or major modification from the federal class I maximum allowable increases consistent with the requirements listed in 40 CFR 52.21(p)(5).
[20.11.61.2 NMAC - Rp, 20.11.61.2 NMAC, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.3 STATUTORY AUTHORITY: 20.11.61 NMAC is adopted pursuant to the authority provided in the New Mexico Air Quality Control Act, NMSA 1978 Sections 74-2-4 and 74-2-5; the Joint Air Quality Control Board Ordinance; Bernalillo county Ordinance No. 94-5, Sections 4 and 5; and the Joint Air Quality Control Board Ordinance, Revised Ordinances of Albuquerque 1994 Sections 9-5-1-3 and 9-5-1-4.
[20.11.61.3 NMAC - Rp, 20.11.61.3 NMAC, 1/23/06]

20.11.61.4 DURATION: Permanent.
[20.11.61.4 NMAC - Rp, 20.11.61.4 NMAC, 1/23/06]

20.11.61.5 EFFECTIVE DATE: January 23, 2006, unless a later date is cited at the end of a section.
[20.11.61.5 NMAC - Rp, 20.11.61.5 NMAC, 1/23/06; A, 5/13/13]

20.11.61.6 OBJECTIVE: To minimize air pollutant emissions from new major stationary sources or major modifications in areas classified as in attainment of the national ambient air quality standards (NAAQS) or determined to be unclassifiable pursuant to Section 107(d) of the act.
[20.11.61.6 NMAC - Rp, 20.11.61.6 NMAC, 1/23/06; A, 1/10/11; A, 5/13/13]

20.11.61.7 DEFINITIONS: In addition to the definitions in 20.11.61 NMAC, the definitions in 20.11.1 NMAC, *General Provisions*, shall apply unless there is a conflict between definitions, in which case the definition in 20.11.61 NMAC shall govern.

A. "Act" means the federal Clean Air Act, as amended, 42 U. S. C. Sections 7401 et seq.

B. "Actual emissions" means the actual rate of emissions of a regulated NSR pollutant from an emissions unit, as determined in accordance with Paragraphs (2) through (4) of Subsection B of 20.11.61.7 NMAC.

(1) This definition shall not apply for calculating whether a significant emissions increase has occurred, or for establishing a PAL under 20.11.61.20 NMAC. Instead, Subsections I and VV of 20.11.61.7 NMAC shall apply for those purposes.

(2) In general, actual emissions as of a particular date shall equal the average rate, in tons per year, at which the unit actually emitted the pollutant during a consecutive 24-month period which precedes the particular date and which is representative of normal source operation. The department shall allow the use of a different time period upon a determination that it is more representative of normal source operation. Actual emissions shall be calculated using the unit's actual operating hours, production rates, and types of materials processed, stored, or combusted during the selected time period.

(3) The department may presume that source-specific allowable emissions for the unit are equivalent to the actual emissions of the unit.

(4) For any emissions unit that has not begun normal operations on the particular date, actual emissions shall equal the potential to emit of the unit on that date.

C. "Administrator" means the administrator of the U.S. environmental protection agency (EPA) or an authorized representative.

D. "Adverse impact on visibility" means visibility impairment which interferes with the management, protection, preservation, or enjoyment of the visitor's visual experience of the federal class I area. This determination must be made on a case-by-case basis taking into account the geographic extent, intensity, duration, frequency, and time of the visibility impairments and how these factors correlate with the following:

(1) times of visitor use of the federal class I area; and

(2) the frequency and timing of natural conditions that reduce visibility. This term does not include effects on integral vistas as defined in 40 CFR 51.301 *Definitions*.

E. "Air quality related values (AQRV)" means visibility and other scenic, cultural, physical, biological, ecological, or recreational resources which may be affected by a change in air quality resulting from the emissions of a proposed major stationary source or major modification that interferes with the management, protection, preservation, or enjoyment of the AQRV of a federal class I area.

F. "Allowable emissions" means the emissions rate of a stationary source calculated using the maximum rated capacity of the source (unless the source is subject to federally enforceable limits which restrict the operating rate, or hours of operation, or both) and the most stringent of the following:

(1) the applicable standards as set forth in 40 CFR Parts 60 and 61;

(2) the applicable state implementation plan emissions limitation, including those with a future compliance date; or

(3) the emissions rate specified as a federally enforceable permit condition, including those with a future compliance date.

G. "Associated emission sources" means secondary emissions and all reasonably foreseeable emissions of regulated pollutants from the growth of general residential, commercial, industrial, governmental emission sources and other mobile and non-mobile emission sources which are associated with or support the proposed new major stationary source or major modification. Other mobile and non-mobile emission sources shall include, but not be limited to, new highways and roads or improvements to existing highways and roads to increase capacity, new parking facilities or improvements to existing parking facilities to increase capacity, service enhancements to ground and air public transportation to include the building of new public transportation facilities or improvements to existing public transportation facilities to increase capacity; and the building of new public or private educational facilities or improving existing public or private educational facilities to increase enrollment.

H. "Attainment area" means, for any air pollutant, an area which is shown by monitored data or which is calculated by air quality modeling not to exceed any NAAQS for such pollutant, and is so designated under Section 107(d)(1)(D) or (E) of the act.

I. "Baseline actual emissions" means the rate of emissions, in tons per year, of a regulated NSR pollutant, as determined in accordance with Paragraphs (1)-(4) of Subsection I of 20.11.61.7 NMAC.

(1) For any existing electric utility steam generating unit, baseline actual emissions means the average rate, in tons per year, at which the unit actually emitted the pollutant during any consecutive 24-month period selected by the owner or operator within the five year period immediately preceding when the owner or operator begins actual construction of the project. The department shall allow the use of a different time period upon a determination that it is more representative of normal source operation.

(a) The average rate shall include fugitive emissions to the extent quantifiable, and emissions associated with startups, shutdowns, and malfunctions.

(b) The average rate shall be adjusted downward to exclude any non-compliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive 24-month period.

(c) For a regulated NSR pollutant, when a project involves multiple emissions units, only one consecutive 24-month period must be used to determine the baseline actual emissions for the emissions units being changed. A different consecutive 24-month period can be used for each regulated NSR pollutant.

(d) The average rate shall not be based on any consecutive 24-month period for which there is inadequate information for determining annual emissions, in tons per year, and for adjusting this amount if required by Subparagraph (b) of Paragraph (1) of Subsection I of 20.11.61.7 NMAC.

(2) For an existing emissions unit (other than an electric utility steam generating unit), baseline actual emissions means the average rate, in tons per year, at which the emissions unit actually emitted the pollutant during any consecutive 24-month period selected by the owner or operator within the 10 year period immediately preceding either the date the owner or operator begins actual construction of the project, or the date a complete permit application is received by the department for a permit required either under 20.11.61 NMAC or under a plan approved by the administrator, whichever is earlier, except that the 10 year period shall not include any period earlier than November 15, 1990.

(a) The average rate shall include fugitive emissions to the extent quantifiable, and emissions associated with startups, shutdowns, and malfunctions.

(b) The average rate shall be adjusted downward to exclude any non-compliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive 24-month period.

(c) The average rate shall be adjusted downward to exclude any emissions that would have exceeded an emission limitation with which the major stationary source must currently comply, had such major stationary source been required to comply with such limitations during the consecutive 24-month period. However, if an emission limitation is part of a maximum achievable control technology standard that the administrator proposed or promulgated under 40 CFR Part 63, the baseline actual emissions need only be adjusted if the state has taken credit for such emissions reductions in an attainment demonstration or maintenance plan consistent with the requirements of 40 CFR 51.165(a)(3)(ii)(G).

(d) For a regulated NSR pollutant, when a project involves multiple emissions units, only one consecutive 24-month period must be used to determine the baseline actual emissions for the emissions units being changed. A different consecutive 24-month period can be used for each regulated NSR pollutant.

(e) The average rate shall not be based on any consecutive 24-month period for which there is inadequate information for determining annual emissions, in tons per year, and for adjusting this amount if required by Subparagraphs (b) and (c) of Paragraph (2) of Subsection I of 20.11.61.7 NMAC.

(3) For a new emissions unit, the baseline actual emissions for purposes of determining the emissions increase that will result from the initial construction and operation of such unit shall equal zero; and thereafter, for all other purposes, shall equal the unit's potential to emit.

(4) For a PAL for a stationary source, the baseline actual emissions shall be calculated for existing electric utility steam generating units in accordance with the procedures contained in Paragraph (1) of Subsection I of 20.11.61.7 NMAC, for other existing emissions units in accordance with the procedures contained in Paragraph (2) of Subsection I of 20.11.61.7 NMAC, and for a new emissions unit in accordance with the procedures contained in Paragraph (3) of Subsection I of 20.11.61.7 NMAC.

J. "Baseline area"

(1) Means any intrastate area (and every part thereof) designated as attainment or unclassifiable under Section 107(d)(1)(A)(ii) or (iii) of the act in which the major source or major modification establishing the minor source baseline date would construct or would have an air quality impact for the pollutant for which the baseline date is established, as follows: equal to or greater than one microgram per cubic meter (1 $\mu g/m^3$) (annual average) for SO_2, NO_2 or PM_{10}; or equal to or greater than 0.3 $\mu g/m^3$ (annual average) for $PM_{2.5}$.

(2) Area redesignations under Section 107(d)(1)(A)(ii) or (iii) of the act cannot intersect or be smaller than the area of impact of any major stationary source or major modification which:

(a) establishes a minor source baseline date; or

(b) is subject to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166, and would be constructed in the same state as the state proposing the redesignation.

(3) Any baseline area established originally for total suspended particulates (TSP) increments shall remain in effect and shall apply for purposes of determining the amount of available PM_{10} increments, except that such baseline area shall not remain in effect if the department rescinds the corresponding minor source baseline date in accordance with Paragraph (3) of Subsection MM of 20.11.61.7 NMAC.

K. "Baseline concentration" means that ambient concentration level that exists in the baseline area at the time of the applicable minor source baseline date.

(1) A baseline concentration is determined for each pollutant for which a minor source baseline date is established and shall include:

(a) the actual emissions representative of sources in existence on the applicable minor source baseline date, except as provided in Paragraph (2) of Subsection K of 20.11.61.7 NMAC;

(b) the allowable emissions of major stationary sources that commenced construction before the major source baseline date, but were not in operation by the applicable minor source baseline date.

(2) The following will not be included in the baseline concentration and will affect the applicable maximum allowable increase(s):

(a) actual emissions from any major stationary source on which construction commenced after the major source baseline date; and

(b) actual emissions increases and decreases at any stationary source occurring after the minor source baseline date.

L. "Begin actual construction" means, in general, the initiation of physical onsite construction activities on an emissions unit which are of a permanent nature. Such activities include, but are not limited to, installation of building supports and foundations, laying of underground pipework and construction of permanent storage structures. With respect to a change in method of operation, this term refers to those on-site activities, other than preparatory activities which mark the initiation of the change.

M. "Best available control technology (BACT)" means an emissions limitation (including a visible emission standard) based on the maximum degree of reduction for each regulated NSR pollutant which would be emitted from any proposed major stationary source or major modification, which the director on a case-by-case basis, taking into account energy, environmental, and economic impacts and other costs, determines is achievable for such source or modification through application of production processes or available methods, systems, and techniques, including fuel cleaning or treatment or innovative fuel combustion techniques for control of such pollutant. In no event shall application of best available control technology result in emissions of any pollutant which would exceed the emissions allowed by any applicable standard under 40 CFR Parts 60 and 61. If the director determines that technological or economic limitations on the application of measurement methodology to a particular emissions unit would make the imposition of an emissions standard infeasible, a design, equipment, work practice, operational standard, or combination thereof, may be prescribed instead to satisfy the requirement for the application of best available control technology. Such standard shall, to the degree possible, set forth the emissions reduction achievable by implementation of such design, equipment, work practice, or operation, and shall provide for compliance by means which achieve equivalent results.

N. "Building, structure, facility or installation" means all of the pollutant emitting activities which belong to the same industrial grouping, are located on one or more contiguous or adjacent properties, and are under the control of the same person (or persons under common control) except the activities of any vessel. Pollutant-emitting activities shall be considered as part of the same industrial grouping if they belong to the same "major group" (i.e., which have the same first two-digit code) as described in the standard industrial classification (SIC) manual, 1972, as amended by the 1977 supplement (U. S. government printing office stock numbers 4101-0066 and 003-005-00176-0, respectively) or any superseding SIC manual.

O. "Class I area" means any federal land that is classified or reclassified as "class I" as listed in 20.11.61.25 NMAC.

P. **"Commence"** as applied to construction of a major stationary source or major modification, means that the owner or operator has all necessary preconstruction approvals or permits and either has:

(1) begun, or caused to begin, a continuous program of actual on-site construction of the source, to be completed within a reasonable time; or

(2) entered into binding agreements or contractual obligations, which cannot be cancelled or modified without substantial loss to the owner or operator, to undertake a program of actual construction of the source to be completed within a reasonable time.

Q. **"Complete"** means, in reference to an application for a permit, that the department has determined the application contains all of the information necessary for processing the application. Designating an application complete for purposes of permit processing does not preclude the department from requesting or accepting any additional information.

R. **"Construction"** means any physical change or change in the method of operation (including fabrication, erection, installation, demolition, or modification of an emissions unit) that would result in a change in emissions.

S. **"Continuous emissions monitoring system (CEMS)"** means all of the equipment that may be required to meet the data acquisition and availability requirements of 20.11.61 NMAC, to sample, condition (if applicable), analyze, and provide a record of emissions on a continuous basis.

T. **"Continuous emissions rate monitoring system (CERMS)"** means the total equipment required for the determination and recording of the pollutant mass emissions rate (in terms of mass per unit of time).

U. **"Continuous parameter monitoring system (CPMS)"** means all of the equipment necessary to meet the data acquisition and availability requirements of 20.11.61 NMAC, to monitor process and control device operational parameters (for example, control device secondary voltages and electric currents) and other information (for example, gas flow rate, O_2 or CO_2 concentrations), and to record average operational parameter value(s) on a continuous basis.

V. **"Department"** means the city of Albuquerque, environmental health department or its successor agency.

W. **"Director"** means the director of the city of Albuquerque, environmental health department or the director of its successor agency.

X. **"Electric utility steam generating unit"** means any steam electric generating unit that is constructed for the purpose of supplying more than one-third of its potential electric output capacity and more than 25 megawatts electrical output to any utility power distribution system for sale. Any steam supplied to a steam distribution system for the purpose of providing steam to a steam-electric generator that would produce electrical energy for sale is also considered in determining the electrical energy output capacity of the affected facility.

Y. **"Emissions unit"** means any part of a stationary source that emits or would have the potential to emit any regulated NSR pollutant and includes an electric utility steam generating unit as defined in 20.11.61.7 NMAC. For purposes of 20.11.61 NMAC, there are two types of emissions units as follows:

(1) a new emissions unit is any emissions unit that is (or will be) newly constructed and that has existed for less than two years from the date such emissions unit first operated;

(2) an existing emissions unit is any emissions unit that does not meet the requirements in Paragraph (1) of Subsection Y of 20.11.61.7 NMAC. A replacement unit is an existing unit.

Z. **"Federal land manager"** means, with respect to any lands in the United States, a federal level cabinet secretary of a federal level department (e.g. interior department) with authority over such lands.

AA. **"Federally enforceable"** means all limitations and conditions which are enforceable by the administrator, including:

(1) those requirements developed pursuant to 40 CFR Parts 60 and 61;

(2) requirements within any applicable state implementation plan (SIP);

(3) any permit requirements established pursuant to 40 CFR 52.21; or

(4) under regulations approved pursuant to 40 CFR Part 51, Subpart I, including operating permits issued under an EPA-approved program that expressly requires adherence to any permit issued under such program.

BB. **"Fugitive emissions"** means those emissions which could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening.

CC. **"Greenhouse gases" or "GHGs"** means the air pollutant defined in § 86.1818–12(a) of Chapter I of Title 40 of the CFR, as the aggregate group of six greenhouse gases: carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride.

DD. **"High terrain"** means any area having an elevation 900 feet or more above the base of a source's stack.

EE. "Indian governing body" means the governing body of any tribe, band, or group of Indians subject to the jurisdiction of the United States and recognized by the United States as possessing power of self-government.

FF. "Innovative control technology" means any system of air pollution control that has not been adequately demonstrated in practice, but would have a substantial likelihood of achieving greater continuous emissions reduction than any control system in current practice or achieving at least comparable reductions at lower cost in terms of energy, economics, or non-air quality environmental impacts.

GG. "Low terrain" means any area other than high terrain.

HH. "Lowest achievable emission rate (LAER)" means, for any source, the more stringent rate of emissions based on the following:

(1) the most stringent emissions limitation which is contained in the implementation plan of any state for such class or category of stationary source, unless the owner or operator of the proposed stationary source demonstrates that such limitations are not achievable; or

(2) the most stringent emissions limitation which is achieved in practice by such class or category of stationary source; this limitation, when applied to a modification, means the lowest achievable emissions rate for the new or modified emissions units within the stationary source; in no event shall the application of this term permit a proposed new or modified stationary source to emit any pollutant in excess of the amount allowable under an applicable new source standard of performance.

II. "Major modification"

(1) Means any physical change in or change in the method of operation of a major stationary source that would result in: a significant emissions increase of a regulated NSR pollutant; and a significant net emissions increase of that pollutant from the major stationary source.

(2) Any significant emissions increase from any emissions units or net emissions increase at a major stationary source that is significant for volatile organic compounds or oxides of nitrogen shall be considered significant for ozone.

(3) A physical change or change in the method of operation shall not include:

(a) routine maintenance, repair, and replacement;

(b) use of an alternative fuel or raw material by reason of an order under Section 2(a) and (b) of the Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act;

(c) use of an alternative fuel by reason of an order or rule under Section 125 of the act;

(d) use of an alternative fuel at a steam generating unit to the extent that the fuel is generated from municipal solid waste;

(e) use of an alternative fuel or raw material by a stationary source which:

(i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975 pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166; or

(ii) the source is approved to use under any permit issued under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166;

(f) an increase in the hours of operation or in the production rate, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations approved pursuant to 40 CFR Subpart I or 40 CFR 51.166;

(g) any change in ownership at a stationary source;

(h) the installation, operation, cessation, or removal of a temporary clean coal technology demonstration project, provided that the project complies with:

(i) the state implementation plan for the state in which the project is located; and

(ii) other requirements necessary to attain and maintain the NAAQS during the project and after it is terminated;

(i) the installation or operation of a permanent clean coal technology demonstration project that constitutes repowering, provided that the project does not result in an increase in the potential to emit of any regulated NSR pollutant emitted by the unit; this exemption shall apply on a pollutant-by-pollutant basis; or

(j) the reactivation of a very clean coal-fired electric utility steam generating unit.

(4) This definition shall not apply with respect to a particular regulated NSR pollutant when the major stationary source is complying with the requirements under 20.11.61.20 NMAC for a PAL for that pollutant. Instead, the definition at Paragraph (8) of Subsection B of 20.11.61.20 NMAC shall apply.

JJ. "Major source baseline date" means:

(1) in the case of PM_{10} and sulfur dioxide, January 6, 1975;
(2) in the case of nitrogen dioxide, February 8, 1988; and
(3) in the case of $PM_{2.5}$, October 20, 2010.

KK. "Major stationary source"

(1) means:

(a) any stationary source listed in Table 1 of 20.11.61.26 NMAC which emits, or has the potential to emit, 100 tons per year or more of any regulated NSR pollutant;

(b) notwithstanding the stationary source categories specified in Subparagraph (a) of Paragraph (1) of Subsection KK of 20.11.61.7 NMAC, any stationary source which emits, or has the potential to emit, 250 tons per year or more of any regulated NSR pollutant; or

(c) any physical change that would occur at a stationary source not otherwise qualifying under Subsection KK of 20.11.61.7 NMAC, as a major stationary source if the change would constitute a major stationary source by itself.

(2) A major source that is major for volatile organic compounds or oxides of nitrogen shall be considered major for ozone.

(3) The fugitive emissions of a stationary source shall not be included in determining whether it is a major stationary source, unless the source belongs to one of the stationary source categories found in Table 1 of 20.11.61.26 NMAC or any other stationary source category which, as of August 7, 1980, is being regulated under Section 111 or 112 of the act.

LL. "Mandatory federal class I area" means any area identified in 40 CFR Part 81, Subpart D.

MM. "Minor source baseline date" means the earliest date after the trigger date on which a major stationary source or major modification subject to 40 CFR 52.21, or to regulations approved pursuant to 40 CFR 51.166, submits a complete application under the relevant regulations.

(1) The trigger dates are:

(a) August 7, 1977, for PM_{10} and sulfur dioxide; and

(b) February 8, 1988 for nitrogen dioxide; and

(c) October 20, 2011, for $PM_{2.5}$.

(2) The baseline date is established for each pollutant for which increments or other equivalent measures have been established if:

(a) the area in which the proposed major stationary source or major modification would construct is designated as attainment or unclassifiable under Section 107(d)(1)(A)(ii) or (iii) of the federal act for the pollutant on the date of its complete application under 40 CFR 52.21 or under regulations approved pursuant to 40 CFR 51.166; and

(b) in the case of a major stationary source, the pollutant would be emitted in significant amounts, or in the case of a major modification, there would be a significant net emissions increase of the pollutant.

(3) Any minor source baseline date established originally for the TSP increments shall remain in effect and shall apply for purposes of determining the amount of available PM_{10} increments, except that the department may rescind any such minor source baseline date where it can be shown, to the director's satisfaction that, either the emissions increase from the major stationary source, or the net emissions increase from the major modification, responsible for triggering that date did not result in a significant amount of PM_{10} emissions.

NN. "Natural conditions" includes naturally occurring phenomena that reduce visibility as measured in terms of visual range, contrast or coloration.

OO. "Necessary preconstruction approvals or permits" mean those permits or approvals required under federal air quality control laws and regulations and those air quality control laws and regulations which are part of the New Mexico state implementation plan.

PP. "Net emissions increase"

(1) Means, that with respect to any regulated NSR pollutant emitted by a major stationary source, the amount by which the sum of the following exceeds zero:

(a) the increase in emissions from a particular physical change or change in the method of operation at a stationary source as calculated pursuant to Subsection D of 20.11.61.11 NMAC; and

(b) any other increases and decreases in actual emissions at the major stationary source that are contemporaneous with the particular change and are otherwise creditable; baseline actual emissions for calculating increases and decreases shall be determined as provided in Subsection I of 20.11.61.7 NMAC, except that Subparagraph (c) of Paragraph (1) and Subparagraph (d) of Paragraph (2) of Subsection I of 20.11.61.7 NMAC shall not apply.

(2) An increase or decrease in actual emissions is contemporaneous with the increase from the particular change only if it occurs between:

(a) the date five years prior to the commencement of construction on the particular change; and

(b) the date that the increase from the particular change occurs.

(3) An increase or decrease in actual emissions is creditable only if:

(a) it occurs between:

(i) the date five years prior to the commencement of construction on the particular change; and

(ii) the date that the increase from the particular change occurs; and

(b) the department has not relied on it in issuing a permit for the source under regulations approved pursuant to 40 CFR 51.166, which permit is in effect when the increase in actual emissions from the particular change occurs; and

(c) the increase or decrease in emissions did not occur at a ***clean unit***, as defined in 40 CFR 51.166 (b)(3)(iii)(c) and Federal Register Vol. 76 No. 61, 3/30/11, p. 17554.

(d) As it pertains to an increase or decrease in fugitive emissions (to the extent quantifiable), it occurs at an emissions unit that is part of one of the source categories listed in Paragraph (3) of Subsection KK of 20.11.61.7 NMAC or it occurs at an emission unit that is located at a major stationary source that belongs to one of the listed source categories. Fugitive emission increases or decreases are not included for those emissions units located at a facility whose primary activity is not represented by one of the source categories listed in Paragraph (3) of Subsection KK of 20.11.61.7 NMAC and that are not, by themselves, part of a listed source category.

(4) An increase or decrease in actual emissions of sulfur dioxide, particulate matter, or oxides of nitrogen that occurs before the applicable minor source baseline date is creditable only if it is required to be considered in calculating the amount of maximum allowable increases remaining available.

(5) An increase in actual emissions is creditable only to the extent that the new level of actual emissions exceeds the old level.

(6) A decrease in actual emissions is creditable only to the extent that:

(a) the old level of actual emissions or the old level of allowable emissions, whichever is lower, exceeds the new level of actual emissions;

(b) it is enforceable as a practical matter at and after the time that actual construction on the particular change begins; and

(c) it has approximately the same qualitative significance for public health and welfare as that attributed to the increase from the particular change; and

(7) an increase that results from a physical change at a source occurs when the emissions unit on which construction occurred becomes operational and begins to emit a particular pollutant; any replacement unit that requires shakedown becomes operational only after a reasonable shakedown period, not to exceed 180 days.

(8) Paragraph (2) of Subsection B of 20.11.61.7 NMAC shall not apply for determining creditable increases and decreases.

QQ. "Nonattainment area" means an area which has been designated under Section 107 of the act as nonattainment for one or more of the NAAQS by EPA.

RR. "Portable stationary source" means a source which can be relocated to another operating site with limited dismantling and reassembly.

SS. "Potential to emit" means the maximum capacity of a stationary source to emit a pollutant under its physical and operational design. Any physical or operational limitation on the capacity of the source to emit a pollutant, including air pollutant control equipment and restrictions on hours of operation or on the type or amount of material combusted, stored, or processed, shall be treated as part of its design if the limitations or the effect the limitation would have on emissions is federally enforceable. Secondary emissions do not count in determining the potential to emit of a stationary source.

TT. "Predictive emissions monitoring system (PEMS)" means all of the equipment necessary to monitor process and control device operational parameters (for example, control device secondary voltages and electric currents) and other information (for example, gas flow rate, O_2 or CO_2 concentrations), and calculate and record the mass emissions rate (for example, lb/hr) on a continuous basis.

UU. "Project" means a physical change in, or change in method of operation of, an existing major stationary source.

VV. "Projected actual emissions"

(1) Means the maximum annual rate, in tons per year, at which an existing emissions unit is projected to emit a regulated NSR pollutant in any one of the five years (12-month period) following the date the unit resumes

regular operation after the project, or in any one of the 10 years following that date, if the project involves increasing the emissions unit's design capacity or its potential to emit that regulated NSR pollutant, and full utilization of the unit would result in a significant emissions increase, or a significant net emissions increase at the major stationary source.

(2) In determining the projected actual emissions (before beginning actual construction), the owner or operator of the major stationary source:

(a) shall consider all relevant information, including but not limited to, historical operational data, the company's own representations, the company's expected business activity and the company's highest projections of business activity, the company's filings with the state or federal regulatory authorities, and compliance plans under an approved SIP; and

(b) shall include fugitive emissions to the extent quantifiable and emissions associated with startups, shutdowns, and malfunctions; and

(c) shall exclude, in calculating any increase in emissions that results from the particular project, that portion of the unit's emissions following the project that an existing unit could have accommodated during the consecutive 24-month period used to establish the baseline actual emissions under Subsection I of 20.11.61.7 NMAC and that are also unrelated to the particular project, including any increased utilization due to product demand growth; or

(3) in lieu of using the method set out in Subparagraphs (a)-(c) of Paragraph (2) of Subsection VV of 20.11.61.7 NMAC, may elect to use the emissions unit's potential to emit in tons per year.

WW. "Regulated new source review pollutant" or "regulated NSR pollutant" means the following:

(1) any pollutant for which a NAAQS has been promulgated; this includes, but is not limited to the following:

(a) $PM_{2.5}$ emissions and PM_{10} emissions shall include gaseous emissions from a source or activity which condense to form particulate matter at ambient temperatures; on or after January 1, 2011, such condensable particulate matter shall be accounted for in applicability determinations and in establishing emissions limitations for $PM_{2.5}$ and PM_{10} in PSD permits; compliance with emissions limitations for $PM_{2.5}$ and PM_{10} issued prior to this date shall not be based on condensable particulate matter unless required by the terms and conditions of the permit or the applicable implementation plan; applicability determinations made prior to this date without accounting for condensable particulate matter shall not be considered in violation of 40 CFR 51.166 unless the applicable implementation plan required condensable particulate matter to be included;

(b) any pollutant identified under Subparagraph (b) of Paragraph (1) of Subsection WW of 20.11.61.7 NMAC as a constituent or precursor to a pollutant for which a NAAQS has been promulgated; precursors identified by the administrator for purposes of NSR are the following:

(i) volatile organic compounds and nitrogen oxides are precursors to ozone in all attainment and unclassifiable areas;

(ii) sulfur dioxide is a precursor to $PM_{2.5}$ in all attainment and unclassifiable areas;

(iii) nitrogen oxides are presumed to be precursors to $PM_{2.5}$ in all attainment and unclassifiable areas, unless the state demonstrates to the administrator's satisfaction or EPA demonstrates that emissions of nitrogen oxides from sources in a specific area are not a significant contributor to that area's ambient $PM_{2.5}$ concentrations;

(iv) volatile organic compounds are presumed not to be precursors to $PM_{2.5}$ in any attainment or unclassifiable area, unless the state demonstrates to the administrator's satisfaction or EPA demonstrates that emissions of volatile organic compounds from sources in a specific area are a significant contributor to that area's ambient $PM_{2.5}$ concentrations;

(2) any pollutant that is subject to any standard promulgated under Section 111 of the act;

(3) any class I or II substance subject to a standard promulgated under or established by Title VI of the act;

(4) any pollutant that otherwise is "subject to regulation" under the act as defined in Subsection CCC of 20.11.61.7 NMAC;

(5) notwithstanding Paragraphs (1) through (4) of Subsection WW of 20.11.61.7 NMAC, the term "regulated NSR pollutant" shall not include any or all hazardous air pollutants either listed in Section 112 of the act, or added to the list pursuant to Section 112(b)(2) of the act, and which have not been delisted pursuant to Section 112(b)(3) of the act, unless the listed hazardous air pollutant is also regulated as a constituent or precursor of a general pollutant listed under Section 108 of the act;

(6) particulate matter (PM) emissions, $PM_{2.5}$ emissions, and PM_{10} emissions shall include gaseous emissions from a source or activity which condense to form particulate matter at ambient temperatures; on or after

January 1, 2011 (or any earlier date established in the upcoming rulemaking codifying test methods), such condensable particulate matter shall be accounted for in applicability determinations and in establishing emissions limitations for PM, $PM_{2.5}$ and PM_{10} in PSD permits; compliance with emissions limitations for PM, $PM_{2.5}$ and PM_{10} issued prior to this date shall not be based on condensable particulate matter unless required by the terms and conditions of the permit or the applicable implementation plan; applicability determinations made prior to this date without accounting for condensable particulate matter shall not be considered in violation of 20.11.61 NMAC unless the applicable implementation plan required condensable particulate matter to be included.

XX. "Replacement unit" means an emission unit for which all of the following criteria are met. No creditable emission reductions shall be generated from shutting down the existing emissions unit that is replaced.

(1) The emissions unit is a reconstructed unit within the meaning of 40 CFR 60.15(b)(1), or the emissions unit completely takes the place of an existing emissions unit.

(2) The emissions unit is identical to or functionally equivalent to the replaced emissions unit.

(3) The replacement unit does not change the basic design parameter(s) of the process unit.

(4) The replaced emissions unit is permanently removed from the major stationary source, otherwise permanently disabled, or permanently barred from operation by a permit that is enforceable as a practical matter. If the replaced emissions unit is brought back into operation, it shall constitute a new emissions unit.

YY. "Secondary emissions" means emissions which occur as a result of the construction or operation of a major stationary source or major modification, but do not come from the major stationary source or major modification itself. For the purpose of 40 CFR 51.166, secondary emissions must be specific, well defined, quantifiable, and impact the same general areas as the stationary source or modification which causes the secondary emissions. Secondary emissions include emissions from any offsite support facility which would not be constructed or increase its emissions except as a result of the construction or operation of the major stationary source or major modification. Secondary emissions do not include any emissions which come directly from a mobile source, such as emissions from the tailpipe of a motor vehicle, from a train, or from a vessel.

ZZ. "Significant" means:

(1) in reference to a net emissions increase or the potential of a source to emit any of the pollutants listed in Table 2 of 20.11.61.27 NMAC, a rate of emissions that would equal or exceed any of the corresponding emission rates listed in Table 2 of 20.11.61.27 NMAC;

(2) in reference to a net emissions increase or the potential of a source to emit a regulated NSR pollutant that Paragraph (1) of Subsection ZZ of 20.11.61.7 NMAC, does not list, any emissions rate; and

(3) notwithstanding Paragraph (1) of Subsection ZZ of 20.11.61.7 NMAC, any emissions rate or any net emissions increase associated with a major stationary source or major modification, which would construct within 10 kilometers of a class I area, and have an impact on such area equal to or greater than 1 $\mu g/m^3$ (24-hour average).

AAA. "Significant emissions increase" means, for a regulated NSR pollutant, an increase in emissions that is significant for that pollutant.

BBB. "Stationary source" means any building, structure, facility, or installation which emits, or may emit, any regulated NSR pollutant.

CCC. "Subject to regulation" means, for any air pollutant, that the pollutant is subject to either a provision in the Clean Air Act, or a nationally-applicable regulation codified by the administrator in Subchapter C of Chapter I of Title 40 of the CFR, that requires actual control of the quantity of emissions of that pollutant, and that such a control requirement has taken effect and is operative to control, limit or restrict the quantity of emissions of that pollutant released from the regulated activity. Except that:

(1) Greenhouse gases (GHGs) shall not be subject to regulation except as provided in Paragraphs (4) and (5) of Subsection CCC of 20.11.61.7 NMAC and shall not be subject to regulation if the stationary source maintains its total source-wide emissions below the GHG PAL level, meets the requirements in 20.11.61.20 NMAC, and complies with the PAL permit containing the GHG PAL.

(2) For purposes of Paragraphs (3) through (5) of Subsection CCC of 20.11.61.7 NMAC, the term "tpy CO_2 equivalent emissions (CO_2e)" shall represent an amount of GHGs emitted, and shall be computed as follows:

(a) multiplying the mass amount of emissions (tpy), for each of the six greenhouse gases in the pollutant GHGs, by the gas's associated global warming potential published at Table A–1 to subpart A of Part 98 of Chapter I of Title 40 of the CFR — *Global Warming Potentials*~~; for purposes of Paragraph (2) of Subsection CCC of 20.11.61.7 NMAC, prior to July 21, 2014, the mass of the greenhouse gas carbon dioxide shall not include carbon dioxide emissions resulting from the combustion or decomposition of non-fossilized and biodegradable organic material originating from plants, animals, or micro-organisms (including products, by-products, residues and waste~~

~~from agriculture, forestry and related industries as well as the non-fossilized and biodegradable organic fractions of industrial and municipal wastes, including gases and liquids recovered from the decomposition of non-fossilized and biodegradable organic material)~~.

(b) sum the resultant value from Subparagraph (a) of Paragraph (2) of Subsection CCC of 20.11.61.7 NMAC for each gas to compute a tpy CO_2e.

(3) The term "emissions increase" as used in Paragraphs (4) and (5) of Subsection CCC of 20.11.61.7 NMAC, shall mean that both a significant emissions increase (as calculated using the procedures in Subsection D of 20.11.61.11 NMAC) and a significant net emissions increase (as defined in Subsection PP of 20.11.61.7 NMAC and Subsection ZZ of 20.11.61.7 NMAC) occur. For the pollutant GHGs, an emissions increase shall be based on tpy CO_2e, and shall be calculated assuming the pollutant GHGs is a regulated NSR pollutant, and ''significant'' is defined as 75,000 tpy CO_2e instead of applying the value in Table 2 of 20.11.61.27 NMAC.

(4) Beginning January 2, 2011, the pollutant GHGs is subject to regulation if:

(a) the stationary source is a new major stationary source for a regulated NSR pollutant that is not GHGs, and also will emit or will have the potential to emit 75,000 tpy CO_2e or more; or

(b) the stationary source is an existing major stationary source for a regulated NSR pollutant that is not GHGs, and also will have an emissions increase of a regulated NSR pollutant, and an emissions increase of 75,000 tpy CO_2e or more; and,

(5) beginning July 1, 2011, in addition to the provisions in Paragraph (4) of Subsection CCC of 20.11.61.7 NMAC, the pollutant GHGs shall also be subject to regulation:

(a) at a new stationary source that will emit or have the potential to emit 100,000 tpy CO_2e; or

(b) at an existing stationary source that emits or has the potential to emit 100,000 tpy CO_2e, when such stationary source undertakes a physical change or change in the method of operation that will result in an emissions increase of 75,000 tpy CO_2e or more.

DDD. "Temporary source" means a stationary source which changes its location or ceases to exist within two years from the date of initial start of operations.

EEE. "Visibility impairment" means any humanly perceptible change in visibility (visual range, contrast, coloration) from that which would have existed under natural conditions.

FFF. "Volatile organic compound (VOC)" means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, which participates in atmospheric photochemical reactions; this includes any such organic compound other than those which the administrator designates as having negligible photochemical reactivity under 40 CFR 51.100(s).

[20.11.61.7 NMAC - Rp, 20.11.61.7 NMAC, 1/23/06; A, 5/15/06; A, 8/30/10; A, 1/10/11; A, 5/13/13]

20.11.61.8 SAVINGS CLAUSE: Any amendment to 20.11.61 NMAC, *Prevention of Significant Deterioration* that is filed with the state records center and archives shall not affect actions pending for violation of a city or county ordinance or board regulation. Prosecution for a violation under prior regulation wording shall be governed and prosecuted under the statute, ordinance, part or section in effect at the time the violation was committed.

[20.11.61.8 NMAC - Rp, 20.11.61.9 NMAC, 1/23/06]

20.11.61.9 SEVERABILITY: If any section, paragraph, sentence, clause, or word of 20.11.61 NMAC or any federal standards incorporated herein is for any reason held to be unconstitutional or otherwise invalid by any court, the decision shall not affect the validity of remaining provisions of 20.11.61 NMAC.

[20.11.61.9 NMAC - Rp, 20.11.61.10 NMAC, 1/23/06]

20.11.61.10 DOCUMENTS: Documents incorporated and cited in 20.11.61 NMAC may be viewed at the Albuquerque environmental health department, One Civic Plaza NW, 3rd Floor, Suite 3023, Albuquerque, NM 87102.

[20.11.61.10 NMAC - Rp, 20.11.61.11 NMAC, 1/23/06; A, 5/13/13]

20.11.61.11 APPLICABILITY:

A. The requirements of 20.11.61 NMAC apply to the construction of any new major stationary source or any project at an existing major stationary source in an area designated as attainment or unclassifiable.

B. ~~The requirements of Sections 20.11.61.12 NMAC and 20.11.61.13 NMAC, Subsections A through C of 20.11.61.14 NMAC, Paragraph (1) of Subsection B of 20.11.61.15 NMAC, Subsections A and B of 20.11.61.16 NMAC, 20.11.61.17 NMAC, Subsections A through C of 20.11.61.18 NMAC, Subsections B and C of~~

~~20.11.61.21 NMAC and 20.11.61.24 NMAC apply to the construction of any new major stationary source or the major modification of any existing major stationary source, except as 20.11.61 NMAC otherwise provides.~~ The requirements of 20.11.61.12 NMAC through 20.11.61.18 NMAC, 20.11.61.21 NMAC and 20.11.61.24 NMAC apply to the construction of any new major stationary source or the major modification of any existing major stationary source except as 20.11.61 NMAC otherwise provides.

C. ~~No new major stationary source or major modification to which the requirements of Subsections A, B, C and D of 20.11.61.12 NMAC, Section 20.11.61.13 NMAC, Subsections A through C of 20.11.61.14 NMAC, Paragraph (1) of Subsection B of 20.11.61.15 NMAC, Subsections A and B of 20.11.61.16 NMAC, 20.11.61.17 NMAC, Subsections A through C of 20.11.61.18 NMAC, Subsections B and C of 20.11.61.21 NMAC and 20.11.61.24 NMAC apply shall begin actual construction without a permit that states that the major stationary source or major modification will meet those requirements.~~ No new major stationary source or major modification to which the requirements of Subsections A, B, C and D of 20.11.61.12 NMAC, Sections 20.11.61.13 NMAC through 20.11.61.18 NMAC, 20.11.61.21 NMAC and 20.11.61.24 NMAC apply shall begin actual construction without a permit that states that the major stationary source or major modification will meet those requirements.

D. Applicability procedures.

(1) Except as otherwise provided in Subsection E of 20.11.61.11 NMAC, and consistent with the definition of major modification, a project is a major modification for a regulated NSR pollutant if it causes a significant emissions increase and a significant net emissions increase. The project is not a major modification if it does not cause a significant emissions increase. If the project causes a significant emissions increase, then the project is a major modification only if it also results in a significant net emissions increase.

(2) The procedure for calculating (before beginning actual construction) whether a significant emissions increase (i.e., the first step of the process) will occur depends upon the type of emissions units being modified, according to Paragraphs (3) through (5) of Subsection D of 20.11.61.11 NMAC. The procedure for calculating (before beginning actual construction) whether a significant net emissions increase will occur at the major stationary source (i.e., the second step of the process) is contained in the definition in Subsection PP of 20.11.61.7 NMAC. Regardless of any such preconstruction projections, a major modification results if the project causes a significant emissions increase and a significant net emissions increase.

(3) **Actual-to-projected-actual applicability test for projects that only involve existing emissions units.** A significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the difference between the projected actual emissions and the baseline actual emissions for each existing emissions unit equals or exceeds the significant amount for that pollutant.

(4) **Actual-to-potential test for projects that only involve construction of a new emissions unit(s).** A significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the difference between the potential to emit from each new emissions unit following completion of the project and the baseline actual emissions of these units before the project equals or exceeds the significant amount for that pollutant.

(5) **Hybrid test for projects that involve multiple types of emissions units.** A significant emissions increase of a regulated NSR pollutant is projected to occur if the sum of the emissions increases for each emissions unit, using the method specified in Paragraphs (3) and (4) of Subsection D of 20.11.61.11 NMAC as applicable with respect to each emissions unit, for each type of emissions unit equals or exceeds the significant amount for that pollutant.

E. For any major stationary source for a PAL for a regulated NSR pollutant, the major stationary source shall comply with requirements under 20.11.61.20 NMAC.

[20.11.61.11 NMAC - N, 1/23/06; A, 8/30/10; A, 1/10/11; A, 5/13/13]

20.11.61.12 OBLIGATIONS OF OWNERS OR OPERATORS OF SOURCES:

A. Any owner or operator who begins actual construction or operates a source or modification without, or not in accordance with, a permit issued under the requirements of 20.11.61 NMAC shall be subject to enforcement action.

B. Approval to construct shall not relieve any person from the responsibility to comply fully with the provisions of the Air Quality Control Act, Sections 74-2-1 to 74-2-17, NMSA 1978; any applicable regulations of the board; and any other requirements under local, state, or federal law.

C. Approval to construct shall become invalid if construction is not commenced within 18 months after receipt of such approval, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time; the administrator may extend the 18-month period upon a satisfactory showing that an extension is justified; this provision does not apply to the time period between construction of the

approved phases of a phased construction project; each phase must commence construction within 18 months of the projected and approved commencement date.

D. At such time that a particular source or modification becomes a major stationary source or major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then 20.11.61 NMAC shall apply to the source or modification as though construction had not yet commenced on the source or modification.

E. Except as otherwise provided in Paragraph (6) of Subsection E of 20.11.61.12 NMAC the following specific provisions apply with respect to any regulated NSR pollutant emitted from projects at existing emissions units at a major stationary source (other than projects at a source with a PAL) in circumstances where there is a reasonable possibility within the meaning of Paragraph (6) of Subsection E of 20.11.61.12 NMAC that a project that is not a part of a major modification may result in a significant emissions increase of such pollutant and the owner or operator elects to use the method specified in Paragraphs (1) through (3) of Subsection VV of 20.11.61.7 NMAC for calculating projected actual emissions.

(1) Before beginning actual construction of the project, the owner or operator shall document and maintain a record of the following information:

(a) a description of the project;

(b) identification of the emissions unit(s) whose emissions of a regulated NSR pollutant could be affected by the project; and

(c) a description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded under Paragraph (3) of Subsection VV of 20.11.61.7 NMAC and an explanation for why such amount was excluded, and any netting calculations, if applicable.

(2) If the emissions unit is an existing electric utility steam generating unit, before beginning actual construction, the owner or operator shall provide a copy of the information set out in Paragraph (1) of Subsection E of 20.11.61.12 NMAC to the department. Nothing in Paragraph (2) of Subsection E of 20.11.61.12 NMAC shall be construed to require the owner or operator of such a unit to obtain any determination from the department before beginning actual construction; however, necessary preconstruction approvals and/or permits must be obtained before beginning actual construction.

(3) The owner or operator shall monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any emissions unit identified in Subparagraph (b) of Paragraph (1) of Subsection E of 20.11.61.12 NMAC; and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five years following resumption of regular operations after the change, or for a period of 10 years following resumption of regular operations after the change if the project increases the design capacity or potential to emit of that regulated NSR pollutant at such emissions unit. For purposes of Paragraph (3) of Subsection E of 20.11.61.12 NMAC, fugitive emissions (to the extent quantifiable) shall be monitored if the emissions unit is part of one of the source categories listed in Table 1 of 20.11.61.26 NMAC or if the emissions unit is located at a major stationary source that belongs to one of the listed source categories.

(4) If the unit is an existing electric utility steam generating unit, the owner or operator shall submit a report to the department within 60 days after the end of each year during which records must be generated under Subparagraph (c) of Paragraph (1) of Subsection E of 20.11.61.12 NMAC setting out the unit's annual emissions during the calendar year that preceded submission of the report.

(5) If the unit is an existing unit other than an electric utility steam generating unit, the owner or operator shall submit a report to the department if the annual emissions, in tons per year, from the project identified in Paragraph (1) of Subsection E of 20.11.61.12 NMAC, exceed the baseline actual emissions (as documented and maintained pursuant to Subparagraph (c) of Paragraph (1) of Subsection E of 20.11.61.12 NMAC) by a significant amount for that regulated NSR pollutant, and if such emissions differ from the preconstruction projection as documented and maintained pursuant to Subparagraph (c) of Paragraph (1) of Subsection E of 20.11.61.12 NMAC. Such report shall be submitted to the department within 60 days after the end of such year. The report shall contain the following:

(a) the name, address and telephone number of the major stationary source;

(b) the annual emissions as calculated pursuant to Paragraph (3) of Subsection E of 20.11.61.12 NMAC; and

(c) any other information that the owner or operator wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).

(6) A ''reasonable possibility'' under Subsection E of 20.11.61.12 NMAC occurs when the owner or operator calculates the project to result in either:

(a) a projected actual emissions increase of at least 50 percent of the amount that is a ''significant emissions increase,'' as defined under Subsection AAA of 20.11.61.7 NMAC (without reference to the amount that is a significant net emissions increase), for the regulated NSR pollutant; or

(b) a projected actual emissions increase that, added to the amount of emissions excluded under Paragraph (3) of Subsection VV of 20.11.61.7 NMAC, sums to at least 50 percent of the amount that is a "significant emissions increase," as defined under Subsection AAA of 20.11.61.7 NMAC (without reference to the amount that is a significant net emissions increase), for the regulated NSR pollutant; for a project for which a reasonable possibility occurs only within the meaning of Subparagraph (b) of Paragraph (6) of Subsection E of 20.11.61.12 NMAC, and not also within the meaning of Subparagraph (a) of Paragraph (6) of Subsection E of 20.11.61.12 NMAC, then provisions of Paragraphs (2) through (5) of Subsection E of 20.11.61.12 NMAC do not apply to the project.

F. The owner or operator of the source shall make the information required to be documented and maintained pursuant to Subsection E of 20.11.61.12 NMAC available for review upon request for inspection by the department or the general public pursuant to the requirements contained in 40 CFR 70.4(b)(3)(viii).

[20.11.61.12 NMAC - Rp, 20.11.61.12 NMAC, 1/23/06; A, 8/30/10; A, 1/10/11; A, 5/13/13]

20.11.61.13 SOURCE INFORMATION: The owner or operator of a proposed source or modification shall submit all information necessary to perform any analysis or make any determination required by 20.11.61 NMAC.

A. Information shall include, but is not limited to:

(1) a description of the nature, location, design capacity, and typical operating schedule of the source or modification, including specifications and drawings showing the design and plant layout; and

(2) a detailed schedule of construction of the source or modification; and

(3) a detailed description of the planned system of continuous emission reduction for the source or modification, emission estimates, and other information necessary to determine that best available control technology will be applied.

B. Upon request by the department, the owner or operator shall also provide information on:

(1) the air quality impact of the source or modification, including meteorological and topographic data necessary to estimate such impact; and

(2) the air quality impacts, and the nature and extent of any or all general commercial, residential, industrial, and other growth which has occurred since August 7, 1977 in the area the source or modification would affect.

[20.11.61.13 NMAC - Rp, 20.11.61.13 NMAC, 1/23/06]

20.11.61.14 CONTROL TECHNOLOGY REVIEW AND INNOVATIVE CONTROL TECHNOLOGY:

A. A new major stationary source shall apply best available control technology for each regulated NSR pollutant that it would have the potential to emit in amounts equal to or greater than the significance levels as listed in Table 2 of 20.11.61.27 NMAC. This requirement applies to each proposed emissions unit or operation that will emit such pollutant.

B. A major modification shall apply best available control technology for each regulated NSR pollutant at the source when a significant net emissions increase occurs. This requirement applies to each proposed emissions unit or operation where a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit.

C. For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time but no later than 18 months prior to commencement of construction of each independent phase of the project. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source.

D. Innovative control technology. The department may approve a system of innovative control technology for the major stationary source or major modification if:

(1) the proposed control system would not cause or contribute to an unreasonable risk to public health, welfare, or safety in its operation or function; and

(2) the owner or operator agrees to achieve a level of continuous emissions reduction equivalent to that which would have been required under Subsection A of 20.11.61.14 NMAC by a date specified by the

department. Such date shall not be later than four years from the time of startup or seven years from permit issuance; and

(3) the source or modification would meet the requirements equivalent to 20.11.61.14 NMAC and 20.11.61.15 NMAC based on the emissions rate that the stationary source employing the system of innovative control technology would be required to meet on the date specified by the department; and

(4) during the interim period of achieving the permitted emission level, the source or modification would not:

(a) cause or contribute to a violation of an applicable NAAQS; nor

(b) impact any federal class I area; nor

(c) impact any area where an applicable increment is known to be violated; and

(5) all other applicable requirements including those for public participation have been met.

E. The department shall withdraw any approval to employ a system of innovative control technology if:

(1) the proposed system fails by the specified date to achieve the required continuous emissions reduction rate; or

(2) the proposed system fails before the specified date so as to contribute to an unreasonable risk to public health, welfare, or safety; or

(3) the department decides at any time that the proposed system is unlikely to achieve the required level of control or to protect the public health, welfare, or safety.

F. If a source or modification fails to meet the required level of continuous emission reduction within the specified time period or the approval is withdrawn in accordance with Subsection E of 20.11.61.14 NMAC, the department may allow the source or modification up to an additional three years to meet the requirement for the application of best available control technology through use of a demonstrated system of control.

G. If the owner or operator of a major stationary source or major modification previously issued a permit under 20.11.61 NMAC applies for an extension, and the new proposed date of construction is greater than 18 months from the date the permit would become invalid, the determination of best available control technology shall be reviewed and modified as appropriate before such an extension is granted. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source.

[20.11.61.14 NMAC - Rp, 20.11.61.14 NMAC, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.15 AMBIENT IMPACT REQUIREMENTS:

A. The requirements of 20.11.61.15 NMAC shall apply to each pollutant emitted by a new major stationary source or major modification in amounts equal to or greater than that in Table 2 of 20.11.61.27 NMAC. For particulate matter, the source will only be required to perform ambient impact analysis for PM_{10} when the source has the potential to emit significant amounts of PM_{10} as determined from Table 2 of 20.11.61.27 NMAC.

B. Source impact analysis.

(1) **Required demonstration.** The owner or operator of the proposed source or modification shall demonstrate that the allowable emission increases from the proposed source or modification, in conjunction with all other applicable emissions increases or reductions, (including secondary emissions), would not cause or contribute to air pollution in violation of:

(a) any NAAQS in any air quality control region; or

(b) any applicable maximum allowable increase (as shown in Table 4 of 20.11.61.29 NMAC) over the baseline concentrations in any area.

(2) **Reserved**

C. The owner or operator of the proposed major stationary source or major modification shall demonstrate that neither a violation of Subparagraph (a) or (b) of Paragraph (1) of Subsection B of 20.11.61.15 NMAC will occur.

[20.11.61.15 NMAC - Rp, 20.11.61.15 NMAC, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.16 ADDITIONAL IMPACT ANALYSES:

A. The owner or operator of the proposed major stationary source or major modification shall provide an analysis of the impairment to visibility, soils, and vegetation that would occur as a result of the source or modification and general commercial, residential, industrial, and other growth associated with the source or modification. The owner or operator need not provide an analysis of the impact on vegetation having no significant commercial or recreational value. The analysis can use data or information available from the department.

B. The owner or operator shall also provide an analysis of the air quality impact projected for the area as a result of general commercial, residential, industrial, and other growth associated with the source or modification.

C. The department may require monitoring of visibility in any federal class I area where the department determines that an adverse impact on visibility may occur due primarily to the operations of the proposed new source or modification. Such monitoring shall be conducted following procedures approved by the department and subject to the following:

(1) visibility monitoring methods specified by the department shall be reasonably available and not require any research and development; and

(2) the cost of visibility monitoring required by the department shall not exceed 50 percent of the cost of ambient monitoring required by 20.11.61 NMAC; if ambient monitoring is not required, the cost shall be estimated as if it were required for each pollutant to which 20.11.61 NMAC applies;

(3) both preconstruction and post construction visibility monitoring may be required; in each case, the duration of such monitoring shall not exceed one year.

[20.11.61.16 NMAC - Rp, 20.11.61.16 NMAC, 1/23/06; A, 8/30/10]

20.11.61.17 AMBIENT AIR QUALITY MODELING: All estimates of ambient concentrations required by 20.11.61 NMAC shall be based on applicable air quality models, data bases, and other requirements as specified in Appendix W to 40 CFR Part 51, its revisions, or any superseding EPA document, and approved by the department. Where an air quality model specified in the Appendix W to 40 CFR Part 51, *Guideline on Air Quality Models*, is inappropriate, the model may be modified or another model substituted. Any substitution or modification of a model must be approved by the department. Notification shall be given by the department of such a substitution or modification and the opportunity for public comment provided for in fulfilling the public notice requirements in Subsection B of 20.11.61.21 NMAC. The department will seek EPA approval of such substitutions or modifications.

[20.11.61.17 NMAC - Rp, 20.11.61.17 NMAC, 1/23/06; A, 8/30/10]

20.11.61.18 AIR QUALITY ANALYSIS AND MONITORING REQUIREMENTS:

A. Preapplication analysis.

(1) Any application for a permit under regulations approved pursuant to 40 CFR 51.166 (e.g. 20.11.61 NMAC) shall contain an analysis of ambient air quality in the area that the major stationary source or major modification would affect for each of the following pollutants:

(a) for a major stationary source, each pollutant that it would have the potential to emit in a significant amount; or

(b) for a major modification, each pollutant for which it would result in a significant net emission increase.

(2) If no NAAQS for a pollutant exists, and there is an acceptable method for monitoring that pollutant, the analysis shall contain such air quality monitoring data as the department determines is necessary to assess ambient air quality for that pollutant in any area that the emissions of that pollutant would affect.

(3) For pollutants (other than nonmethane hydrocarbons) for which a standard does exist, the analysis shall contain continuous air quality monitoring data gathered for purposes of determining whether emissions of that pollutant would cause or contribute to a violation of the standard or any maximum allowable increase.

(4) The continuous air quality monitoring data that is required shall have been gathered over a period of one year and shall represent the one year period preceding receipt of the permit application. The department has the discretion to:

(a) determine that a complete and adequate analysis can be accomplished with monitoring data gathered over a period shorter than one year but not less than four months; or

(b) determine that existing air quality monitoring data is representative of air quality in the affected area and accept such data in lieu of additional monitoring by the applicant.

(5) Ozone monitoring shall be performed if monitoring data is required for volatile organic compounds or oxides of nitrogen. The owner or operator of a proposed major stationary source or major modification of volatile organic compounds who satisfies all conditions of 40 CFR Part 51 Appendix S, Section IV may provide post-approval monitoring data for ozone in lieu of providing preconstruction data as required under Subsection A of 20.11.61.18 NMAC.

B. Post-construction monitoring. The owner or operator of a major stationary source or major modification shall, after construction of the stationary source or modification, conduct such ambient monitoring as

the department determines is necessary to determine the effect emissions from the stationary source or modification may have, or are having, on air quality in any area, including monitoring to validate attainment of ambient air quality standards and to assure that increments are not exceeded.

C. Operation of monitoring stations. The owner or operator of a major stationary source or major modification shall meet the requirements of 40 CFR 58, Appendix B during the operation of monitoring stations for purposes of satisfying the requirements of Subsections A through C of 20.11.61.18 NMAC.

D. Exceptions. The department has the discretion to exempt a proposed major stationary source or major modification from the requirements of Subsections A through C of 20.11.61.18 NMAC with respect to monitoring for a particular pollutant if:

(1) the emissions increase of the pollutant from a new stationary source or the net emissions increase of the pollutant from a modification would cause, in any area, air quality impacts less than the levels listed in Table 3 of 20.11.61.28 NMAC;

(2) the existing ambient concentrations of the pollutant in the area affected by the source or modification are less than the concentrations listed in Table 3 of 20.11.61.28 NMAC; or

(3) the pollutant is **not** listed in Table 3 of 20.11.61.28 NMAC.

[20.11.61.18 NMAC - Rp, 20.11.61.18 NMAC, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.19 TEMPORARY SOURCE EXEMPTIONS: The requirements of Subsection B of 20.11.61.15 NMAC, 20.11.61.16 NMAC and 20.11.61.18 NMAC shall not apply to a major source or modification with respect to a particular pollutant, if the allowable emissions of that pollutant from the source, or the net emissions increase of that pollutant from the modification: would not impact any federal class I area or any areas where an applicable increment is known to be violated; and would be temporary.

[20.11.61.19 NMAC - Rp, 20.11.61.19 NMAC, 1/23/06; A, 8/30/10]

20.11.61.20 ACTUALS PLANTWIDE APPLICABILITY LIMITS (PALs):

A. Applicability.

(1) The department may approve the use of an actuals PAL, including for GHGs on either a mass basis or a CO_2e basis, for any existing major stationary source or any existing GHG-only source if the PAL meets the requirements of 20.11.61.20 NMAC. The term "PAL" shall mean "actuals PAL" throughout 20.11.61.20 NMAC.

(2) Any physical change in or change in the method of operation of a major stationary source or a GHG-only source that maintains its total source-wide emissions below the PAL level, meets the requirements of 20.11.61.20 NMAC, and complies with the PAL permit:

(a) is not a major modification for the PAL pollutant;

(b) does not have to be approved through the plan's major NSR program;

(c) is not subject to the provisions in Subsection D of 20.11.61.12 NMAC (restrictions on relaxing enforceable emission limitations that the major stationary source used to avoid applicability of the major NSR program); and

(d) does not make GHGs "subject to regulation" as defined by Subsection CCC of 20.11.61.7 NMAC.

(3) Except as provided under Subparagraph (c) of Paragraph (2) of Subsection A of 20.11.61.20 NMAC, a major stationary source or a GHG-only source shall continue to comply with all applicable federal or state requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL.

B. Definitions applicable to 20.11.61.20 NMAC.

(1) **Actuals PAL *for a major stationary source*** means a PAL based on the *baseline actual emissions* (as defined in Subsection I of 20.11.61.7 NMAC) of all *emissions units* (as defined in Subsection Y of 20.11.61.7 NMAC) at the source, that emit or have the potential to emit the PAL pollutant. **For a GHG-only source, actuals PAL** means a PAL based on the *baseline actual emissions* (as defined in Paragraph (13) of Subsection B of 20.11.61.20 NMAC) of all *emissions units* (as defined in Paragraph (14) of Subsection B of 20.11.61.20 NMAC) at the source, that emit or have the potential to emit GHGs.

(2) **Allowable emissions** means "allowable emissions" as defined in Subsection F of 20.11.61.7 NMAC, except as this definition is modified in accordance with the following.

(a) The allowable emissions for any emissions unit shall be calculated considering any emission limitations that are enforceable as a practical matter on the emissions unit's potential to emit.

(b) An emissions unit's potential to emit shall be determined using the definition in Subsection SS of 20.11.61.7 NMAC, except that the words "or enforceable as a practical matter" should be added after "federally enforceable".

(3) **Small emissions unit** means an emissions unit that emits or has the potential to emit the PAL pollutant in an amount less than the significant level for that PAL pollutant, as defined in Subsection ZZ of 20.11.61.7 NMAC or in the act, whichever is lower. **For a GHG PAL issued on a CO_2 e basis, small emissions unit** means an emissions unit that emits or has the potential to emit less than the amount of GHGs on a CO_2 e basis defined as "significant" for the purposes of Paragraph (3) of Subsection CCC of 20.11.61.7 NMAC at the time the PAL permit is being issued.

(4) **Major emissions unit means:**

(a) Any emissions unit that emits or has the potential to emit 100 tons per year or more of the PAL pollutant in an attainment area; or

(b) any emissions unit that emits or has the potential to emit the PAL pollutant in an amount that is equal to or greater than the major source threshold for the PAL pollutant as defined by the act for nonattainment areas. For example, in accordance with the definition of major stationary source in Section 182(c) of the act, an emissions unit would be a major emissions unit for VOC if the emissions unit is located in a serious ozone nonattainment area and it emits or has the potential to emit 50 or more tons of VOC per year.

(c) For a GHG PAL issued on a CO_2 e basis, any emissions unit that emits or has the potential to emit equal to or greater than the amount of GHGs on a CO_2 e basis that would be sufficient for a new source to trigger permitting requirements under Subsection CCC of 20.11.61.7 NMAC at the time the PAL permit is being issued.

(5) **Plantwide applicability limitation (PAL)** means an emission limitation expressed on a mass basis in tons-per-year, or expressed in tpy CO_2 e for a CO_2 e-based GHG emission limitation, for a pollutant at a major stationary source or GHG-only source, that is enforceable as a practical matter and established source-wide in accordance with 20.11.61.20 NMAC.

(6) **PAL effective date** generally means the date of issuance of the PAL permit. However, the PAL effective date for an increased PAL is the date any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(7) **PAL effective period** means the period beginning with the PAL effective date and ending 10 years later.

(8) **PAL major modification** means, notwithstanding the definitions for *major modification, net emissions increase* and *subject to regulation* at Subsections II, PP and CCC of 20.11.61.7 NMAC respectively, any physical change in or change in the method of operation of the PAL source that causes it to emit the PAL pollutant at a level equal to or greater than the PAL.

(9) **PAL permit** means the major NSR permit, the minor NSR permit, or the state operating permit under a program that is approved into the SIP, or the title V permit issued by the department that establishes a PAL for a major stationary source or a GHG-only source.

(10) **PAL pollutant** means the pollutant for which a PAL is established at a major stationary source or a GHG-only source. For a GHG-only source, the only available PAL pollutant is GHGs.

(11) **Significant emissions unit** means an emissions unit that emits or has the potential to emit a PAL pollutant in an amount that is equal to or greater than the *significant level* (as defined in Subsection ZZ of 20.11.61.7 NMAC or in the act, whichever is lower) for that PAL pollutant, but less than the amount that would qualify the unit as a *major emissions unit* as defined in Paragraph (4) of Subsection B of 20.11.61.20 NMAC. For a GHG PAL issued on a CO_2 e basis, *significant emissions unit* means any emissions unit that emits or has the potential to emit GHGs on a CO_2 e basis in amounts equal to or greater than the amount that would qualify the unit as *small emissions unit* as defined in Paragraph (3) of Subsection B of 20.11.61.20 NMAC, but less than the amount that would qualify the unit as a *major emissions unit* as defined in Subparagraph (c) of Paragraph (4) of Subsection B of 20.11.61.20 NMAC.

(12) **GHG-only source** means any existing stationary source that emits or has the potential to emit GHGs in the amount equal to or greater than the amount of GHGs on a mass basis that would be sufficient for a new source to trigger permitting requirements for GHGs under Subsection KK of 20.11.61.7 NMAC and the amount of GHGs on a CO_2 e basis that would be sufficient for a new source to trigger permitting requirements for GHGs under Subsection CCC of 20.11.61.7 NMAC at the time the PAL permit is being issued, but does not emit or have the potential to emit any other non-GHG regulated NSR pollutant at or above the applicable major source threshold. A GHG-only source may only obtain a PAL for GHG emissions under 20.11.61.20 NMAC.

(13) **Baseline actual emissions *for a GHG PAL*** means the average rate, in tpy CO_2 e or tpy GHG, as applicable, at which the emissions unit actually emitted GHGs during any consecutive 24-month period selected by the owner or operator within the 10-year period immediately preceding either the date the owner or operator begins actual construction of the project, or the date a complete permit application is received by the administrator for a permit required under 40 CFR 52.21 or by the department for a permit required by a plan, whichever is earlier. For any existing electric utility steam generating unit, *baseline actual emissions for a GHG PAL* means the average rate, in tpy CO_2 e or tpy GHG, as applicable, at which the emissions unit actually emitted the GHGs during any consecutive 24-month period selected by the owner or operator within the 5-year period immediately preceding either the date the owner or operator begins actual construction of the project, except that the administrator shall allow the use of a different time period upon a determination that it is more representative of normal source operation.

(a) The average rate shall include fugitive emissions to the extent quantifiable, and emissions associated with startups, shutdowns, and malfunctions.

(b) The average rate shall be adjusted downward to exclude any non-compliant emissions that occurred while the source was operating above an emission limitation that was legally enforceable during the consecutive 24-month period.

(c) The average rate shall be adjusted downward to exclude any emissions that would have exceeded an emission limitation with which the stationary source must currently comply, had such stationary source been required to comply with such limitations during the consecutive 24-month period.

(d) The average rate shall not be based on any consecutive 24-month period for which there is inadequate information for determining annual GHG emissions and for adjusting this amount if required by Subparagraphs (b) and (c) of Paragraph (13) of Subsection B of 20.11.61.20 NMAC.

(14) **Emissions unit *with respect to GHGs*** means any part of a stationary source that emits or has the potential to emit GHGs. For purposes of 40 CFR 52.21, there are two types of emissions units as described in the following:

(a) a new emissions unit is any emissions unit that is (or will be) newly constructed and that has existed for less than 2 years from the date such emissions unit first operated;

(b) an existing emissions unit is any emissions unit that does not meet the requirements in Subparagraph (a) of Paragraph (14) of Subsection B of 20.11.61.20 NMAC.

(15) **Minor source** means any stationary source that does not meet the definition of *major stationary source* in Subsection KK of 20.11.61.7 NMAC for any pollutant at the time the PAL is issued.

C. Permit application requirements. As part of a permit application requesting a PAL, the owner or operator of a major stationary source or a GHG-only source shall submit the following information to the department for approval.

(1) A list of all emissions units at the source designated as small, significant or major based on their potential to emit. In addition, the owner or operator of the source shall indicate which, if any, federal or state applicable requirements, emission limitations, or work practices apply to each unit.

(2) Calculations of the baseline actual emissions (with supporting documentation). Baseline actual emissions are to include emissions associated not only with operation of the unit, but also emissions associated with startup, shutdown, and malfunction.

(3) The calculation procedures that the major stationary source owner or operator proposes to use to convert the monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total for each month as required by Subsection M of 20.11.61.20 NMAC.

(4) As part of a permit application requesting a GHG PAL, the owner or operator of a major stationary source or a GHG-only source shall submit a statement by the source owner or operator that clarifies whether the source is an existing *major source* as defined in Subparagraphs (a) and (b) of Paragraph (1) of Subsection KK of 20.11.61.7 NMAC or a *GHG-only source* as defined in Paragraph (12) of Subsection B of 20.11.61.20 NMAC.

D. General requirements for establishing PALs.

(1) The department may establish a PAL at a major stationary source or a GHG-only source, provided that at a minimum, the following requirements are met.

(a) The PAL shall impose an annual emission limitation expressed on a mass basis in tons per year, or expressed in tpy CO_2 e, that is enforceable as a practical matter, for the entire major stationary source or GHG-only source. For each month during the PAL effective period after the first 12 months of establishing a PAL, the major stationary source or GHG-only source owner or operator shall show that the sum of the monthly emissions from each emissions unit under the PAL for the previous 12 consecutive months is less than the PAL (a 12-month

average, rolled monthly). For each month during the first 11 months from the PAL effective date, the major stationary source or GHG-only source owner or operator shall show that the sum of the preceding monthly emissions from the PAL effective date for each emissions unit under the PAL is less than the PAL.

(b) The PAL shall be established in a PAL permit that meets the public participation requirements in Subsection E of 20.11.61.20 NMAC.

(c) The PAL permit shall contain all the requirements of Subsection G of 20.11.61.20 NMAC.

(d) The PAL shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit the PAL pollutant at the major stationary source or GHG-only source.

(e) Each PAL shall regulate emissions of only one pollutant.

(f) Each PAL shall have a PAL effective period of 10 years.

(g) The owner or operator of the major stationary source or GHG-only source with a PAL shall comply with the monitoring, recordkeeping, and reporting requirements provided in Subsections L through N of 20.11.61.20 NMAC for each emissions unit under the PAL through the PAL effective period.

(2) At no time during or after the PAL effective period are emissions reductions of a PAL pollutant that occur during the PAL effective period creditable as decreases for purposes of offsets under 40 CFR 51.165(a)(3)(ii) unless the level of the PAL is reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the PAL.

E. Public participation requirements for PALs. PALs for existing major stationary sources or GHG-only sources shall be established, renewed, or increased, through a procedure that is consistent with 40 CFR 51.160 and 161. This includes the requirement that the department provide the public with notice of the proposed approval of a PAL permit and at least a 30-day period for submittal of public comment. The department must address all material comments before taking final action on the permit.

F. Setting the 10-year actuals PAL level.

(1) Except as provided in Paragraph (2) of Subsection F of 20.11.61.20 NMAC, the actuals PAL level for a major stationary source or a GHG-only source shall be established as the sum of the *baseline actual emissions* (as defined in Subsection I of 20.11.61.7 NMAC or, for GHGs Paragraph (13) of Subsection B of 20.11.61.20 NMAC) of the PAL pollutant for each emissions unit at the source; plus an amount equal to the applicable significant level for the PAL pollutant under Subsection ZZ of 20.11.61.7 NMAC or under the act, whichever is lower. When establishing the actuals PAL level, for a PAL pollutant, only one consecutive 24-month period must be used to determine the baseline actual emissions for all existing emissions units. However, a different consecutive 24-month period may be used for each different PAL pollutant. Emissions associated with units that were permanently shutdown after this 24-month period must be subtracted from the PAL level. The department shall specify a reduced PAL level(s) (in tons/yr) in the PAL permit to become effective on the future compliance date(s) of any applicable federal or state regulatory requirement(s) that the department is aware of prior to issuance of the PAL permit. For instance, if the source owner or operator will be required to reduce emissions from industrial boilers in half from baseline emissions of 60 ppm NO_X to a new rule limit of 30 ppm, then the permit shall contain a future effective PAL level that is equal to the current PAL level reduced by half of the original baseline emissions of such unit(s).

(2) For newly constructed units (which do not include modifications to existing units) on which actual construction began after the 24-month period, in lieu of adding the baseline actual emissions as specified in Paragraph (1) of Subsection F of 20.11.61.20 NMAC, the emissions must be added to the PAL level in an amount equal to the potential to emit of the units.

(3) For CO_2 e based GHG PAL, the actuals PAL level shall be established as the sum of the GHGs *baseline actual emissions* (as defined in Paragraph (13) of Subsection B of 20.11.61.20 NMAC) of GHGs for each emissions unit at the source, plus an amount equal to the amount defined as "significant" on a CO_2 e basis for the purposes of Paragraph (3) of Subsection CCC of 20.11.61.7 NMAC at the time the PAL permit is being issued. When establishing the actuals PAL level for a CO_2 e-based PAL, only one consecutive 24-month period must be used to determine the baseline actual emissions for all existing emissions units. Emissions associated with units that were permanently shut down after this 24-month period must be subtracted from the PAL level. The department shall specify a reduced PAL level (in tpy CO_2 e) in the PAL permit to become effective on the future compliance date(s) of any applicable federal or state regulatory requirement(s) that the department is aware of prior to issuance of the PAL permit.

G. Contents of the PAL permit. The PAL permit shall contain, at a minimum, the following information.

(1) The PAL pollutant and the applicable source-wide emission limitation in tons per year or tpy CO_2 e.

(2) The PAL permit effective date and the expiration date of the PAL (PAL effective period).

(3) Specification in the PAL permit that if a major stationary source or a GHG-only source owner or operator applies to renew a PAL in accordance with Subsection J of 20.11.61.20 NMAC before the end of the PAL effective period, then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued by the department.

(4) A requirement that emission calculations for compliance purposes include emissions from startups, shutdowns and malfunctions.

(5) A requirement that, once the PAL expires, the major stationary source or GHG-only source is subject to the requirements of Subsection I of 20.11.61.20 NMAC.

(6) The calculation procedures that the major stationary source or GHG-only source owner or operator shall use to convert the monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total for each month as required by Paragraph (1) of Subsection M of 20.11.61.20 NMAC.

(7) A requirement that the major stationary source or GHG-only source owner or operator monitor all emissions units in accordance with the provisions under Subsection L of 20.11.61.20 NMAC.

(8) A requirement to retain the records required under Subsection M of 20.11.61.20 NMAC on site. Such records may be retained in an electronic format.

(9) A requirement to submit the reports required under Subsection N of 20.11.61.20 NMAC by the required deadlines.

(10) Any other requirements that the department deems necessary to implement and enforce the PAL.

(11) A permit for a GHG PAL issued to a GHG-only source shall also include a statement denoting that GHG emissions at the source will not be subject to regulation under Subsection CCC of 20.11.61.7 NMAC as long as the source complies with the PAL.

H. PAL effective period and reopening of the PAL permit.

(1) **PAL effective period.** The PAL effective period shall be 10 years.

(2) **Reopening of the PAL permit.**

(a) During the PAL effective period, the department shall reopen the PAL permit to:

(i) correct typographical/calculation errors made in setting the PAL or reflect a more accurate determination of emissions used to establish the PAL;

(ii) reduce the PAL if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets under 40 CFR 51.165(a)(3)(ii); and

(iii) revise the PAL to reflect an increase in the PAL as provided under Subsection K of 20.11.61.20 NMAC.

(b) The department may reopen the PAL permit for the following:

(i) to reduce the PAL to reflect newly applicable federal requirements (for example, NSPS) with compliance dates after the PAL effective date;

(ii) to reduce the PAL consistent with any other requirement, that is enforceable as a practical matter, and that the department may impose on the major stationary source or GHG-only source under the plan; and

(iii) to reduce the PAL if the department determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or to an adverse impact on an air quality related values (AQRV) that has been identified for a federal class I area by a federal land manager and for which information is available to the general public.

(c) Except for the permit reopening in Item (i) of Subparagraph (a) of Paragraph (2) of Subsection H of 20.11.61.20 NMAC for the correction of typographical/calculation errors that do not increase the PAL level, all reopenings shall be carried out in accordance with the public participation requirements of Subsection E of 20.11.61.20 NMAC.

I. Expiration of a PAL. Any PAL that is not renewed in accordance with the procedures in Subsection J of 20.11.61.20 NMAC shall expire at the end of the PAL effective period, and the requirements in Subsection I of 20.11.61.20 NMAC shall apply.

(1) Each emissions unit, or each group of emissions units, that existed under the PAL shall comply with an allowable emission limitation under a revised permit established according to the procedures in Paragraph (1) of Subsection I of 20.11.61.20 NMAC.

(a) Within the time frame specified for PAL renewals in Paragraph (2) of Subsection J of 20.11.61.20 NMAC, the major stationary source or GHG-only source shall submit a proposed allowable emission limitation for each emissions unit, (or each group of emissions units, if such a distribution is more appropriate as decided by the department), by distributing the PAL allowable emissions for the major stationary source or GHG-

only source among each of the emissions units that existed under the PAL. If the PAL had not yet been adjusted for an applicable requirement that became effective during the PAL effective period, as required under Paragraph (5) of Subsection J of 20.11.61.20 NMAC, such distribution shall be made as if the PAL had been adjusted.

(b) The department shall decide whether and how the PAL allowable emissions will be distributed and issue a revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as the department determines is appropriate.

(2) Each emissions unit(s) shall comply with the allowable emission limitation on a 12-month rolling basis. The department may approve the use of monitoring systems (source testing, emission factors, etc.) other than CEMS, CERMS, PEMS or CPMS to demonstrate compliance with the allowable emission limitation.

(3) Until the department issues the revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, as required under Subparagraph (b) of Paragraph (1) of Subsection I of 20.11.61.20 NMAC, the source shall continue to comply with a source-wide, multi-unit emissions cap equivalent to the level of the PAL emission limitation.

(4) Any physical change or change in the method of operation at the major stationary source or GHG-only source will be subject to major NSR requirements if such change meets the definition of major modification in Subsection II of 20.11.61.7 NMAC.

(5) The major stationary source owner or operator shall continue to comply with any state or federal applicable requirements (BACT, RACT, NSPS, etc.) that may have applied either during the PAL effective period or prior to the PAL effective period except for those emission limitations that had been established pursuant to Subsection D of 20.11.61.12 NMAC, but were eliminated by the PAL in accordance with the provisions in Subparagraph (c) of Paragraph (2) of Subsection A of 20.11.61.20 NMAC.

J. Renewal of a PAL.

(1) The department shall follow the procedures specified in Subsection E of 20.11.61.20 NMAC in approving any request to renew a PAL for a major stationary source or a GHG-only source, and shall provide both the proposed PAL level and a written rationale for the proposed PAL level to the public for review and comment. During such public review, any person may propose a PAL level for the source for consideration by the department.

(2) **Application deadline.** A major stationary source or GHG-only source owner or operator shall submit a timely application to the department to request renewal of a PAL. A timely application is one that is submitted at least six months prior to, but not earlier than 18 months from, the date of permit expiration. This deadline for application submittal is to ensure that the permit will not expire before the permit is renewed. If the owner or operator of a major stationary source or GHG-only source submits a complete application to renew the PAL within this time period, then the PAL shall continue to be effective until the revised permit with the renewed PAL is issued.

(3) **Application requirements.** The application to renew a PAL permit shall contain the following information.

(a) The information required in Subsection C of 20.11.61.20 NMAC.

(b) A proposed PAL level.

(c) The sum of the potential to emit of all emissions units under the PAL, with supporting documentation.

(d) Any other information the owner or operator wishes the department to consider in determining the appropriate level for renewing the PAL.

(4) **PAL adjustment.** In determining whether and how to adjust the PAL, the department shall consider the options outlined in Subparagraphs (a) and (b) of Paragraph (4) Subsection J of 20.11.61.20 NMAC. However, in no case may any such adjustment fail to comply with Subparagraph (c) of Paragraph 4 of Subsection J of 20.11.61.20 NMAC.

(a) If the emissions level calculated in accordance with Subsection F of 20.11.61.20 NMAC is equal to or greater than 80 percent of the PAL level, the department may renew the PAL at the same level without considering the factors set forth in Subparagraph (b) of Paragraph (4) of Subsection J of 20.11.61.20 NMAC; or

(b) the department may set the PAL at a level that it determines to be more representative of the source's baseline actual emissions, or that it determines to be appropriate considering air quality needs, advances in control technology, anticipated economic growth in the area, desire to reward or encourage the source's voluntary emissions reductions, or other factors as specifically identified by the department in its written rationale.

(c) Notwithstanding Subparagraphs (a) and (b) of Paragraph (4) of Subsection J of 20.11.61.20 NMAC:

(i) if the potential to emit of the major stationary source or GHG-only source is less than the PAL, the department shall adjust the PAL to a level no greater than the potential to emit of the source; and

(ii) the department shall not approve a renewed PAL level higher than the current PAL, unless the major stationary source or GHG-only source has complied with the provisions of Subsection K of 20.11.61.20 NMAC, *Increasing a PAL during the PAL effective period.*

(5) If the compliance date for a state or federal requirement that applies to the PAL source occurs during the PAL effective period, and if the department has not already adjusted for such requirement, the PAL shall be adjusted at the time of PAL permit renewal or Title V permit renewal, whichever occurs first.

K. Increasing a PAL during the PAL effective period.

(1) The department may increase a PAL emission limitation only if the major stationary source or GHG-only source complies with the following provisions.

(a) The owner or operator of the major stationary source or GHG-only source shall submit a complete application to request an increase in the PAL limit for a PAL major modification. Such application shall identify the emissions unit(s) contributing to the increase in emissions so as to cause the major stationary or GHG-only source's emissions to equal or exceed its PAL.

(b) As part of this application, the major stationary source or GHG-only source owner or operator shall demonstrate that the sum of the baseline actual emissions of the small emissions units, plus the sum of the baseline actual emissions of the significant and major emissions units assuming application of BACT equivalent controls, plus the sum of the allowable emissions of the new or modified emissions unit(s), exceeds the PAL. The level of control that would result from BACT equivalent controls on each significant or major emissions unit shall be determined by conducting a new BACT analysis at the time the application is submitted, unless the emissions unit is currently required to comply with a BACT or LAER requirement that was established within the preceding 10 years. In such a case, the assumed control level for that emissions unit shall be equal to the level of BACT or LAER with which that emissions unit must currently comply.

(c) The owner or operator obtains a major NSR permit for all emissions unit(s) identified in Subparagraph (a) of Paragraph (1) of Subsection B of 20.11.61.20 NMAC, regardless of the magnitude of the emissions increase resulting from them, that is, no significant levels apply. These emissions unit(s) shall comply with any emissions requirements resulting from the major NSR process, for example, BACT, even though they have also become subject to the PAL or continue to be subject to the PAL.

(d) The PAL permit shall require that the increased PAL level shall be effective on the day any emissions unit that is part of the PAL major modification becomes operational and begins to emit the PAL pollutant.

(2) The department shall calculate the new PAL as the sum of the allowable emissions for each modified or new emissions unit, plus the sum of the baseline actual emissions of the significant and major emissions units (assuming application of BACT equivalent controls as determined in accordance with Subparagraph (b) of Paragraph (1) of Subsection K of 20.11.61.20 NMAC), plus the sum of the baseline actual emissions of the small emissions units.

(3) The PAL permit shall be revised to reflect the increased PAL level pursuant to the public notice requirements of Subsection E of 20.11.61.20 NMAC.

L. Monitoring requirements for PALs.

(1) **General requirements.**

(a) Each PAL permit must contain enforceable requirements for the monitoring system that accurately determines plantwide emissions of the PAL pollutant in terms of mass per unit of time *or CO_2 e per unit of time.* Any monitoring system authorized for use in the PAL permit must be based on sound science and meet generally acceptable scientific procedures for data quality and manipulation. Additionally, the information generated by such system must meet minimum legal requirements for admissibility in a judicial proceeding to enforce the PAL permit.

(b) The PAL monitoring system must employ one or more of the four general monitoring approaches meeting the minimum requirements set forth in Paragraph (2) of Subsection L of 20.11.61.20 NMAC and must be approved by the department.

(c) Notwithstanding Subparagraph (b) of Paragraph (1) of Subsection L of 20.11.61.20 NMAC, you may also employ an alternative monitoring approach that meets Subparagraph (a) of Paragraph (1) of Subsection L of 20.11.61.20 NMAC if approved by the department.

(d) Failure to use a monitoring system that meets the requirements of 20.11.61.20 NMAC renders the PAL invalid.

(2) **Minimum performance requirements for approved monitoring approaches.** The following are acceptable general monitoring approaches when conducted in accordance with the minimum requirements in Paragraphs (3) through (9) of Subsection L of 20.11.61.20 NMAC:

(a) mass balance calculations for activities using coatings or solvents;

(b) CEMS;
(c) CPMS or PEMS; and
(d) emission factors.

(3) **Mass balance calculations.** An owner or operator using mass balance calculations to monitor PAL pollutant emissions from activities using coating or solvents shall meet the following requirements:

(a) provide a demonstrated means of validating the published content of the PAL pollutant that is contained in or created by all materials used in or at the emissions unit;

(b) assume that the emissions unit emits all of the PAL pollutant that is contained in or created by any raw material or fuel used in or at the emissions unit, if it cannot otherwise be accounted for in the process; and

(c) where the vendor of a material or fuel, which is used in or at the emissions unit, publishes a range of pollutant content from such material, the owner or operator must use the highest value of the range to calculate the PAL pollutant emissions unless the department determines there is site-specific data or a site-specific monitoring program to support another content within the range.

(4) **CEMS.** An owner or operator using CEMS to monitor PAL pollutant emissions shall meet the following requirements:

(a) CEMS must comply with applicable performance specifications found in 40 CFR part 60, Appendix B; and

(b) CEMS must sample, analyze, and record data at least every 15 minutes while the emissions unit is operating.

(5) **CPMS or PEMS.** An owner or operator using CPMS or PEMS to monitor PAL pollutant emissions shall meet the following requirements:

(a) the CPMS or the PEMS must be based on current site-specific data demonstrating a correlation between the monitored parameter(s) and the PAL pollutant emissions across the range of operation of the emissions unit; and

(b) each CPMS or PEMS must sample, analyze, and record data at least every 15 minutes, or at another less frequent interval approved by the department, while the emissions unit is operating.

(6) **Emission factors.** An owner or operator using emission factors to monitor PAL pollutant emissions shall meet the following requirements:

(a) all emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development;

(b) the emissions unit shall operate within the designated range of use for the emission factor, if applicable; and

(c) if technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within six months of PAL permit issuance, unless the department determines that testing is not required.

(7) A source owner or operator must record and report maximum potential emissions without considering enforceable emission limitations or operational restrictions for an emissions unit during any period of time that there is no monitoring data, unless another method for determining emissions during such periods is specified in the PAL permit.

(8) Notwithstanding the requirements in Paragraphs (3) through (7) of Subsection L of 20.11.61.20 NMAC, where an owner or operator of an emissions unit cannot demonstrate a correlation between the monitored parameter(s) and the PAL pollutant emissions rate at all operating points of the emissions unit, the department shall, at the time of permit issuance:

(a) establish default value(s) for determining compliance with the PAL based on the highest potential emissions reasonably estimated at such operating point(s); or

(b) determine that operation of the emissions unit during operating conditions when there is no correlation between monitored parameter(s) and the PAL pollutant emissions is a violation of the PAL.

(9) **Revalidation.** All data used to establish the PAL pollutant must be revalidated through performance testing or other scientifically valid means approved by the department. Such testing must occur at least once every five years after issuance of the PAL.

M. Recordkeeping requirements.

(1) The PAL permit shall require an owner or operator to retain a copy of all records necessary to determine compliance with any requirement of 20.11.61.20 NMAC and of the PAL, including a determination of each emissions unit's 12-month rolling total emissions, for five years from the date of such record.

(2) The PAL permit shall require an owner or operator to retain a copy of the following records, for the duration of the PAL effective period plus five years:

(a) a copy of the PAL permit application and any applications for revisions to the PAL; and

(b) each annual certification of compliance pursuant to 20.11.42 NMAC, *Operating Permits*, and the data relied on in certifying the compliance.

N. Reporting and notification requirements. The owner or operator shall submit semi-annual monitoring reports and prompt deviation reports to the department in accordance with 20.11.42 NMAC, *Operating Permits*. The reports shall meet the following requirements.

(1) **Semi-annual report.** The semi-annual report shall be submitted to the department within 30 days of the end of each reporting period. This report shall contain the following information.

(a) The identification of owner and operator and the permit number.

(b) Total annual emissions (expressed on a mass-basis in tons/year, or expressed in tpy CO_2 e) based on a 12-month rolling total for each month in the reporting period recorded pursuant to Paragraph (1) of Subsection M of 20.11.61.20 NMAC.

(c) All data relied upon, including, but not limited to, any quality assurance or quality control data, in calculating the monthly and annual PAL pollutant emissions.

(d) A list of any emissions units modified or added to the major stationary source or GHG-only source during the preceding six-month period.

(e) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken.

(f) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by method included in the permit, as provided by Paragraph (7) of Subsection L of 20.11.61.20 NMAC.

(g) A signed statement by the responsible official as defined by 20.11.42.7 NMAC certifying the truth, accuracy, and completeness of the information provided in the report.

(2) **Deviation report.** The major stationary source or GHG-only source owner or operator shall promptly submit reports of any deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted pursuant to 40 CFR 70.6(a)(3)(iii)(B) shall satisfy this reporting requirement. The deviation reports shall be submitted within the time limits prescribed by the applicable program implementing 40 CFR 70.6(a)(3)(iii)(B). The reports shall contain the following information:

(a) the identification of owner and operator and the permit number;

(b) the PAL requirement that experienced the deviation or that was exceeded;

(c) emissions resulting from the deviation or the exceedance; and

(d) a signed statement by the responsible official as defined by 20.11.42.7 NMAC certifying the truth, accuracy, and completeness of the information provided in the report.

(3) **Revalidation results.** The owner or operator shall submit to the department the results of any revalidation test or method within three months after completion of such test or method.

O. Transition requirements.

(1) The department may not issue a PAL that does not comply with the requirements of Subsections A through O of 20.11.61.20 NMAC after March 3, 2003.

(2) The department may supersede any PAL which was established prior to March 3, 2003 with a PAL that complies with the requirements of Subsections A through O of 20.11.61.20 NMAC.

[20.11.61.20 NMAC - N, 1/23/06; A, 8/30/10; A, 1/10/11; A, 5/13/13]

20.11.61.21 PUBLIC PARTICIPATION AND NOTIFICATION:

A. The department shall, within 30 days after receipt of an application, review such application and determine whether it is administratively complete or there is any deficiency in the application or information submitted. To be deemed administratively complete, the application must meet the requirements of 20.11.61.13 NMAC in addition to the requirements of 20.11.41 NMAC. If the application is deemed:

(1) administratively complete, a letter to that effect shall be sent by certified mail to the applicant;

(2) administratively incomplete, a letter shall be sent by certified mail to the applicant stating what additional information or points of clarification are necessary to deem the application administratively complete; upon receipt of the additional information or clarification, the department shall promptly review such information and determine whether the application is administratively complete;

(3) administratively complete but no permit is required, a letter shall be sent by certified mail to the applicant informing the applicant of the determination.

B. For purposes of determining minor source baseline date pursuant to 40 CFR 51:

(1) an application is complete when it contains all the information necessary for processing the application; designating an application complete for purposes of 40 CFR 51 does not preclude the department from requesting or accepting any additional information; and

(2) in the event that additional information is submitted to remedy any deficiency in the application or information submitted, the date of receipt of the application shall be the date on which the department received all required information.

C. Within one year after receipt of a complete application, the department shall:

(1) Make a preliminary determination whether construction should be approved, approved with conditions, or disapproved.

(2) Make available at the department district and local office nearest to the proposed source a copy of all materials the applicant submitted, a copy of the preliminary determination, and a copy or summary of other materials, if any, considered in making the preliminary determination.

(3) Notify the public by advertisement in a newspaper of general circulation in the area in which the proposed source would be constructed:

(a) of the application;

(b) the preliminary determination;

(c) the degree of increment consumption that is expected from the source or modification; and

(d) of the opportunity for comment at a public hearing as well as written public comment; the public comment period shall be for 30 days from the date of such advertisement.

(4) Send a copy of the notice of public comment to:

(a) the applicant;

(b) the administrator; and

(c) officials and agencies having jurisdiction over the location where the proposed construction would occur as follows: any other state or local air pollution control agencies; the chief executives of the city and county where the source would be located; any comprehensive regional land use planning agency; and any state, federal land manager, or Indian governing body whose lands may be affected by emissions from the source or modification.

(5) Provide opportunity for a public hearing for interested persons to appear and submit written or oral comments on the air quality impact of the source, alternatives to it, the control technology required, and other appropriate considerations.

(6) Consider all written comments submitted within a time specified in the notice of public comment and all comments received at any public hearing(s) in making a final decision on the approvability of the application. The department shall make all comments available for public inspection in the same locations where the department made available preconstruction information relating to the proposed source or modification.

(7) Within 180 days after an application is deemed administratively complete, unless the director grants an extension not to exceed 90 days for good cause:

(a) make a final determination of whether construction should be approved, approved with conditions, or disapproved; and

(b) notify the applicant in writing of the final determination and make such notification available for public inspection at the same location where the department made available preconstruction information and public comments relating to the source.

[20.11.61.21 NMAC - N, 1/23/06; A, 8/30/10]

20.11.61.22 STACK HEIGHT CREDIT: The department shall review all applications in accordance with the provisions of 20.11.43 NMAC, *Stack Heights Requirements*.

[20.11.61.22 NMAC - Rp, 20.11.61.19 NMAC, 1/23/06]

20.11.61.23 EXCLUSIONS FROM INCREMENT CONSUMPTION:

A. Following a public hearing, the director may exclude the following concentrations in determining compliance with a maximum allowable increase:

(1) concentrations attributable to the increase in emissions from stationary sources which have converted from the use of petroleum products, natural gas, or both by reason of an order in effect under Section 2 (a)

and (b) of the Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation), over the emissions from such sources before the effective date of such an order;

(2) concentrations attributable to the increase in emissions from sources which have converted from using natural gas by reason of natural gas curtailment plan in effect pursuant to the Federal Power Act, over the emissions from such sources before the effective date of such plan;

(3) concentrations of particulate matter attributable to the increase in emissions from construction or other temporary emission-related activities of new or modified sources;

(4) the increase in concentrations attributable to new sources outside the United States over the concentrations attributable to existing sources which are included in the baseline concentration; and

(5) concentrations attributable to the temporary increase in emissions of sulfur dioxide, particulate matter, or nitrogen oxides from stationary sources which are affected by plan revisions approved by the administrator as meeting the criteria specified in Subsection D of 20.11.61.23 NMAC.

B. If the plan provides that the concentrations to which Paragraph (1) or (2) of Subsection A of 20.11.61.23 NMAC refers, shall be excluded, it shall also provide that no exclusion of such concentrations shall apply more than five years after the effective date of the order to which Paragraph (1) of Subsection A of 20.11.61.23 NMAC refers, or the plan to which Paragraph (2) of Subsection A of 20.11.61.23 NMAC refers, whichever is applicable. If both such order and plan are applicable, no such exclusion shall apply more than five years after the later of such effective dates.

C. [Reserved]

D. For purposes of excluding concentrations pursuant to Paragraph (5) of Subsection A of 20.11.61.23 NMAC, the administrator may approve a plan revision that:

(1) specifies the time over which the temporary emissions increase of sulfur dioxide, particulate matter, or nitrogen oxides would occur such time is not to exceed 2 years in duration unless a longer time is approved by the administrator;

(2) specifies that the time period for excluding certain contributions in accordance with Paragraph (1) of Subsection D of 20.11.61.23 NMAC, is not renewable;

(3) allows no emissions increase from a stationary source which would:

(a) impact a class I area or an area where an applicable increment is known to be violated; or

(b) cause or contribute to the violation of a NAAQS;

(4) requires limitations to be in effect the end of the time period specified in accordance with Paragraph (1) of Subsection D of 20.11.61.23 NMAC, which would ensure that the emissions levels from stationary sources affected by the plan revision would not exceed those levels occurring from such sources before the plan revision was approved.

[20.11.61.23 NMAC - Rp, 20.11.61.21 NMAC, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.24 SOURCES IMPACTING FEDERAL CLASS I AREAS - ADDITIONAL REQUIREMENTS:

A. Notice to EPA. The department shall transmit to the administrator and the federal land manager a copy of each permit application relating to a major stationary source or major modification proposing to locate within 100 kilometers of any federal class I area. The complete permit application shall be transmitted within 30 days of receipt and 60 days prior to any public hearing on the application. The department shall include all relevant information in the permit application. Relevant information shall include an analysis of the proposed source's anticipated impacts on visibility in the federal class I area. The department shall consult with all affected federal land managers as to the completeness of the permit application and shall consider any analysis performed by the federal land manager concerning the impact of the proposed major stationary source or major modification on AQRV. This consideration shall include visibility, if such analysis is received within 30 days after the federal land manager receives a copy of the complete application. Additionally, the department shall notify any affected federal land manager within 30 days from the date the department receives a request for a pre-application meeting from a proposed source subject to 20.11.61 NMAC. Notice shall be provided to the administrator and federal land manager of every action related to the consideration of such permit. The department shall also provide the federal land manager and the administrator with a copy of the preliminary determination required under 20.11.61.21 NMAC and shall make available to them any materials used in making that determination. In any case where the department disagrees with the federal land manager's analysis of source impact on AQRV, the department shall, either explain its decision or give notice to the federal land manager as to where the explanation can be obtained. In the case where the department disagrees with the federal land manager's analysis, the department will also explain its

decision or give notice to the public by advertisement in a newspaper of general circulation in the area in which the proposed source would be constructed, as to where the decision can be obtained.

B. The department shall transmit to air quality control agencies of neighboring states and Indian governing bodies a copy of each permit application having the potential to affect federal class I areas or increment consumption in areas under their jurisdiction. The department shall also provide the affected air quality control agencies and Indian governing bodies with a copy of the preliminary determination required under 20.11.61.21 NMAC and shall make available to them any materials used in making that determination. The department shall include a provision for a 60 day comment period for the federal land managers before any public hearing on a permit application is held.

C. Denial - impact on AQRV: The federal land manager of any such lands may demonstrate to the department that the emissions from a proposed source or modification would have an adverse impact on the AQRV (including visibility), of those lands, notwithstanding that the change in air quality resulting from emissions from such proposed source or modification would not cause or contribute to concentrations which would exceed the maximum allowable increases for a federal class I area. If the department concurs with such demonstration, then the source shall not be issued a permit.

D. Class I waivers: The owner or operator of a proposed source or modification may demonstrate to the federal land manager that the emissions from such proposed source or modification would have no adverse impact on the AQRV of any such lands (including visibility), notwithstanding that the change in air quality resulting from emissions from such source or modification would cause or contribute to concentrations which would exceed the maximum allowable increases for a federal class I area. If the federal land manager concurs with such demonstration and so certifies to the department, the department may: *provided*, that the applicable requirements are otherwise met, issue the permit with such emission limitations as may be necessary to assure that emissions of sulfur dioxide, $PM_{2.5}$, PM_{10} and oxides of nitrogen would not exceed the maximum allowable increases over minor source baseline concentrations for such pollutants, as shown in Table 5 of 20.11.61.30 NMAC.

E. For the case where the federal land manager does not perform an impact analysis with respect to visibility impairment in a federal class I area, the department may perform such an analysis. The department shall not issue the source a permit if the department determines that an adverse impact on visibility would occur. The adverse impact must be due, primarily, to the operation of the proposed source or modification.

F. Sulfur dioxide waiver by governor with FLM concurrence: The owner or operator of a proposed major stationary source or major modification, which cannot be approved under Subsection D of 20.11.61.24 NMAC, may demonstrate to the governor that the source or modification cannot be constructed by reason of any maximum allowable increase for sulfur dioxide for a period of 24 hours or less applicable to any class I area and, in the case of federal mandatory class I areas, that a waiver from this requirement would not adversely affect the AQRV of the area (including visibility). The governor, after consideration of the federal land manager's recommendation (if any) and subject to his concurrence, may, after notice and public hearing, grant a waiver from such maximum allowable increase. If the waiver is granted, the department shall issue a permit to the owner or operator of the source or modification. Any owner or operator of a source or modification who obtains a permit under 20.11.61 NMAC shall comply with sulfur dioxide emissions limitations. These limitations do not allow increases of ambient concentrations, above the baseline concentration, to exceed the levels found in Table 6 of 20.11.61.31 NMAC for periods of 24 hours or less for more than 18 days, not necessarily consecutive, in any annual period.

G. Sulfur dioxide waiver by governor with the president's concurrence. In any case where the governor recommends a waiver in which the federal land manager does not concur, the recommendations of the governor and the federal land manager shall be transmitted to the president through the office of the governor. The president may approve the governor's recommendation if he finds that the waiver is in the national interest. If the waiver is approved, the department shall issue the permit. Any source or modification that obtains a permit under 20.11.61 NMAC shall comply with sulfur dioxide emissions limitations. These limitations do not allow increases in ambient concentrations, above the baseline concentration, to exceed the levels found in Table 6 of 20.11.61.31 NMAC for periods of 24 hours or less for more than 18 days, not necessarily consecutive, in any annual period.

[20.11.61.24 NMAC - Rp, 20.11.61.22 NMAC, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.25 RESTRICTIONS ON AREA CLASSIFICATIONS:

A. Mandatory federal class I areas:

(1) All of the following areas which were in existence on August 7, 1977, shall be class I areas and may not be redesignated:

(a) international parks (all of them);

(b) national wilderness areas which exceed 5,000 acres in size;
(c) national memorial parks which exceed 5,000 acres in size; and
(d) national parks which exceed 6,000 acres in size.

(2) **Specifically for New Mexico, these areas are:**
(a) Bandelier wilderness, administered by national park service (NPS);
(b) Bosque del Apache wilderness, administered by national fish and wildlife service (NFWS);
(c) Carlsbad caverns national park, administered by NPS;
(d) Gila wilderness, administered by national forest service (NFS);
(e) Pecos wilderness, administered by NFS;
(f) Salt Creek wilderness, administered by NFWS;
(g) San Pedro Parks wilderness, administered by NFS;
(h) Wheeler Peak wilderness, administered by NFS; and
(i) White Mountain wilderness, administered by NFS.

B. Areas which may be redesignated only as class I or class II:

(1) **The following areas may be redesignated only as class I or II:**
(a) an area which, as of August 7, 1977, exceeded 10,000 acres in size and was a national monument, national primitive area, national preserve, national recreational area, national wild and scenic river, national wildlife refuge; and
(b) a national park or national wilderness area established after August 7, 1977 which exceeds 10,000 acres in size.

(2) **Specifically for New Mexico, these areas include (but are not necessarily limited to):**
(a) Apache Kid wilderness, administered by national forest service (NFS);
(b) Bandelier national monument, administered by national park service (NPS);
(c) Bitter Lake national wildlife refuge, administered by national fish and wildlife service (NFWS);
(d) Blue Range wilderness, administered by NFS;
(e) Bosque del Apache national wildlife refuge, administered by NFWS;
(f) Capitan mountains wilderness, administered by NFS;
(g) Cebolla wilderness, administered by bureau of land management (BLM);
(h) Chama River Canyon wilderness, administered by NFS;
(i) Cruces Basin wilderness, administered by NFS;
(j) De-na-zin wilderness, administered by BLM;
(k) El Malpais national monument, administered by NPS;
(l) Latir Peak wilderness, administered by NFS;
(m) Manzano mountain wilderness, administered by NFS;
(n) San Andres national wildlife refuge, administered by NFWS;
(o) Sandia Mountain wilderness, administered by NFS;
(p) Sevilleta national wildlife refuge, administered by NFWS;
(q) West Malpais wilderness, administered by BLM;
(r) White Sands national monument, administered by NPS; and
(s) Withington Wilderness, administered by NFS.

[20.11.61.25 NMAC - Rp, 20.11.61.20 NMAC, 1/23/06; A, 8/30/10]

20.11.61.26 TABLE 1 - PSD SOURCE CATEGORIES:

A. Carbon black plants (furnace process).
B. Charcoal production plants.
C. Chemical process plants (the term chemical processing plant shall not include ethanol production facilities that produce ethanol by natural fermentation included in NAICS Codes 325193 or 312140).
D. Coal cleaning plants (with thermal dryers).
E. Coke oven batteries.
F. Fossil fuel boilers (or combinations thereof) totaling more than 250 million BTU/hr heat input.
G. Fossil fuel-fired steam electric plants of more than 250 million BTU/hr heat input.
H. Fuel conversion plants.
I. Glass fiber processing plants.
J. Hydrofluoric acid plants.
K. Iron and steel mills.

L. Kraft pulp mills.
M. Lime plants.
N. Municipal incinerators capable of charging more than 250 tons of refuse per day.
O. Nitric acid plants.
P. Petroleum refineries.
Q. Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels.
R. Phosphate rock processing plants.
S. Portland cement plants.
T. Primary aluminum ore reduction plants.
U. Primary copper smelters.
V. Primary lead smelters.
W. Primary zinc smelters.
X. Secondary metal production plants.
Y. Sintering plants.
Z. Sulfur recovery plants.
AA. Sulfuric acid plants.
BB. Taconite ore processing plants.

[20.11.61.26 NMAC - Rp, 20.11.61.23 NMAC, 1/23/06; A, 8/30/10]

20.11.61.27 TABLE 2 - SIGNIFICANT EMISSION RATES:

POLLUTANT		EMISSION RATE (TONS/YR)
Carbon monoxide		100
Fluorides		3
Lead		0.6
Municipal waste combustor:		
	Acid gases (measured as sulfur dioxide and hydrogen chloride)	40 (36 megagrams/year)
	Metals (measured as particulate matter)	15 (14 megagrams/year)
	Organics (measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans)	0.0000035 (0.0000032 megagrams/yr)
Municipal solid waste landfill emissions (measured as NMOC)		50 (45 megagrams/year)
Nitrogen oxides		40
Ozone		40 VOC or NOx
Particulate Matter:		
	Particulate matter emissions	25
	PM_{10} emissions	15
	$PM_{2.5}$ emissions	10 tpy of direct $PM_{2.5}$ emissions; 40 tpy of sulfur dioxide emissions; 40 tpy of nitrogen oxide emissions unless demonstrated not to be a $PM_{2.5}$ precursor under Subsection WW of 20.11.61.7 NMAC
Sulfur compounds		
	Hydrogen sulfide (H_2S)	10
	Reduced sulfur compounds (incl. H_2S)	10
	Sulfur dioxide	40
	Sulfuric acid mist	7
	Total reduced sulfur (incl. H_2S)	10
Any other regulated NSR pollutant that is not listed in this table		Any emission rate

Each regulated pollutant	Emission rate or net emissions increase associated with a major stationary source or major modification that causes an air quality impact of one microgram per cubic meter or greater (24-hr average) in any Class I Federal area located within 10 km of the source.

[20.11.61.27 NMAC - Rp, 20.11.61.24 NMAC, 1/23/06; A, 8/30/10; A, 1/10/11; A, 5/13/13]

20.11.61.28 TABLE 3 - SIGNIFICANT MONITORING CONCENTRATIONS:

POLLUTANT	AIR QUALITY CONCENTRATION micrograms per cubic meter ($\mu g/m^3$)	AVERAGING TIME
Carbon monoxide	575	8 hours
Fluorides	0.25	24 hours
Lead	0.1	3 months
Nitrogen dioxide	14	Annual
Ozone	**b**	
Particulate matter (PM_{10})	10	24 hours
Sulfur compounds		
Hydrogen sulfide (H_2S)	0.20	1 hour
Reduced sulfur compounds (incl. H_2S)	10	1 hour
Sulfur dioxide	13	24 hours
Sulfuric acid mist	**a**	
Total reduced sulfur (incl. H_2S)	10	1 hour

a - No acceptable monitoring techniques available at this time. Therefore, monitoring is not required until acceptable techniques are available.
b - No *de minimis* air quality level is provided for ozone. However, any net emissions increase of 100 tons per year or more of volatile organic compounds or nitrogen oxides subject to PSD would be required to perform an ambient impact analysis, including the gathering of ambient air quality data.

[20.11.61.28 NMAC - Rp, 20.11.61.25 NMAC, 1/23/06; A, 5/15/06; A, 8/30/10]

20.11.61.29 TABLE 4 - ALLOWABLE PSD INCREMENTS:

Pollutant	Maximum allowable increase micrograms per cubic meter ($\mu g/m^3$)		
	Class I	Class II	Class III
Nitrogen Dioxide			
annual arithmetic mean	2.5	25	50
Particulate Matter			
$PM_{2.5}$, annual arithmetic mean	1	4	8
$PM_{2.5}$, 24-hour maximum	2	9	18
PM_{10}, annual arithmetic mean	4	17	34
PM_{10}, 24-hour maximum	8[a]	30[a]	60[a]
Sulfur Dioxide			
annual arithmetic mean	2	20	40
24-hour maximum	5[a]	91[a]	182[a]
3-hour maximum	25[a]	512[a]	700[a]

a - Not to be exceeded more than once a year.

[20.11.61.29 NMAC - Rp, 20.11.61.26 NMAC, 1/23/06; A, 5/15/06; A, 8/30/10; A, 5/13/13]

20.11.61.30 TABLE 5 - MAXIMUM ALLOWABLE INCREASES FOR CLASS I VARIANCES:

Pollutant	Maximum allowable increase Micrograms per cubic meter ($\mu g/m^3$)
Nitrogen Dioxide	
annual arithmetic mean	25
Particulate Matter	
$PM_{2.5}$, annual arithmetic mean	4
$PM_{2.5}$, 24-hour maximum	9
PM_{10}, annual arithmetic mean	17
PM_{10}, 24-hour maximum	30
Sulfur Dioxide	
annual arithmetic mean	20
24-hour maximum	91
3-hour maximum	325

[20.11.61.30 NMAC - N, 1/23/06; A, 8/30/10; A, 5/13/13]

20.11.61.31 TABLE 6 - MAXIMUM ALLOWABLE INCREASE FOR SULFUR DIOXIDE WAIVER BY GOVERNOR:

Period of Exposure	Terrain Areas	
	Low	High
24-hr. maximum	36 $\mu g/m^3$	62 $\mu g/m^3$
3-hr. maximum	130 $\mu g/m^3$	221 $\mu g/m^3$

[20.11.61.31 NMAC - N, 1/23/06; A, 8/30/10]

HISTORY OF 20.11.61 NMAC:

Pre-NMAC History: The material in this part was derived from that previously filed with the commission of public records - state records center and archives.

Regulation No. 29, Prevention of Significant Deterioration, 1/3/85;
Regulation No. 29, Prevention of Significant Deterioration, 6/18/86;
Regulation No. 29, Prevention of Significant Deterioration, 3/16/89;
Regulation No. 29, Prevention of Significant Deterioration, 4/24/90;
Regulation No. 29, Prevention of Significant Deterioration, 2/26/93.

History of Repealed Material:

20 NMAC 11.61, Prevention of Significant Deterioration (filed 10/27/95) repealed 12/1/95.
20.11.61 NMAC, Prevention of Significant Deterioration (filed 8/30/02) repealed 1/23/06.

Other History:

Regulation No. 29, Prevention of Significant Deterioration, filed 2/26/93 renumbered, reformatted and replaced by 20 NMAC 11.61, Prevention of Significant Deterioration, filed 10/27/95.
20 NMAC 11.61, Prevention of Significant Deterioration, filed 10/27/95 replaced by 20 NMAC 11.61, Prevention of Significant Deterioration, filed 3/18/99.
20 NMAC 11.61, Prevention of Significant Deterioration, filed 3/18/99 renumbered, reformatted, amended, and replaced by 20.11.61 NMAC, Prevention of Significant Deterioration, effective 10/1/02.
20.11.61 NMAC, Prevention of Significant Deterioration (filed 8/30/02) was replaced by 20.11.61 NMAC, Prevention of Significant Deterioration, effective 1/23/06.