STATE OF NEW MEXICO
ENVIRONMENTAL IMPROVEMENT BOARD

IN THE MATTER OF PROPOSED NEW REGULATION,
20.2.50 NMAC – *Oil and Gas Sector – Ozone Precursor Pollutants* **No. EIB 21-27 (R)**

PETITION FOR REGULATORY CHANGE

Pursuant to Section 74-2-6 of the New Mexico Air Quality Control Act ("AQCA"), NMSA 1978, Sections 74-2-1 to -17, and the New Mexico Environmental Improvement Board's ("Board") Rulemaking Procedures at 20.1.1 NMAC, the New Mexico Environment Department ("Department" or "NMED") hereby petitions the Board to adopt 20.2.50 NMAC – *Oil and Gas Sector – Ozone Precursor Pollutants* ("Part 50"). The proposed regulation and the Statement of Reasons are attached to this Petition pursuant to 20.1.1.300.B NMAC. The Department requests that the Board consider the Petition at its regularly scheduled meeting on May 28, 2021.

Hearing Date, Schedule, and Hearing Officer

The Department requests that the Board docket this matter and schedule a public hearing to begin September 20, 2021. The Department expects the public hearing to last approximately two (2) weeks, depending on the level and extent of public involvement and participation. The Department has engaged in significant pre-petition stakeholder and public outreach, as described below, to help expedite the public hearing and rule adoption process.

In order to facilitate the hearing process, the Department requests that the Board set a schedule for pre-filed technical testimony, with pre-filed direct testimony due on July 28, 2021, and pre-filed rebuttal testimony due on September 6, 2021.

The Department also requests that the Board appoint a Hearing Officer, pursuant to 20.1.1.107(B) NMAC, and authorize the Hearing Officer to manage the pre-hearing process, adopt

procedural orders governing the proceedings, and prepare any post-hearing recommendations for the Board at the Board's request. Due to the complexity of the procedural, technical, and legal issues that are likely to arise in this rulemaking and the anticipated level of stakeholder and public involvement, the Department requests that the Board appoint an experienced Administrative Hearing Officer to conduct the rulemaking proceeding. Doing so will allow all Board members to devote their full attention to the substantive testimony and comment, and will help prevent potential procedural challenges to any final regulation adopted by the Board.

A proposed *Notice of Hearing Determination and Appointment of Hearing Officer* is attached hereto.

Pre-Petition Stakeholder and Public Outreach

The proposed regulation is part of two significant environmental initiatives in New Mexico. The first is the Department's Ozone Attainment Initiative ("OAI"), which is aimed at ensuring that the State is able to maintain compliance with the National Ambient Air Quality Standards ("NAAQS") for ozone. The second initiative is pursuant to Governor Michelle Lujan Grisham's Executive Order 2019-003, which directs NMED and the New Mexico Energy, Minerals, and Natural Resources Department ("EMNRD") to "jointly develop a statewide, enforceable regulatory framework to secure reductions in oil and gas sector methane emissions and to prevent waste from new and existing sources". Regulations developed under the OAI to reduce emissions of ozone precursor pollutants will have the co-benefit of reducing methane emissions because methane is released along with volatile organic compounds in oil and gas operations. Thus, the Department worked in close coordination with EMNRD in developing Part 50, and the agencies endeavored to align their respective regulatory regimes as much as possible to avoid duplicative or conflicting requirements.

Beginning in the summer of 2019, the Department began an extensive stakeholder and public outreach process for its Ozone Attainment Initiative and the NMED/EMNRD joint Methane Strategy. In June through August of 2019, NMED and EMNRD held numerous meetings throughout the State to provide information regarding the need for the regulatory initiatives and the relevant authorities for the regulatory actions; to hear input from stakeholders and members of the public; and to answer questions regarding the rulemaking process.

The agencies also convened a Methane Advisory Panel ("MAP"), consisting of technical stakeholders focusing on processes and equipment associated with oil and gas exploration, production, gathering, and processing. The MAP was comprised of 27 members with expertise in various parts of the oil and gas industry, and included local and national environmental nongovernmental organizations as well as major and independent industry representatives from the upstream and midstream sectors. Additional expertise was provided by representatives from Los Alamos National Laboratory, Colorado State University, and the New Mexico Institute of Mining and Technology. The MAP met every other week over a four-month period and covered technical topics related to controlling VOC and methane emissions from equipment and operations employed in the oil and natural gas sector. Draft topic reports and all meeting presentations from the MAP meetings were posted online on both agencies' websites. In December of 2019, the MAP released a technical report for public review and input, and the agencies accepted comments on the report through February 20, 2020.

On July 20, 2020, NMED released a preliminary draft of its ozone precursor regulation for the purpose of soliciting public and stakeholder input. In August of 2020, the Department met with stakeholder groups and held a public listening session during which participants were encouraged to provide both verbal and written feedback. The Department accepted written comments on the

preliminary draft through September 20, 2020. A total of 524 written comments were received during the two-month comment period. From September 2020 through May 2021, the Department reviewed the input received from stakeholders and the public, and made substantial revisions to the regulation based on that input.

The proposed draft regulation that accompanies this Petition is the result of this two-year process of extensive public and stakeholder outreach and engagement, all of which is in addition to the public hearing process provided for by the Board's rulemaking procedures at 20.1.1 NMAC. Following the filing of this Petition, the Department will continue to work diligently beyond the requirements of those procedures to communicate and work with stakeholders and the public regarding the proposed regulation and the hearing process to ensure that everyone who has an interest in the rules can participate in the rulemaking process to the fullest extent possible.

Respectfully submitted,

NEW MEXICO ENVIRONMENT DEPARTMENT

/s/ *Lara Katz*

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Attachments:

Proposed Notice of Hearing Determination and Appointment of Hearing Officer

Proposed Part 20.2.50 NMAC – Oil and Gas Sector – Ozone Precursor Pollutants

Statement of Reasons for Proposed Part 20.2.50 NMAC

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing New Mexico Environment Department's Petition for Regulatory Change was served via electronic mail to the following parties on May 6, 2021:

Pamela Jones
Hearing Administrator
Environmental Improvement Board
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Administrator for the Environmental Improvement Board

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/s/ *Lara Katz*
Lara Katz

STATE OF NEW MEXICO
ENVIRONMENTAL IMPROVEMENT BOARD

IN THE MATTER OF PROPOSED NEW REGULATION,
20.2.50 NMAC – *Oil and Gas Sector – Ozone Precursor Pollutants* **No. EIB 21-27 (R)**

[Proposed] NOTICE OF HEARING DETERMINATION
AND HEARING OFFICER APPOINTMENT

Pursuant to 20.1.1.300.D NMAC, the Environmental Improvement Board hereby grants the request of the New Mexico Environment Department to set the Petition for Regulatory Change in the above-captioned matter for hearing, and ORDERS as follows:

1. The public hearing in this matter shall commence on September 20, 2021, and continue day-to-day until completed.

2. The Department and any person intending to present direct technical testimony pursuant to 20.1.1.302 NMAC shall submit their notices of intent to present direct technical testimony, including full written testimony and exhibits, no later than July 28, 2021.

3. Rebuttal testimony shall be submitted prior to the hearing pursuant to 20.1.1.302.B NMAC. All parties shall submit their notices of intent to present rebuttal testimony, including full written testimony and exhibits, no later than September 6, 2021.

4. The Board appoints _____to serve as hearing officer in this matter pursuant to 20.1.1107 NMAC.

Date:

_____
Phoebe Suina, Chair
Environmental Improvement Board

TITLE 20 ENVIRONMENTAL PROTECTION
CHAPTER 2 AIR QUALITY (STATEWIDE)
PART 50 OIL AND GAS SECTOR – OZONE PRECURSOR POLLUTANTS

20.2.50.1 ISSUING AGENCY: Environmental Improvement Board.
[20.2.50.1 NMAC – N, XX/XX/2021]

20.2.50.2 SCOPE: This Part applies to sources located within areas of the state under the board's jurisdiction that, as of the effective date of this rule or anytime thereafter, are causing or contributing to ambient ozone concentrations that exceed ninety-five percent of the national ambient air quality standard for ozone, as measured by a design value calculated and based on data from one or more department monitors. Once a source becomes subject to this rule, the requirements of the rule are irrevocably effective unless the source obtains a federally enforceable air permit limiting the potential to emit to below such applicability thresholds established in this Part.
[20.2.50.2 NMAC – N, XX/XX/2021]

20.2.50.3 STATUTORY AUTHORITY: Environmental Improvement Act, Section 74-1-1 to 74-1-16 NMSA 1978, including specifically Paragraph (4) and (7) of Subsection A of Section 74-1-8 NMSA 1978, and Air Quality Control Act, Sections 74-2-1 to 74-2-22 NMSA 1978, including specifically Subsections A, B, C, D, F, and G of Section 74-2-5 NMSA 1978 (as amended through 2021).
[20.2.50.3 NMAC - N, XX/XX/2021]

20.2.50.4 DURATION: Permanent.
[20.2.50.4 NMAC - N, XX/XX/2021]

20.2.50.5 EFFECTIVE DATE: Month XX, 2021, except where a later date is specified in another Section.
[20.2.50.5 NMAC - N, XX/XX/2021]

20.2.50.6 OBJECTIVE: The objective of this Part is to establish emission standards for volatile organic compounds (VOC) and oxides of nitrogen (NO_x) for oil and gas production, processing, and transmission sources.
[20.2.50.6 NMAC - N, XX/XX/2021]

20.2.50.7 DEFINITIONS: In addition to the terms defined in 20.2.2 NMAC - Definitions, as used in this Part, the following definitions apply.

A. "Approved instrument monitoring method" means an optical gas imaging, United States environmental protection agency (U.S. EPA) reference method 21 (RM21) (40 CFR 60, Appendix B), or other instrument-based monitoring method or program approved by the department in advance and in accordance with 20.2.50 NMAC.

B. "Auto-igniter" means a device that automatically attempts to relight the pilot flame in the combustion chamber of a control device in order to combust VOC emissions, or a device that will automatically attempt to combust the VOC emission stream.

C. "Bleed rate" means the rate in standard cubic feet per hour at which natural gas is continuously or intermittently vented from a pneumatic controller.

D. "Calendar year" means a year beginning January 1 and ending December 31.

E. "Centrifugal compressor" means a machine used for raising the pressure of natural gas by drawing in low-pressure natural gas and discharging significantly higher-pressure natural gas by means of a mechanical rotating vane or impeller. Screw, sliding vane, and liquid ring compressor is not a centrifugal compressor.

F. "Closed vent system" means a system that is designed, operated, and maintained to route the VOC emissions from a source or process to a process stream or control device with no loss of VOC emissions to the atmosphere.

G. "Commencement of operation" means for an oil and natural gas wellhead, the date any permanent production equipment is in use and product is consistently flowing to a sales lines, gathering line or storage vessel from the first producing well at the stationary source, but no later than the end of well completion operation.

H. "Component" means a pump seal, flange, pressure relief device (including thief hatch or other

opening on a storage vessel), connector or valve that contains or contacts a process stream with hydrocarbons, except for components where process streams consist solely of glycol, amine, produced water or methanol.

I. "Connector" means flanged, screwed, or other joined fittings used to connect pipe line segments, tubing, pipe components (such as elbows, reducers, "T's" or valves) to each other; or a pipe line to a piece of equipment; or an instrument to a pipe, tube or piece of equipment. A common connector is a flange. Joined fittings welded completely around the circumference of the interface are not considered connectors for the purpose of this Part.

J. "Construction" means fabrication, erection, installation or relocation of a stationary source, including but not limited to temporary installations and portable stationary sources.

K. "Custody transfer" means the transfer of oil or natural gas after processing or treatment in the producing operation, or from a storage vessel or automatic transfer facility or other processing or treatment equipment including product loading racks, to a pipeline or any other form of transportation.

L. "Control device" means air pollution control equipment or emission reduction technologies that thermally combust, chemically convert, or otherwise destroy or recover air contaminants. Examples of control devices include but are not limited to open flares, enclosed combustion devices (ECDs), thermal oxidizers (TOs), vapor recovery units (VRUs), fuel cells, condensers, air fuel ratio controllers (AFRs), catalytic converters (oxidative, selective, and non-selective), or other emission reduction equipment. A control device may also include any other air pollution control equipment or emission reduction technologies approved by the department to comply with emission standards in this Part.

M. "Department" means the New Mexico environment department.

N. "Downtime" means the period of time when equipment is not in operation, or when a well is producing, and the control device is not in operation.

O. "Enclosed combustion device" means a combustion device where gaseous fuel is combusted in an enclosed chamber. This may include, but is not limited to an enclosed flare, reboiler, and heater.

P. "Existing" means constructed or reconstructed before the effective date of this Part and has not since been modified or reconstructed.

Q. "Gathering and boosting station" means a permanent combination of equipment that collects or moves natural gas, crude oil, condensate, or produced water between a wellhead site and a midstream oil and natural gas collection or distribution facility, such as a storage vessel battery or compressor station, or into or out of storage.

R. "Glycol dehydrator" means a device in which a liquid glycol absorbent, including ethylene glycol, diethylene glycol, or triethylene glycol, directly contacts a natural gas stream and absorbs water.

S. "Hydrocarbon liquid" means any naturally occurring, unrefined petroleum liquid and can include oil, condensate, and intermediate hydrocarbons.

T. "Liquid unloading" means the removal of accumulated liquid from the wellbore that reduces or stops natural gas production.

U. "Liquid transfer" means the loading and unloading of a hydrocarbon liquid or produced water between a storage vessel and tanker truck or tanker rail car for transport.

V. "Local distribution company custody transfer station" means a metering station where the local distribution (LDC) company receives a natural gas supply from an upstream supplier, which may be an interstate transmission pipeline or a local natural gas producer, for delivery to customers through the LDC's intrastate transmission or distribution lines.

W. "Natural gas compressor station" means one or more compressors designed to compress natural gas from well pressure to gathering system pressure before the inlet of a natural gas processing plant, or to move compressed natural gas through a transmission pipeline.

X. "Natural gas-fired heater" means an enclosed device using a controlled flame and with a primary purpose to transfer heat directly to a process material or to a heat transfer material for use in a process.

Y. "Natural gas processing plant" means the processing equipment engaged in the extraction of natural gas liquid from natural gas or fractionation of mixed natural gas liquid to a natural gas product, or both. A Joule-Thompson valve, a dew point depression valve, or an isolated or standalone Joule-Thompson skid is not a natural gas processing plant.

Z. "New" means constructed or reconstructed on or after the effective date of this Part.

AA. "Operator" means the person or persons responsible for the overall operation of a stationary source.

BB. "Optical gas imaging (OGI)" means an imaging technology that utilizes a high-sensitivity infrared camera designed for and capable of detecting hydrocarbons.

CC. "Owner" means the person or persons who own a stationary source or part of a stationary source.

DD. "Permanent pit" means a pit used for collection, retention, or storage of produced water or brine and is installed for longer than one year.

EE. "Pneumatic controller" means an instrument that is actuated using pressurized gas and used to control or monitor process parameters such as liquid level, gas level, pressure, valve position, liquid flow, gas flow, and temperature.

FF. "Pneumatic diaphragm pump" means a positive displacement pump powered by pressurized natural gas that uses the reciprocating action of flexible diaphragms in conjunction with check valves to pump a fluid. A pump in which a fluid is displaced by a piston driven by a diaphragm is not considered a diaphragm pump. A lean glycol circulation pump that relies on energy exchange with the rich glycol from the contactor is not considered a diaphragm pump.

GG. "Potential to emit (PTE)" means the maximum capacity of a stationary source to emit an air contaminant under its physical and operational design. The physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and a restriction on the 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 limitation is federally enforceable. The PTE for nitrogen dioxide shall be based on total oxides of nitrogen.

HH. "Produced water" means a fluid that is an incidental byproduct from drilling for or the production of oil and gas.

II. "Produced water management unit" means a recycling facility or a permanent pit that is a natural topographical depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to accumulate produced water and has a design storage capacity equal to or greater than 50,000 barrels.

JJ. "Qualified Professional Engineer" means an individual who is licensed by a state as a professional engineer to practice one or more disciplines of engineering and who is qualified by education, technical knowledge, and experience to make the specific technical certifications required under this Part.

KK. "Reciprocating compressor" means a piece of equipment that increases the pressure of process gas by positive displacement, employing linear movement of a piston rod.

LL. "Reconstruction" means a modification that results in the replacement of the components or addition of integrally related equipment to an existing source, to such an extent that the fixed capital cost of the new components or equipment exceeds fifty percent of the fixed capital cost that would be required to construct a comparable entirely new facility.

MM. "Recycling facility" means a stationary or portable facility used exclusively for the treatment, re-use, or recycling of produced water and does not include oilfield equipment such as separators, heater treaters, and scrubbers in which produced water may be used.

NN. "Responsible official" means one of the following:

(1) for a corporation: president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of the corporation if the representative is responsible for the overall operation of the source.

(2) for a partnership or sole proprietorship: a general partner or the proprietor, respectively.

OO. "Small business facility" means, for the purposes of this Part, a source that is independently owned or operated by a company that is a not a subsidiary or a division of another business, that employs no more than 10 employees at any time during the calendar year, and that has a gross annual revenue of less than $250,000. Employees include part-time, temporary, or limited service workers.

PP. "Startup" means the setting into operation of air pollution control equipment or process equipment.

QQ. "Stationary Source" or **"source"** means any building, structure, equipment, facility, installation (including temporary installations), operation, process, or portable stationary source that emits or may emit any air contaminant. Portable stationary source means a source that can be relocated to another operating site with limited dismantling and reassembly.

RR. "Storage vessel" means a single tank or other vessel that is designed to contain an accumulation of hydrocarbon liquid or produced water and is constructed primarily of non-earthen material including wood, concrete, steel, fiberglass, or plastic, which provide structural support, or a process vessel such as a surge control vessel, bottom receiver, or knockout vessel. A well completion vessel that receives recovered liquid from a well after commencement of operation for a period that exceeds 60 days is considered a storage vessel. A storage vessel does not include a vessel that is skid-mounted or permanently attached to a mobile source and located at the site for

less than 180 consecutive days, such as a truck railcar, or a pressure vessel designed to operate in excess of 204.9 kilopascals without emissions to the atmosphere.

SS. "Well workover" means the repair or stimulation of an existing production well for the purpose of restoring, prolonging, or enhancing the production of hydrocarbons.

TT. "Wellhead site" means the equipment directly associated with one or more oil wells or natural gas wells upstream of the natural gas processing plant. A wellhead site may include equipment used for extraction, collection, routing, storage, separation, treating, dehydration, artificial lift, combustion, compression, pumping, metering, monitoring, and product piping.

[20.2.50.7 NMAC - N, XX/XX/2021]

20.2.50.8 SEVERABILITY: If any provision of this Part, or the application of this provision to any person or circumstance is held invalid, the remainder of this Part, or the application of this provision to any person or circumstance other than those as to which it is held invalid, shall not be affected thereby.

[20.2.50.8 NMAC - N, XX/XX/2021]

20.2.50.9 CONSTRUCTION: This Part shall be liberally construed to carry out its purpose.

[20.2.50.9 NMAC - N, XX/XX/2021]

20.2.50.10 SAVINGS CLAUSE: Repeal or supersession of prior versions of this Part shall not affect administrative or judicial action initiated under those prior versions.

[20.2.50.10 NMAC - N, XX/XX/2021]

20.2.50.11 COMPLIANCE WITH OTHER REGULATIONS: Compliance with this Part does not relieve a person from the responsibility to comply with other applicable federal, state, or local laws, rules or regulations, including more stringent controls.

[20.2.50.11 NMAC - N, XX/XX/2021]

20.2.50.12 DOCUMENTS: Documents incorporated and cited in this Part may be viewed at the New Mexico environment department, air quality bureau.

[20.2.50.12 NMAC - N, XX/XX/2021]

[The Air Quality Bureau is located at 525 Camino de los Marquez, Suite 1, Santa Fe, New Mexico 87505.]

20.2.23.13-20.2.23.110 [**RESERVED**]

20.2.50.111 APPLICABILITY:

A. This Part applies to crude oil and natural gas production and processing equipment and operations that extract, collect, separate, dehydrate, store, process, transport, transmit, or handle hydrocarbon liquid or produced water in the areas specified in 20.2.50.2 NMAC and are located at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, and transmission compressor stations, up to the point of the local distribution company custody transfer station.

B. In determining if any source is subject to this Part, including a small business facility as defined in this Part, the owner or operator shall calculate the Potential to Emit (PTE) of such source and shall have the PTE calculation certified by a qualified professional engineer. The calculation shall be kept on file for a minimum of five years and shall be provided to the department upon request.

C. An owner or operator of a small business facility as defined in this Part shall comply with the requirements of this Part as specified in 20.2.50.125 NMAC.

D. Oil refinery and transmission pipelines are not subject to this Part.

[20.2.50.111 NMAC - N, XX/XX/2021]

20.2.50.112 GENERAL PROVISIONS:

A. General requirements:

(1) Sources subject to emissions standards and requirements under this Part shall be operated and maintained consistent with manufacturer specifications, and good engineering and maintenance practices. The owner or operator shall keep manufacturer specifications and maintenance practices on file and make them available upon request by the department. For sources constructed prior to 1980 for which no manufacturer specifications and maintenance practices are available, the owner or operator shall develop and follow a maintenance schedule

sufficient to operate and maintain such units in good working order. The owner or operator shall keep such maintenance schedules on file and make them available to the department upon request.

(2) Sources subject to emission standards or requirements under this Part shall be operated to minimize emissions of air contaminants, including VOC and NO_x.

(3) Within two years of the effective date of this Part, owners and operators of a source requiring an Equipment Monitoring Tag (EMT) shall physically tag each unit with an EMT, the format of which shall be either RFID, QR, or bar code such that, when scanned it provides a unique identifier of the source. This unique identifier shall act as an index to the source's record of the data required by this Part. The EMT shall be maintained by the owner or operator, and data in the EMT shall provide at a minimum, the following information:

(a) unique unit identification number;

(b) location of the source;

(c) type of source (e.g., tank, VRU, dehydrator, pneumatic controller, etc.);

(d) for each source, the VOC (and NO_x, if applicable) PTE in lbs./hr. and tpy;

(e) for a control device, the controlled VOC and NO_x PTE in lbs./hr. and tpy;

(f) make, model, and serial number; and

(g) a link to the manufacturer's maintenance schedule or repair recommendations.

(4) The EMT shall be installed and maintained by the owner or operator of the facility.

(5) The EMT shall be of a format scannable by an owner or operator's authorized representatives and, upon scanning, shall provide unique identifier that shall index the source's record of the data required by this Part.

(6) The owner or operator shall manage the source's record of data in a database that is able to generate a Compliance Database Report (CDR). The CDR is an electronic report generated by the owner or operator's database and submitted to the department upon request. The format of the CDR shall be determined by the department.

(7) The CDR is a report distinct from the owner or operator's database. The department does not require access to the owner or operator's database, only the CDR.

(8) If read by the owner or operator's authorized representative, the EMT shall access the owner or operator's database record for that source.

(9) The owner or operator shall contemporaneously track each compliance event for each source subject to the EMT requirements of this Part, and shall comply with the following:

(a) data gathered during each monitoring or testing event shall be contemporaneously uploaded into the database as soon as practicable, but no later than three business days of each compliance event.

(b) data required by this Part shall be maintained in the database for at least five years.

(10) The department may request that an owner or operator retain a third party at their own expense to verify any data or information collected, reported, or recorded pursuant to this Part, and make recommendations to correct or improve the collection of data or information. The owner or operator shall submit a report of the verification and any recommendations made by the third party to the department by a date specified and implement the recommendations in the manner approved by the department.

B. Monitoring requirements:

(1) Sources subject to emission standards and monitoring (e.g. inspection, testing, parametric monitoring) requirements under this Part shall be inspected monthly to ensure proper maintenance and operation, unless a different schedule is specified in the Section applicable to that source type. If the equipment is shut down at the time of required periodic testing, monitoring, or inspection, the owner or operator shall not be required to restart the unit for the sole purpose of performing the testing, monitoring, or inspection, but shall note the shut down in the records kept for that equipment for that monitoring event.

(2) An owner or operator may submit for the department's review and approval an equally effective, enforceable, and equivalent alternative monitoring strategy. Such requests shall be made on an application form provided by the department. The department shall issue a letter approving or denying the requested alternative monitoring strategy. An owner or operator shall comply with the default monitoring requirements required under the applicable Section and shall not operate under an alternative monitoring strategy until it has been approved by the department.

(3) Each monitoring event (e.g. testing, inspection, parametric monitoring) shall be initiated by an initial scanning of the EMT, the results of which shall then be directly uploaded into the database or temporarily into the handheld or other device. Upon completion of the monitoring event, a final scanning of the

EMT shall terminate the monitoring event. At a minimum, the uploaded data shall include:

(a) date and time of the testing, monitoring, or inspection event;

(b) name of the personnel conducting the testing, monitoring, or inspection;

(c) identification number and type of unit;

(d) a description of any maintenance or repair activity conducted; and

(e) results of testing, monitoring, or inspection as required under this Part.

C. Recordkeeping requirements:

(1) Within three business days of a monitoring event, an electronic record shall be made of the monitoring event and shall include the following data:

(a) date and time of the testing, monitoring, or inspection event;

(b) name of the personnel conducting the testing, monitoring, or inspection;

(c) identification number and type of unit;

(d) a description of any maintenance or repair activity conducted; and

(e) results of any testing, monitoring, or inspections required under this Part.

(2) The owner or operator shall keep an electronic record required by this Part for five years. The department may treat loss of data or failure to maintain a record, including failure to transfer a record upon sale or transfer of ownership or operating authority, as a failure to collect the data.

(3) Before the transfer of ownership of equipment subject to this Part, the current owner or operator shall conduct and document a full compliance evaluation of such equipment. The documentation shall include a certification by a responsible official as to whether the equipment is in compliance with the requirements of this Part. The compliance determination shall be conducted no earlier than three months before the transfer of ownership. The owner or operator shall keep the full compliance evaluation and certification by the responsible official for for five years.

D. Reporting requirements: Within 24 hours of a request by the department, the owner or operator shall for each unit subject to the request, provide the requested information either by electronically submitting a CDR to the department's Secure Extranet Portal (SEP), or by other means and formats specified by the department in its request.

[20.2.50.112 NMAC - N, XX/XX/2021]

20.2.50.113 ENGINES AND TURBINES:

A. Applicability: Portable and stationary natural gas-fired spark ignition engines, compression ignition engines, and natural gas-fired combustion turbines located at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, and transmission compressor stations, with a rated horsepower greater than the horsepower ratings of Table 1, 2, and 3 of 20.2.50.113 NMAC are subject to the requirements of 20.2.50.113 NMAC.

B. Emission standards:

(1) The owner or operator of a portable or stationary natural gas-fired spark-ignition engine, compression ignition engine, or natural gas-fired combustion turbine shall ensure compliance with the emission standards by the dates specified in Subsection B of 20.2.50.113 NMAC.

(2) The owner or operator of an existing natural gas-fired spark-ignition engine shall complete an inventory of all existing engines by January 1, 2023, and shall prepare a schedule to ensure that each existing engine does not exceed the emission standards in table 1 of Paragraph (2) of Subsection B of 20.2.50.113 NMAC as follows:

(a) by January 1, 2025, the owner or operator shall ensure at least thirty percent of the company's existing engines meet the emission standards.

(b) by January 1, 2027, the owner or operator shall ensure at least an additional thirty-five percent of the company's existing engines meets the emission standards.

(c) by January 1, 2029, the owner or operator shall ensure that the remaining thirty-five percent of the company's existing engines meets the emission standards.

(d) in lieu of meeting the emission standards for an existing natural gas-fired spark ignition engine, an owner or operator may reduce the annual hours of operation of an engine such that the annual NOx and VOC emissions are reduced by at least ninety-five percent per year.

Table 1 - EMISSION STANDARDS FOR NATURAL GAS-FIRED SPARK-IGNITION ENGINES CONSTRUCTED, RECONSTRUCTED, OR INSTALLED BEFORE THE EFFECTIVE DATE OF 20.2.50 NMAC.

Engine Type	Rated bhp	NO_x	CO	NMNEHC (as propane)
Lean-burn	>1,000	0.50 g/bhp-hr	47 ppmvd @ 15% O_2 or 93% reduction	0.70 g/bhp-hr
Rich-burn	>1,000	0.50 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr

(3) The owner or operator of a new natural gas-fired spark ignition engine shall ensure the engine does not exceed the emission standards in table 2 of Paragraph (3) of Subsection B of 20.2.50.113 NMAC upon startup.

Table 2 - EMISSION STANDARDS FOR NATURAL GAS-FIRED SPARK-IGNITION ENGINES CONSTRUCTED, RECONSTRUCTED, OR INSTALLED AFTER THE EFFECTIVE DATE OF 20.2.50 NMAC.

Engine Type	Rated bhp	NO_x	CO	NMNEHC (as propane)
Lean-burn	>500 - <1,000	0.50 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr
Lean-burn	≥1,000	0.30 g/bhp-hr uncontrolled or 0.05 g/bhp-hr with control	0.60 g/bhp-hr	0.70 g/bhp-hr
Rich-burn	>500	0.50 g/bhp-hr	0.60 g/bhp-hr	0.70 g/bhp-hr

(4) The owner or operator of a natural gas-fired spark ignition engine with NO_x emission control technology that uses ammonia or urea as a reagent shall ensure that the exhaust ammonia slip is limited to 10 ppmvd or less, corrected to fifteen percent oxygen.

(5) The owner or operator of a compression ignition engine shall ensure compliance with the following emission standards:

(a) a new portable or stationary compression ignition engine with a maximum design power output equal to or greater than 500 horsepower that is not subject to the emission standards under Subparagraph (b) of Paragraph (5) of Subsection B of 20.2.50.113 NMAC shall limit NO_x emissions to not more than nine g/bhp-hr upon startup.

(b) a stationary compression ignition engine that is subject to and complying with Subpart IIII of 40 CFR Part 60, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, is not subject to the requirements of Subparagraph (a) of Paragraph (5) of Subsection B of 20.2.50.113 NMAC.

(6) The owner or operator of a portable or stationary compression ignition engine with NO_x emission control technology that uses ammonia or urea as a reagent shall ensure that the exhaust ammonia slip is limited to 10 ppmvd or less, corrected to fifteen percent oxygen.

(7) The owner or operator of a stationary natural gas-fired combustion turbine with a maximum design rating equal to or greater than 1,000 bhp shall comply with the applicable emission standards for an existing, new, or reconstructed turbine listed in table 3 of Paragraph (7) of Subsection B of 20.2.50.113 NMAC.

Table 3 - EMISSION STANDARDS FOR STATIONARY COMBUSTION TURBINES

For each natural gas-fired combustion turbine constructed or reconstructed and installed before the effective date of 20.2.50 NMAC, the owner or operator shall ensure the turbine does not exceed the following emission standards no later than two years from the effective date of this Part:			
Turbine Rating (bhp)	NO_x (ppmvd @15% O_2)	CO (ppmvd @ 15% O_2)	NMNEHC (as propane, ppmvd @15% O_2)
≥1,000 and <5,000	50	50	9
≥5,000 and <15,000	50	50	9
≥15,000	50	50 or 93% reduction	5 or 50% reduction

For each natural gas-fired combustion turbine constructed or reconstructed and installed on or after the effective date of 20.2.50 NMAC, the owner or operator shall ensure the turbine does not exceed the following emission standards upon startup:			
Turbine Rating (bhp)	NO_x (ppmvd @15% O_2)	CO (ppmvd @ 15% O_2)	NMNEHC (as propane, ppmvd @15% O_2)
≥1,000 and <5,000	25	25	9
≥5,000 and <15,900	15	10	9
≥15,900	9.0 Uncontrolled or 2.0 with Control	10 Uncontrolled or 1.8 with Control	5

(8) The owner or operator of a stationary natural gas-fired combustion turbine with NO_x emission control technology that uses ammonia or urea as a reagent shall ensure that the exhaust ammonia slip is limited to 10 ppmvd or less, corrected to fifteen percent oxygen.

(9) The owner or operator of an engine or turbine shall install an EMT on the engine or turbine in accordance with 20.2.50.112 NMAC.

(10) The owner or operator of an emergency use engine that is operated less than 100 hours per year is not subject to the emissions standards in this Part but shall be equipped with a non-resettable hour meter to monitor and record any hours of operation.

C. Monitoring requirements:

(1) Maintenance and repair for a spark-ignition engine, compression-ignition engine, and stationary combustion turbine shall meet the minimum manufacturer recommended maintenance schedule. The following maintenance, adjustment, replacement, or repair events for engines and turbines shall be documented as they occur:

(a) routine maintenance that takes a unit out of service for more than two hours during any 24-hour period; and

(b) unscheduled repairs that require a unit to be taken out of service for more than two hours during any 24-hour period.

(2) Catalytic converters (oxidative, selective and non-selective) and AFR controllers shall be maintained according to manufacturer or supplier recommended maintenance schedules, including replacement of oxygen sensors as necessary for oxygen-based controllers. During periods of catalytic converter or AFR controller maintenance, the owner or operator shall shut down the engine or turbine until the catalytic converter or AFR controller can be replaced with a functionally equivalent spare to allow the engine or turbine to return to operation.

(3) For equipment operated for 500 hours per year or more, compliance with the emission standards in Subsection B of 20.2.50.113 NMAC shall be demonstrated by performing an initial emissions test, followed by annual tests, for NO_x, CO, and non-methane non-ethane hydrocarbons (NMNEHC) using a portable analyzer or U.S. EPA reference method. For units with g/hp-hr emission standards, the engine load shall be calculated using the following equations:

$$\text{Load (Hp)} = \frac{\text{Fuel consumption (scf/hr) x Measured fuel heating value (LHV btu/scf)}}{\text{Manufacturer's rated BSFC (btu/bhp-hr) at 100\% load or best efficiency}}$$

$$\text{Load (Hp)} = \frac{\text{Fuel consumption (gal/hr) x Measured fuel heating value (LHV btu/gal)}}{\text{Manufacturer's rated BSFC (btu/bhp-hr) at 100\% load or best efficiency}}$$

Where: LVH = lower heating value, btu/scf, or btu/gal, as appropriate; and
BSFC = brake specific fuel consumption

(a) emissions testing events shall be conducted at ninety percent or greater of the unit's capacity. If the ninety percent capacity cannot be achieved, the monitoring and testing shall be conducted at the maximum achievable capacity or load under prevailing operating conditions. The load and the parameters used to calculate it shall be recorded to document operating conditions at the time of testing and shall be included with the test report.

(b) emissions testing utilizing a portable analyzer shall be conducted in accordance with the requirements of the current version of ASTM D 6522. If a portable analyzer has met a previously approved department criterion, the analyzer may be operated in accordance with that criterion until it is replaced.

(c) the default time period for a test run shall be at least 20 minutes.

(d) an emissions test shall consist of three separate runs, with the arithmetic mean of the results from the three runs used to determine compliance with the applicable emission standard.

(e) during emissions tests, pollutant and diluent concentration shall be monitored and recorded. Fuel flow rate shall be monitored and recorded if stack gas flow rate is determined utilizing U.S. EPA reference method 19. This information shall be included with the periodic test report.

(f) stack gas flow rate shall be calculated in accordance with U.S. EPA reference method 19 utilizing fuel flow rate (scf) determined by a dedicated fuel flow meter and fuel heating value (Btu/scf). The owner or operator shall provide a contemporaneous fuel gas analysis (preferably on the day of the test, but no earlier than three months before the test date) and a recent fuel flow meter calibration certificate (within the most recent quarter) with the final test report. Alternatively, stack gas flow rate may be determined by using U.S. EPA reference methods 1 through 4 or through the use of manufacturer provided fuel consumption rates.

(g) upon request by the department, an owner or operator shall submit a notification and protocol for an initial or annual emissions test.

(h) emissions testing shall be conducted at least once per calendar year. Emission testing required by Subparts GG, IIII, JJJJ, or KKKK of 40 CFR 60, or Subpart ZZZZ of 40 CFR 63, may be used to satisfy the emissions testing requirements if it meets the requirements of 20.2.50.113 NMAC and is completed at least once per calendar year.

(4) The owner or operator of equipment operated less than 500 hours per year shall monitor the hours of operation using a non-resettable hour meter and shall test the unit at least once per 8760 hours of operation in accordance with the emissions testing requirements in Paragraph (3) of Subsection C of 20.2.50.113 NMAC.

(5) An owner or operator of an emergency use engine operated for less than 100 hours per year shall monitor the hours of operation by a non-resettable hour meter.

(6) An owner or operator limiting the annual operating hours of an engine to meet the requirements of Paragraph (2) of Subsection B of 20.2.50.113 NMAC shall monitor the hours of operation by a non-resettable hour meter.

(7) Prior to monitoring, testing, inspection, or maintenance of an engine or turbine, the owner or operator shall scan the EMT, and the monitoring data entry shall be made in accordance with the requirements of 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator of a spark ignition engine, compression ignition engine, or stationary combustion turbine shall maintain a record in accordance with 20.2.50.112 NMAC for the engine or turbine. The record shall include:

(a) the make, model, serial number, and EMT for the engine or turbine;

(b) a copy of the engine, turbine, or control device manufacturer recommended maintenance and repair schedule;

(c) all inspection, maintenance, or repair activity on the engine, turbine, and control device, including:

(i) the date and time of an inspection, maintenance or repair;

(ii) the date a subsequent analysis was performed (if applicable);

(iii) the name of the personnel conducting the inspection, maintenance or repair;

(iv) a description of the physical condition of the equipment as found during the inspection;

(v) a description of maintenance or repair activity conducted; and

(vi) the results of the inspection and any required corrective actions.

(2) The owner or operator of a spark ignition engine, compression ignition engine, or stationary combustion turbine shall maintain records of initial and annual emissions testing for the engine or turbine. The records shall include:

(a) the make, model, serial number, and EMT for the tested engine or turbine;

(b) the date and time of sampling or measurements;

(c) the date analyses were performed;

(d) the name of the personnel and the qualified entity that performed the analyses;

(e) the analytical or test methods used;

(f) the results of analyses or tests;

(g) for equipment operated less than 500 hours per year, the total annual hours of operation as recorded by the non-resettable hour meter; and

(h) operating conditions at the time of sampling or measurement.

(3) The owner or operator of an emergency use engine operated less than 100 hours per year shall record the total annual hours of operation as recorded by the non-resettable hour meter.

(4) The owner or operator limiting the annual operating hours of an engine to meet the requirements of Paragraph (2) of Subsection B of 20.2.50.113 NMAC shall record the hours of operation by a non-resettable hour meter. The owner or operator shall calculate and record the annual NOx and VOC emission calculation, based on the engine's actual hours of operation, to demonstrate the ninety-five percent emission reduction requirement is met.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.113 NM–C - N, XX/XX/2021]

20.2.50.114 COMPRESSOR SEALS:

A. Applicability:

(1) Centrifugal compressors using wet seals and located at tank batteries, gathering and boosting sites, natural gas processing plants, or transmission compressor stations are subject to the requirements of 20.2.50.114 NMAC. Centrifugal compressors located at wellhead sites are not subject to the requirements of 20.2.50.114 NMAC.

(2) Reciprocating compressors located at tank batteries, gathering and boosting sites, natural gas processing plants, or transmission compressor stations are subject to the requirements of 20.2.50.114 NMAC. Reciprocating compressors located at wellhead sites are not subject to the requirements of 20.2.50.114 NMAC.

B. Emission standards:

(1) The owner or operator of an existing centrifugal compressor shall control VOC emissions from a centrifugal compressor wet seal fluid degassing system by at least ninety-five percent within two years of the effective date of this Part. Emissions shall be captured and routed via a closed vent system to a control device, recovery system, fuel cell, or a process stream.

(2) The owner or operator of an existing reciprocating compressor shall, either:

(a) replace the reciprocating compressor rod packing after every 26,000 hours of compressor operation or every 36 months, whichever is reached later. The owner or operator shall begin counting the hours of compressor operation toward the first replacement of the rod packing upon the effective date of this Part; or

(b) beginning no later than two years from the effective date of this Part, collect emissions from the rod packing under negative pressure and route them via a closed vent system to a control device, recovery system, fuel cell, or a process stream.

(3) The owner or operator of a new centrifugal compressor shall control VOC emissions from the centrifugal compressor wet seal fluid degassing system by at least ninety-eight percent upon startup. Emissions shall be captured and routed via a closed vent system to a control device, recovery system, fuel cell, or process stream.

(4) The owner or operator of a new reciprocating compressor shall, upon startup, either:

(a) replace the reciprocating compressor rod packing after every 26,000 hours of compressor operation, or every 36 months, whichever is reached later; or

(b) collect emissions from the rod packing under negative pressure and route them via a closed vent system to a control device, a recovery system, fuel cell or a process stream.

(5) The owner or operator of a centrifugal or reciprocating compressor shall install an EMT on the compressor in accordance with 20.2.50.112 NMAC.

(6) The owner or operator complying with the emission standards in Subsection B of 20.2.50.114 NMAC through use of a control device shall comply with the control device requirements in 20.2.50.115 NMAC.

C. Monitoring requirements:

(1) The owner or operator of a centrifugal compressor complying with Paragraph (1) or (3) of Subsection B of 20.2.50.114 NMAC shall maintain a closed vent system encompassing the wet seal fluid degassing system that complies with the monitoring requirements in 20.2.50.115 NMAC.

(2) The owner or operator of a reciprocating compressor complying with Subparagraph (a) of Paragraph (2) or Subparagraph (a) of Paragraph (4) of Subsection B of 20.2.50.114 NMAC shall continuously

monitor the hours of operation with a non-resettable hour meter and track the number of hours since initial startup or since the previous reciprocating compressor rod packing replacement.

(3) The owner or operator of a reciprocating compressor complying with Subparagraph (b) of Paragraph (2) or Subparagraph (b) of Paragraph (4) of Subsection B of 20.2.50.114 NMAC shall monitor the rod packing emissions collection system semiannually to ensure that it operates under negative pressure and routes emissions through a closed vent system to a control device, recovery system, fuel cell, or process stream.

(4) The owner or operator of a centrifugal or reciprocating compressor complying with the requirements in Subsection B of 20.2.50.114 NMAC through use of a closed vent system or control device shall comply with the monitoring requirements in 20.2.50.115 NMAC.

(5) The owner or operator of a centrifugal or reciprocating compressor shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator of a centrifugal compressor using a wet seal fluid degassing system shall maintain a record of the following:

(a) the location of the centrifugal compressor;

(b) the date of construction, reconstruction, or modification of the centrifugal compressor;

(c) the monitoring required in Subsection C of 20.2.50.114 NMAC, including the time and date of the monitoring, the personnel conducting the monitoring, a description of any problem observed during the monitoring, and a description of any corrective action taken; and

(d) the type, make, model, and identification number of a control device used to comply with the control requirements in Subsection B of 20.2.50.114 NMAC.

(2) The owner or operator of a reciprocating compressor shall maintain a record of the following:

(a) the location of the reciprocating compressor;

(b) the date of construction, reconstruction, or modification of the reciprocating compressor; and

(c) the monitoring required in Subsection C of 20.2.50.114 NMAC, including:

(i) the number of hours of operation since initial startup or the last rod packing replacement;

(ii) the records of pressure in the rod packing emissions collection system; and

(iii) the time and date of the inspection, the personnel conducting the inspection, a notation of which checks required in Subsection C of 20.2.50.114 NMAC were completed, a description of problems observed during the inspection, and a description and date of corrective actions taken.

(3) The owner or operator of a centrifugal or reciprocating compressor complying with the requirements in Subsection B of 20.2.50.114 NMAC through use of a control device or closed vent system shall comply with the recordkeeping requirements in 20.2.50.115 NMAC.

(4) The owner or operator of a centrifugal or reciprocating compressor shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator of a centrifugal or reciprocating compressor shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.114 NM–C - N, XX/XX/2021]

20.2.50.115 CONTROL DEVICES:

A. Applicability: These requirements apply to control devices as defined in 20.2.50.7 NMAC and used to comply with the emission standards and emission reduction requirements in this Part.

B. General requirements:

(1) Control devices used to demonstrate compliance with this Part shall be installed, operated, and maintained consistent with manufacturer specifications, and good engineering and maintenance practices.

(2) Control devices shall be adequately designed and sized to achieve the control efficiency rates required by this Part and to handle fluctuations in emissions of VOC or NO_x.

(3) The owner or operator of a control device used to comply with the emission standards in this Part shall install an EMT on the control device in accordance with 20.2.50.112 NMAC.

(4) The owner or operator shall inspect control devices used to comply with this Part at least

monthly to ensure proper maintenance and operation. Prior to an inspection or monitoring event, the owner or operator shall scan the EMT and the required monitoring data shall be electronically captured in accordance with this Part.

(5) The owner or operator shall ensure that a control device used to comply with emission standards in this Part operates as a closed vent system that captures and routes VOC emissions to the control device, and that unburnt gas is not directly vented to the atmosphere.

(6) The owner or operator of a closed vent system for a centrifugal compressor wet seal fluid degassing system, reciprocating compressor, pneumatic controller or pump, or storage vessel using a control device or routing emissions to a process shall:

(a) ensure the control device or process is of sufficient design and capacity to accommodate all emissions from the affected sources;

(b) conduct an assessment to confirm that the closed vent system is of sufficient design and capacity to ensure that all emissions from the affected equipment are routed to the control device or process; and

(c) have the closed vent system certified by a qualified professional engineer or an in-house engineer with expertise regarding the design and operation of the closed vent system in accordance with Paragraphs (c)(i) and (ii) of this Section.

(i) The assessment of the closed vent system shall be prepared under the direction or supervision of a qualified professional engineer or an in-house engineer who signs the certification in Paragraph (c)(ii) of this Section.

(ii) the owner or operator shall provide the following certification, signed and dated by a qualified professional engineer or an in-house engineer: "I certify that the closed vent system design and capacity assessment was prepared under my direction or supervision. I further certify that the closed vent system design and capacity assessment was conducted, and this report was prepared pursuant to the requirements of this Part. Based on my professional knowledge and experience, and inquiry of personnel involved in the assessment, the certification submitted herein is true, accurate, and complete."

(7) The owner or operator shall keep manufacturer specifications for all control devices on file. The information shall include:

(a) manufacturer name, make, and model;

(b) maximum heating value for an open flare, ECD, or TO;

(c) maximum rated capacity for an open flare, ECD/TO, or VRU;

(d) gas flow range for an open flare, ECD, or TO; and

(e) designed destruction or vapor recovery efficiency.

C. Requirements for open flares:

(1) Emission standards:

(a) the flare shall combust the gas sent to the flare and combustion shall be maintained for the duration of time that gas is sent to the flare. The owner or operator shall not send gas to the flare in excess of the manufacturer maximum rated capacity.

(b) the owner or operator shall equip each new and existing flare (except those flares required to meet the requirements of Paragraph (C) of this Subsection) with a continuous pilot flame, an operational auto-igniter, or require manual ignition, and shall comply with the following:

(i) a flare with a continuous pilot flame or an auto-igniter shall be equipped with a system to ensure the flare is operated with a flame present at all times when gas is being sent to the flare.

(ii) the owner or operator of a flare with manual ignition shall inspect and ensure a flame is present upon initiating a flaring event.

(iii) a new flare controlling a continuous gas stream shall be equipped with a continuous pilot flame upon startup.

(iv) an existing flare controlling a continuous gas stream constructed before the effective date of this Part shall be equipped with a continuous pilot no later than one year after the effective date of this Part.

(c) an existing flare located at a site with an annual average daily production of equal to or less than 10 barrels of oil per day or an average daily production of 60,000 standard cubic feet of natural gas shall be equipped with an auto-ignitor, continuous pilot, or technology (e.g. alarm) that alerts the owner or operator of a flare malfunction, if replaced or reconstructed after the effective date of this Part.

(d) the owner or operator shall operate a flare with no visible emissions, except for

periods not to exceed a total of 30 seconds during any 15 consecutive minutes. The flare shall be designed so that an observer can, by means of visual observation from the outside of the flare or by other means such as a continuous monitoring device, determine whether it is operating properly.

(e) the owner or operator shall repair the flare within three business days of any alarm activation.

(2) Monitoring requirements:

(a) the owner or operator of a flare with a continuous pilot or auto igniter shall continuously monitor the presence of a pilot flame, or presence of flame during flaring if using an auto igniter, using a thermocouple equipped with a continuous recorder and alarm to detect the presence of a flame. An alternative equivalent technology alerting the owner or operator of failure of ignition of the gas stream may be used in lieu of a continuous recorder and alarm, if approved by the department;

(b) the owner or operator of a manually ignited flare shall monitor the presence of a flame using continuous visual observation during a flaring event;

(c) the owner or operator shall, at least quarterly, and upon observing visible emissions, perform a U.S. EPA method 22 observation while the flare pilot or auto igniter flame is present to certify compliance with visible emission requirements. The observation period shall be a minimum of 15 consecutive minutes;

(d) prior to an inspection or monitoring event, the EMT on the flare shall be scanned and the required monitoring data shall be electronically captured during the event in accordance with the monitoring requirements of 20.2.50.112 NMAC; and

(e) the owner or operator shall monitor the technology that alerts the owner or operator of a flare malfunction and any instances of technology or alarm activation.

(3) Recordkeeping requirements: The owner or operator of an open flare shall keep a record of the following:

(a) any instance of alarm activation, including the date and cause of alarm activation, action taken to bring the flare into a normal operating condition, the name of the personnel conducting the inspection, and any maintenance activity performed;

(b) the results of the U.S. EPA method 22 observations;

(c) the monitoring of the presence of a flame on a manual flare during a flaring event as required under Subparagraph (b) of Paragraph (2) of Subsection C of 20.2.50.115 NMAC;

(d) the results of the gas analysis for the gas being flared, including VOC content and heating value; and

(e) any instance of technology or alarm activation of a malfunctioning flare, including the date and cause of the activation, the action taken to bring the flare into normal operating condition, date of repair, name of the personnel conducting the inspection, and any maintenance activities performed.

(4) Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

D. Requirements for enclosed combustion devices (ECD) and thermal oxidizers (TO):

(1) Emission standards:

(a) the ECD/TO shall combust the gas sent to the ECD/TO. The owner or operator shall not send gas to the ECD/TO in excess of the manufacturer maximum rated capacity.

(b) the owner or operator shall equip an ECD/TO with a continuous pilot flame or an auto-igniter. Existing ECD/TO shall be equipped with a continuous pilot flame or an auto-igniter no later than one year after the effective date. New ECD/TO shall be equipped with a continuous pilot flame or an auto-igniter upon startup.

(c) ECD/TO with a continuous pilot flame or an auto-igniter shall be equipped with a system to ensure that the ECD/TO is operated with a flame present at all times when gas is sent to the ECD/TO. Combustion shall be maintained for the duration of time that gas is sent to the ECD/TO.

(d) the owner or operator shall operate an ECD/TO with no visible emissions, except for periods not to exceed a total of 30 seconds during any 15 consecutive minutes. The ECD/TO shall be designed so that an observer can, by means of visual observation from the outside of the ECD/TO or by other means such as a continuous monitoring device, determine whether it is operating properly.

(2) Monitoring requirements:

(a) the owner or operator of an ECD/TO with a continuous pilot or an auto igniter shall continuously monitor the presence of a pilot flame, or of a flame during combustion if using an auto-igniter, using a thermocouple equipped with a continuous recorder and alarm to detect the presence of a flame. An

alternative equivalent technology alerting the owner or operator of failure of ignition of the gas stream may be used in lieu of a continuous recorder and alarm, if approved by the department.

(b) the owner or operator shall, at least quarterly, and upon observing visible emissions, perform a U.S. EPA method 22 observation while the ECD/TO pilot flame or auto igniter flame is present to certify compliance with the visible emission requirements. The period of observation shall be a minimum of 15 consecutive minutes.

(c) prior to an inspection or monitoring event, the EMT on the unit shall be scanned and the required monitoring data shall be electronically captured during the monitoring event in accordance with the monitoring requirements of 20.2.50.112 NMAC.

(3) Recordkeeping requirements: The owner or operator of an ECD/TO shall keep records of the following:

(a) any instance of an alarm activation, including the date and cause of the activation, any action taken to bring the ECD/TO into normal operating condition, the name of the personnel conducting the inspection, and any maintenance activities performed;

(b) the result of the U.S. EPA method 22 observation; and

(c) the results of gas analysis for the gas being combusted, including VOC content and heating value.

(4) Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

E. Requirements for vapor recover units (VRU):

(1) Emission standards:

(a) the owner or operator shall operate the VRU as a closed vent system that captures and routes all VOC emissions directly back to the process or to a sales pipeline and does not vent to the atmosphere.

(b) the owner or operator shall control VOC emissions during startup, shutdown, maintenance, or other VRU downtime with a backup control device (e.g. flare, ECD, TO) or redundant VRU.

(2) Monitoring Requirements:

(a) the owner or operator shall comply with the standards for equipment leaks in 20.2.50.116 NMAC, or, alternatively, shall implement a program that meets the requirements of Subpart OOOOa of 40 CFR 60.

(b) prior to a VRU inspection or monitoring event, the EMT on the unit shall be scanned and the required monitoring data shall be electronically captured during the monitoring event in accordance with the monitoring requirements of 20.2.50.112 NMAC.

(3) Recordkeeping requirements: For a VRU inspection or monitoring event, the owner or operator shall record the result of the event in accordance with 20.2.50.112 NMAC, including the name of the personnel conducting the inspection, and any maintenance or repair activities required. The owner or operator shall record the type of redundant control device used during VRU downtime.

(4) Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

F. Recordkeeping requirements: The owner or operator of a control device shall maintain a record of the following:

(1) the certification of the closed vent system as required by this Part; and

(2) the information required in Paragraph (7) of Subsection B of 20.2.50.115 NMAC.

G. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.115 NM–C - N, XX/XX/2021]

20.2.50.116 EQUIPMENT LEAKS AND FUGITIVE EMISSIONS:

A. Applicability: Wellhead sites, tank batteries, gathering and boosting sites, gas processing plants, transmission compressor stations, and associated piping and components are subject to the requirements of 20.2.50.116 NMAC.

B. Emission standards: The owner or operator of oil and gas production and processing equipment located at wellhead sites, tank batteries, gathering and boosting sites, gas processing plants, or transmission compressor stations shall demonstrate compliance with this Part by performing the monitoring, recordkeeping, and reporting requirements specified in 20.2.50.116 NMAC.

C. Default Monitoring requirements: Owners and operators shall comply with the following

monitoring requirements and the monitoring requirements in 20.2.50.112 NMAC:

(1) The owner or operator of a facility with an annual average daily production of greater than 10 barrels of oil per day or an average daily production of greater than 60,000 standard cubic feet per day of natural gas shall, at least weekly, conduct audio, visual, and olfactory (AVO) inspections of thief hatches, closed vent systems, pumps, compressors, pressure relief devices, open-ended valves or lines, valves, flanges, connectors, piping, and associated equipment to identify defects and leaking components as follows:

(a) conduct a visual inspection for: cracks, holes, or gaps in piping or covers; loose connections; liquid leaks; broken or missing caps; broken, cracked or otherwise damaged seals or gaskets; broken or missing hatches; or broken or open access covers or other closure or bypass devices;

(b) conduct an audio inspection for pressure leaks and liquid leaks;

(c) conduct an olfactory inspection for unusual or strong odors;

(d) any positive detection during the AVO inspection shall be considered a leak; and

(e) a leak discovered by an AVO inspection shall be tagged with a visible tag and reported to management or their designee within three calendar days.

(2) The owner or operator of a facility with an annual average daily production of equal to or less than 10 barrels of oil per day or an average daily production of equal to or less than 60,000 standard cubic feet per day of natural gas shall, at least monthly, conduct an audio, visual, and olfactory (AVO) inspection of thief hatches, closed vent systems, pumps, compressors, pressure relief devices, open-ended valves or lines, valves, flanges, connectors, piping, and associated equipment to identify a defect and leaking component as specified in Subparagraphs (a) through (e) of Paragraph (1) of Subsection (C) of 20.2.50.116 NMAC.

(3) The owner or operator of the following facilities shall conduct an inspection using U.S. EPA method 21 or optical gas imaging (OGI) of thief hatches, closed vent systems, pumps, compressors, pressure relief devices, open-ended valves or lines, valves, flanges, connectors, piping, and associated equipment to identify leaking components at a frequency determined according to the following schedules:

(a) for wellhead sites or tank battery facilities:

(i) annually at facilities with a PTE less than two tpy VOC;

(ii) semi-annually at facilities with a PTE equal to or greater than two tpy and less than five tpy VOC; and

(iii) quarterly at facilities with a PTE equal to or greater than five tpy VOC.

(b) for gathering and boosting sites, gas processing plants, and transmission compressor stations:

(i) quarterly at facilities with a PTE less than 25 tpy VOC; and

(ii) monthly at facilities with a PTE equal to or greater than 25 tpy VOC.

(4) Inspections using U.S. EPA method 21 shall meet the following requirements:

(a) the instrument shall be calibrated before each day of its use by the procedures specified in U.S. EPA method 21;

(b) the instrument shall be calibrated with zero air (less than 10 ppm of hydrocarbon in air), and a mixture of methane or n-hexane and air at a concentration near, but nor more than, 10,000 ppm methane or n-hexane; and

(c) a leak is detected if the instrument records a measurement of 500 ppm or greater of hydrocarbon and the measurement is not associated with normal equipment operation, such as pneumatic device actuation and crank case ventilation.

(5) Inspections using OGI shall meet the following requirements:

(a) the instrument shall comply with the specifications, daily instrument checks, and leak survey requirements set forth in Subparagraphs (1) through (3) of Paragraph (i) of 40 CFR 60.18;

(b) a leak is detected if the emission images recorded by the OGI instrument are not associated with normal equipment operation, such as pneumatic device actuation or crank case ventilation.

(6) Components that are difficult, unsafe, or inaccessible to monitor, as determined by the following conditions, are not required to be inspected until it becomes feasible to do so:

(a) difficult to monitor components are those that require elevating the monitoring personnel more than two meters above a supported surface, or that cannot be reached via a wheeled scissor-lift or hydraulic type scaffold that allows access to components up to seven and six tenths meters (25 feet) above the ground;

(b) unsafe to monitor components are those that cannot be monitored without exposing monitoring personnel to an immediate danger as a consequence of completing the monitoring; and

(c) inaccessible to monitor components are those that are buried, insulated, or

obstructed by equipment or piping that prevents access to the components by monitoring personnel.

D. Alternative equipment leak monitoring plans: As an equivalent means of compliance with Subsection C of 20.2.50.116 NMAC, an owner or operator may comply with the equipment leak requirements through an alternative monitoring plan as follows:

(1) An owner or operator may comply with an individual alternative monitoring plan, subject to the following requirements:

(a) the proposed alternative monitoring plan shall be submitted to and approved by the department prior to conducting monitoring under that plan.

(b) the department may terminate an approved alternative monitoring plan if the department finds that the owner or operator failed to comply with a provision of the plan and failed to correct and disclose the violation to the department within 15 calendar days of identifying the violation.

(c) upon department denial or termination of an approved alternative monitoring plan, the owner or operator shall comply with the default monitoring requirements under Subsection C of 20.2.50.116 NMAC within 15 days.

(2) An owner or operator may comply with a pre-approved monitoring plan maintained by the department, subject to the following requirements:

(a) the owner or operator shall notify the department of the intent to conduct monitoring under a pre-approved monitoring plan, and identify which pre-approved plan will be used, at least 15 days prior to conducting monitoring under that plan.

(b) the department may terminate the use of a pre-approved monitoring plan by the owner or operator if the department finds that the owner or operator failed to comply with the provision of the plan and failed to correct and disclose the violation to the department within 15 calendar days of identifying the violation.

(c) upon department denial or termination of an approved alternative monitoring plan, the owner or operator shall comply with the default monitoring requirements under of Subsection C of 20.2.50.116.C NMAC within 15 days.

E. Repair requirements: For a leak detected pursuant to monitoring conducted under 20.2.50.116 NMAC:

(1) the owner or operator shall place a visible tag on the leaking component until the component has been repaired;

(2) leaks shall be repaired within 15 days of discovery, except for leaks detected using OGI, which shall be repaired within seven days of discovery;

(3) the equipment must be re-monitored no later than 15 days after discovery of the leak to demonstrate that it has been repaired; and

(4) if the leak cannot be repaired within 15 days of discovery, or within seven days for a leak detected using OGI, without a process unit shutdown, the leak may be designated "Repair delayed," and must be repaired before the end of the next process unit shutdown.

F. Recordkeeping requirements:

(1) The owner or operator shall keep a record of the following for all AVO, RM21, OGI, or alternative equipment leak monitoring inspection conducted as required under 20.2.50.116 NMAC, and shall provide the record to the department upon request:

(a) facility location;

(b) date of inspection;

(c) monitoring method (e.g. AVO, RM 21, OGI, alternative method approved by the department);

(d) name of the personnel performing the inspection;

(e) a description of any leak requiring repair or a note that no leak was found; and

(f) whether a visible flag was placed on the leak or not;

(2) The owner or operator shall keep the following record for any leak that is detected:

(a) the date the leak is detected;

(b) the date of attempt to repair;

(c) for a leak with a designation of "repair delayed" the following shall be recorded:

(i) reason for delay if a leak is not repaired within the required number of days after discovery;

(ii) signature of the authorized representative who determined that the repair could not be implemented without a process unit shutdown;

(d) date of successful leak repair;

(e) date the leak was monitored after repair and the results of the monitoring; and

(f) a description of the component that is designated as difficult, unsafe, or inaccessible to monitor, an explanation stating why the component was so designated, and the schedule for repairing and monitoring the component.

(3) For a leak detected using OGI, the owner or operator shall keep records of the specifications, the daily instrument check, and the leak survey requirements specified at 40 CFR 60.18(i)(1)-(3).

(4) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

G. Reporting requirements:

(1) The owner or operator shall certify the use of an alternative equipment leak monitoring plan under Subsection D of 20.2.50.116 NMAC to the department annually, if used.

(2) The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.116 NMAC - N, XX/XX/2021]

20.2.50.117 NATURAL GAS WELL LIQUID UNLOADING:

A. Applicability: Liquid unloading operations including down-hole well maintenance events at natural gas wells are subject to the requirements of 20.2.50.117 NMAC.

B. Emission standards:

(1) The owner or operator of a natural gas well shall use best management practices during the life of the well to avoid the need for liquid unloading.

(2) The owner or operator of a natural gas well shall use the following best management practices during liquid unloading to minimize emissions, consistent with well site conditions and good engineering practices:

(a) reduce wellhead pressure before blowdown;

(b) monitor manual liquid unloading in close proximity to the well or via remote telemetry; and

(c) close well head vents to the atmosphere and return the well to normal production operation as soon as practicable.

(3) The owner or operator of a natural gas well shall use one of the following methods to reduce emissions during an unloading event:

(a) installation and use of a plunger lift;

(b) installation and use of an artificial lift engine; or

(c) installation and use of a control device.

(4) The owner or operator of a natural gas well shall install an EMT on the natural gas well in accordance with 20.2.50.112 NMAC.

C. Monitoring requirements:

(1) The owner or operator shall monitor the following parameters during liquid unloading:

(a) wellhead pressure;

(b) flow rate of the vented natural gas (to the extent feasible); and

(c) duration of venting to the storage vessel or atmosphere.

(2) The owner or operator shall calculate the volume and mass of VOC vented during a liquid unloading event.

(3) A liquid unloading event shall include the scanning of the EMT and monitoring data entry in accordance with the requirements of 20.2.50.112 NMAC.

(4) The owner or operator shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator shall keep the following records for liquid unloading:

(a) identification number and location of the well;

(b) date the liquid unloading was performed;

(c) wellhead pressure;

(d) flow rate of the vented natural gas (to the extent feasible. If not feasible, the owner or operator shall use the maximum potential flow rate in the emission calculation);

(e) duration of venting to the storage vessel or atmosphere;

(f) a description of the management practice used to minimize release of VOC

emissions before and during the liquid unloading;

(g) the type of control device used to control VOC emissions during the liquid unloading; and

(h) a calculation of the VOC emissions vented during the liquid unloading based on the duration, volume, and mass of VOC.

(2) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.117 NMAC - N, XX/XX/2021]

20.2.50.118 GLYCOL DEHYDRATORS:

A. Applicability: Glycol dehydrators with a PTE equal to or greater than two tpy of VOC and located at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, and transmission compressor stations are subject to the requirements of 20.2.50.118 NMAC.

B. Emission standards:

(1) Existing glycol dehydrators with a PTE equal to or greater than two tpy of VOC shall achieve a minimum combined capture and control efficiency of ninety-five percent of VOC emissions from the still vent and flash tank no later than two years after the effective date. If a combustion control device is used, the combustion control device shall have a minimum design combustion efficiency of ninety-eight percent.

(2) New glycol dehydrators with a PTE equal to or greater than two tpy of VOC shall achieve a minimum combined capture and control efficiency of ninety-five percent of VOC emissions from the still vent and flash tank upon startup. If a combustion control device is used, the combustion control device shall have a minimum design combustion efficiency of ninety-eight percent.

(3) The owner or operator of a glycol dehydrator shall comply with the following requirements:

(a) still vent and flash tank emissions shall be routed at all times to the reboiler firebox, condenser, combustion control device, fuel cell, to a process point that either recycles or recompresses the emissions or uses the emissions as fuel, or to a VRU that reinjects the VOC emissions back into the process stream or natural gas gathering pipeline;

(b) if a VRU is used, it shall consist of a closed loop system of seals, ducts and a compressor that reinjects the natural gas into the process or the natural gas pipeline. The VRU shall be operational at least ninety-five percent of the time the facility is in operation, resulting in a minimum combined capture and control efficiency of ninety-five percent. The VRU shall be installed, operated, and maintained according to the manufacturer's specifications;

(c) still vent and flash tank emissions shall not be vented to the atmosphere; and

(d) the owner or operator of a glycol dehydrator shall install an EMT on the glycol dehydrator in accordance with 20.2.50.112 NMAC.

(4) an owner or operator complying with the requirements in Subsection B of 20.2.50.118 NMAC through use of a control device shall comply with the requirements in 20.2.50.115 NMAC.

(5) The requirements of Subsection B of 20.2.50.118 NMAC cease to apply when the uncontrolled actual annual VOC emissions from a new or existing glycol dehydrator are less than two tpy VOC.

C. Monitoring requirements:

(1) The owner or operator of a glycol dehydrator shall conduct an annual extended gas analysis on the dehydrator inlet gas and calculate the uncontrolled and controlled VOC emissions in tpy.

(2) The owner or operator of a glycol dehydrator shall inspect the glycol dehydrator, including the reboiler and regenerator, and the control device or process the emissions are being routed, semi-annually to ensure it is operating as initially designed and in accordance with the manufacturer recommended operation and maintenance schedule.

(3) An owner or operator complying with the requirements in Subsection B of 20.2.50.118 NMAC through the use of a control device shall comply with the monitoring requirements in 20.2.50.115 NMAC.

(4) Owners and operators shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator of a glycol dehydrator shall maintain a record of the following:

(a) dehydrator location and identification number;

(b) glycol circulation rate, monthly natural gas throughput, and the date of the most recent throughput measurement;

(c) data and methodology used to estimate the PTE of VOC (must be a department approved calculation methodology);

(d) amount of controlled and uncontrolled VOC emissions in tpy;

(e) type, make, model, and identification number of the control device or process the emissions are being routed;

(f) date and results of any equipment inspection, including maintenance or repair activities required to bring the glycol dehydrator into compliance; and

(g) a copy of the glycol dehydrator manufacturer operation and maintenance recommendations.

(2) An owner or operator complying with the requirements in Paragraph (1) or (2) of Subsection B of 20.2.50.118 NMAC through use of a control device as defined in this Part shall comply with the recordkeeping requirements in 20.2.50.115 NMAC.

(3) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.118 NMAC - N, XX/XX/2021]

20.2.50.119 HEATERS:

A. Applicability: Natural gas-fired heaters with a rated heat input equal to or greater than 10 MMBtu/hour including heater treaters, heated flash separators, evaporator units, fractionation column heaters, and glycol dehydrator reboilers in use at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, and transmission compressor stations are subject to the requirements of 20.2.50.119 NMAC.

B. Emission standards:

(1) Natural gas-fired heaters shall comply with the emission limits in table 1 of 20.2.50.119 NMAC.

Table 1 - EMISSION STANDARDS FOR NO_x AND CO

Date of Construction:	NO_x (ppmvd @ 3% O_2)	CO (ppmvd @ 3% O_2)
Constructed or reconstructed before the effective date of 20.2.50 NMAC	30	300
Constructed or reconstructed on or after the effective date of 20.2.50 NMAC	30	130

(2) Existing natural gas-fired heaters shall comply with the requirements of 20.2.50.119 NMAC no later than one year after the effective date of this Part.

(3) New natural gas-fired heaters shall comply with the requirements of 20.2.50.119 NMAC upon startup.

(4) The owner or operator of a natural gas-fired heater shall install an EMT on the heater in accordance with 20.2.50.112 NMAC.

C. Monitoring requirements:

(1) The owner or operator shall:

(a) conduct emission testing for NOx and CO within 180 days of the compliance date specified in Paragraph (2) or (3) of Subsection B of 20.2.50.119 NMAC and at least every two years thereafter.

(b) inspect, maintain, and repair the heater in accordance with the manufacturer specifications at least once every two years following the applicable compliance date specified in 20.2.50.119 NMAC. The inspection, maintenance, and repair shall include the following:

(i) inspecting the burner and cleaning or replacing components of the burner as necessary;

(ii) inspecting the flame pattern and adjusting the burner as necessary to optimize the flame pattern consistent with the manufacturer specifications and good engineering practices;

(iii) inspecting the AFR controller and ensuring it is calibrated and functioning properly;

(iv) optimizing total emissions of CO consistent with the NO_x requirement, manufacturer specifications, and good combustion engineering practices; and

(v) measuring the concentrations in the effluent stream of CO in ppmvd and O_2 in volume percent before and after adjustments are made in accordance with Subparagraph (c) of Paragraph (2) of Subsection C of 20.2.50.119 NMAC.

(2) The owner or operator shall comply with the following periodic testing requirements:

(a) conduct three test runs of at least 20-minutes duration within ten percent of one-hundred percent peak, or the highest achievable, load;

(b) determine NO_X and CO emissions and O_2 concentrations in the exhaust with a portable analyzer used and maintained in accordance with the manufacturer specifications and following the procedures specified in the current version of ASTM D6522;

(c) if the measured NO_X or CO emissions concentrations are exceeding the emissions limits of table 1 of 20.2.50.119 NMAC, the owner or operator shall repeat the inspection and tune-up in Subparagraph (b) of Paragraph (1) of Subsection C of 20.2.50.119 NMAC within 30 days of the periodic testing; and

(d) if at any time the heater is operated in excess of the highest achievable load plus ten percent, the owner or operator shall perform the testing specified in Subparagraph (a) of Paragraph (2) of Subsection C of 20.2.50.119 NMAC within 60 days from the anomalous operation.

(3) When conducting periodic testing of a heater, the owner or operator shall follow the procedures in Paragraph (2) of Subsection C of 20.2.50.119 NMAC. An owner or operator may deviate from those procedures by submitting a written request to use an alternative procedure to the department at least 60 days before performing the periodic testing. In the alternative procedure request, the owner or operator must demonstrate the alternative procedure's equivalence to the standard procedure. The owner or operator must receive written approval from the department prior to conducting the periodic testing using an alternative procedure.

(4) Prior to a monitoring, inspection, maintenance, or repair event, the owner or operator shall scan the EMT and the required monitoring data shall be captured in accordance with this Part.

D. Recordkeeping requirements: The owner or operator shall maintain a record of the following:

(1) location of the heater;

(2) summary of the complete test report and the results of periodic testing; and

(3) inspections, testing, maintenance, and repairs, which shall include at a minimum:

(a) the date the inspection, testing, maintenance, or repair was conducted;

(b) name of the personnel conducting the inspection, testing, maintenance, or repair;

(c) concentrations in the effluent stream of CO in ppmv and O_2 in volume percent; and

(d) the results of the inspections and any the corrective action taken.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.119 NMAC - N, XX/XX/2021]

20.2.50.120 HYDROCARBON LIQUID TRANSFERS:

A. Applicability: Hydrocarbon liquid transfers located at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, or transmission compressor stations are subject to the requirements of 20.2.50.120 NMAC beginning one year from the effective date of this Part.

B. Emission standards:

(1) The owner or operator of a hydrocarbon liquid transfer operation shall use vapor balance, vapor recovery, or a control device to control VOC emissions by at least ninety-eight percent when transferring liquid from a storage vessel to a transfer vessel, or when transferring liquid from a transfer vessel to a storage vessel.

(2) An owner or operator using vapor balance during a liquid transfer operation shall:

(a) transfer the vapor displaced from the vessel being loaded back to the vessel being emptied via a pipe or hose connected before the start of the transfer operation;

(b) ensure that the transfer does not begin until the vapor collection and return system is properly connected;

(c) ensure that connector pipes, hoses, couplers, valves, and pressure relief devices are maintained in a leak-free condition;

(d) check the liquid and vapor line connections for proper connections before commencing the transfer operation; and

(e) operate transfer equipment at a pressure that is less than the pressure relief valve setting of the receiving transport vehicle or storage vessel.

(3) Bottom loading or submerged filling shall be used for the liquid transfer.

(4) Connector pipes and couplers shall be maintained in a leak-free condition.

(5) Connections of hoses and pipes used during liquid transfer operations shall be supported on drip trays that collect any leaks, and the materials collected shall be returned to the process or disposed of in a manner compliant with state law.

(6) Liquid leaks that occur shall be cleaned and disposed of in a manner that prevents emissions to the atmosphere, and the material collected shall be returned to the process or disposed of in a manner compliant with state law.

(7) An owner or operator complying with Paragraph (1) of Subsection B of 20.2.50.120 NMAC through use of a control device shall comply with the control device requirements in 20.2.50.115 NMAC.

C. Monitoring requirements:

(1) The owner or operator shall visually inspect the transfer equipment during a transfer operation to ensure that liquid transfer lines, hoses, couplings, valves, and pipes are not dripping or leaking. Leaking components shall be repaired to prevent dripping or leaking before the next transfer operation.

(2) The owner or operator of a liquid transfer operation controlled by a control device must follow manufacturer recommended operation and maintenance procedures for the device.

(3) Tanker trucks and tanker rail cars used in liquid transfer service shall be tested annually for vapor tightness in accordance with the following test methods and vapor tightness standards:

(a) method 27 of appendix A of 40 CFR Part 60. Conduct the test using a time period (t) for the pressure and vacuum tests of five minutes. The initial pressure (Pi) for the pressure test shall be 460 mm H_2O (18 inches H_2O), gauge. The initial vacuum (Vi) for the vacuum test shall be 150 mm H_2O (six inches H_2O) gauge. The maximum allowable pressure and vacuum changes (Δp, Δv) are shown in table 1 of 20.2.50.120 NMAC.

Table 1 - ALLOWABLE CARGO TANK TEST PRESSURE OR VACUUM CHANGE

Cargo tank or compartment capacity, liters (gallons)	Allowable vacuum change (Δv) in five minutes, mm H_2O (inches H_2O)	Allowable pressure change (Δp) in five minutes, mm H_2O (inches H_2O)
< 3,785 (< 1,000)	64 (2.5)	102 (4.0)
3,785 < 5,678 (1,000 < 1,500)	51 (2.0)	89 (3.5)
5,678 < 9,464 (1,500 < 2,500)	38 (1.5)	76 (3.0)
> 9,464 (> 2,500)	25 (1.0)	64 (2.5)

(b) pressure test the tanker truck or tanker railcar tank's internal vapor valve as follows:

(i) after completing the tests under Subparagraph (a) of Paragraph (3) of Subsection C of 20.2.50.120 NMAC, use the procedures in method 27 to re-pressurize the tank to 460 mm H_2O (18 inches H_2O) gauge. Close the tank's internal vapor valve, thereby isolating the vapor return line and manifold from the tank.

(ii) relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After five minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable five-minute pressure increase is 130 mm H_2O (five inches H_2O).

(4) Owners and operators complying with Paragraph (1) of Subsection B of 20.2.50.120 NMAC through use of a control device shall comply with the monitoring requirements in 20.2.50.115 NMAC.

(5) Owners and operators shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator shall maintain a record of the location of the storage vessel and if using a control device, the type, make, and model of the control device:

(2) The owner or operator shall maintain a record of the inspections and testing required in Subsection C of 20.2.50.120 NMAC and shall include the following:

(a) the time and date of the inspection and testing;

(b) the name of the personnel conducting the inspection and testing;

(c) a description of any problem observed during the inspection and testing; and

(d) the results of the inspection and testing and a description of any repair or

corrective action taken.

(3) The owner or operator shall maintain a record for each site of the annual total hydrocarbon liquid transferred and annual total VOC emissions. Each calendar year, the owner or operator shall create a company-wide record summarizing the annual total hydrocarbon liquid transferred and the annual total calculated VOC emissions.

(4) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.120 NMAC - N, XX/XX/2021]

20.2.50.121 PIG LAUNCHING AND RECEIVING:

A. Applicability: Pipeline pig launching and receiving operations located within or outside of the property boundary of wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, and transmission compressor stations are subject to the requirements of 20.2.50.121 NMAC.

B. Emission standards:

(1) Owners and operators of pipeline pig launching and receiving operations with a PTE equal to or greater than one tpy of VOC shall capture and reduce VOC emissions by at least ninety-eight percent, beginning on the effective date of this Part.

(2) The owner or operator conducting the pig launching and receiving operation shall:

(a) employ best management practices to minimize the liquid present in the pig receiver chamber and to prevent emissions from the pig receiver chamber to the atmosphere after receiving the pig in the receiving chamber and before opening the receiving chamber to the atmosphere;

(b) employ a method to prevent emissions, such as installing a liquid ramp or drain, routing a high-pressure chamber to a low-pressure line or vessel, using a ball valve type chamber, or using multiple pig chambers;

(c) recover and dispose of receiver liquid in a manner that prevents emissions to the atmosphere; and

(d) ensure that the material collected is returned to the process or disposed of in a manner compliant with state law.

(3) The emission standards in Paragraphs (1) and (2) of Subsection B of 20.2.50.121 NMAC cease to apply to a pipeline pig launching and receiving operation if the uncontrolled actual annual VOC emissions of the operation are less than one half ton per year of VOC.

(4) An owner or operator complying with Paragraph (2) of Subsection B of 20.2.50.121 NMAC through use of a control device shall comply with the control device requirements in 20.2.50.115 NMAC.

C. Monitoring requirements:

(1) The owner or operator of pig launching and receiving operations shall monitor the type and volume of liquid cleared.

(2) The owner or operator of pig launching and receiving operations shall inspect the equipment for a leak using RM 21 or OGI immediately before the commencement and immediately after the conclusion of the pig launching or receiving operation, and according to the requirements in 20.2.50.116 NMAC.

(3) An owner or operator complying with Paragraph (1) of Subsection B of 20.2.50.121 NMAC through use of a control device shall comply with the monitoring requirements in 20.2.50.115 NMAC.

(4) The owner or operator shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator of pig launching and receiving operations shall maintain a record of the following:

(a) the pigging operation, including the date and time of the pigging operation and the type and volume of liquid cleared;

(b) the data and methodology used to estimate the actual emissions to the atmosphere and used to estimate the PTE; and

(c) the type of control device and its location, make, and model.

(2) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in

20.2.50.112 NMAC.
[20.2.50.121 NMAC - N, XX/XX/2021]

20.2.50.122 PNEUMATIC CONTROLLERS AND PUMPS:

A. Applicability: Natural gas-driven pneumatic controllers and pumps located at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, and transmission compressor stations are subject to the requirements of 20.2.50.122 NMAC.

B. Emission standards:

(1) A new natural gas-driven pneumatic controller or pump shall comply with the requirements of 20.2.50.122 NMAC upon startup.

(2) An existing natural gas-driven pneumatic pump shall comply with the requirements of 20.2.50.122 NMAC within three years of the effective date of this Part.

(3) An existing natural gas-driven pneumatic controller shall comply with the requirements of 20.2.50.122 NMAC according to the following schedule:

Table 1 – WELLHEAD SITES, TANK BATTERIES, GATHERING AND BOOSTING FACILITIES

Total Historic Percentage of Non-Emitting Controllers	Total Required Percentage of Non-Emitting Controllers by January 1, 2024	Total Required Percentage of Non-Emitting Controllers by January 1, 2027	Total Required Percentage of Non-Emitting Controllers by January 1, 2030
> 75 %	80%	85%	90%
> 60-75 %	80%	85%	90%
> 40-60 %	65%	70%	80%
> 20-40 %	45%	70%	80%
0-20 %	25%	65%	80%

Table 2 – NATURAL GAS COMPRESSOR STATIONS AND GAS PROCESSING PLANTS

Total Historic Percentage of Non-Emitting Controllers	Total Required Percentage of Non-Emitting Controllers by January 1, 2024	Total Required Percentage of Non-Emitting Controllers by January 1, 2027	Total Required Percentage of Non-Emitting Controllers by January 1, 2030
> 75 %	80%	95%	98%
> 60-75 %	80%	95%	98%
> 40-60 %	65%	95%	98%
> 20-40 %	50%	95%	98%
0-20 %	35%	95%	98%

(4) Standards for natural gas-driven pneumatic controllers.

(a) new pneumatic controllers shall have an emission rate of zero.

(b) existing pneumatic controllers with access to commercial line electrical power shall have an emission rate of zero.

(c) existing pneumatic controllers shall meet the required percentage of non-emitting controllers within the deadlines in tables 1 and 2 of Paragraph (3) of Subsection B of 20.2.50.122 NMAC, and shall comply with the following:

(i) by January 1, 2023, the owner or operator shall determine the total controller count for all controllers at all of the owner or operator's affected facilities that commenced construction before the effective date of this Part. The total controller count must include all emitting pneumatic controllers and all non-emitting pneumatic controllers, except that pneumatic controllers necessary for a safety or process purpose that cannot otherwise be met without emitting natural gas shall not be included in the total controller count.

(ii) determine which controllers in the total controller count are non-emitting and sum the total number of non-emitting controllers and designate those as total historic non-emitting controllers.

(iii) determine the total historic non-emitting percent of controllers by dividing the total historic non-emitting controller count by the total controller count and multiplying by 100.

(iv) based on the percent calculated in (iii) above, the owner or operator

shall determine which provisions of tables 1 and 2 of Paragraph (3) of Subsection B of 20.2.50.122 NMAC apply and the replacement schedule the owner or operator must meet.

(v) if an owner or operator meets at least seventy-five percent total non-emitting controllers by January 1, 2025, the owner or operator has satisfied the requirements of tables 1 and 2 of Paragraph (3) of Subsection B of 20.2.50.122 NMAC.

(vi) if after January 1, 2027, an owner or operator's remaining pneumatic controllers are not cost-effective to retrofit, the owner or operator shall submit a cost analysis of retrofitting those remaining units to the department. The department shall review the cost analysis and determine whether those units qualify for a waiver from meeting additional retrofit requirements.

(d) a pneumatic controller with a bleed rate greater than six standard cubic feet per hour is permitted when the owner or operator has demonstrated that a higher bleed rate is required based on functional needs, including response time, safety, and positive actuation. An owner or operator that seeks to maintain operation of an emitting pneumatic controller must prepare and document the justification for the safety or process purposes prior to the installation of a new emitting controller or the retrofit of an existing controller. The justification shall be certified by a qualified professional engineer.

(5) Standards for natural gas-driven pneumatic pumps.

(a) pneumatic pumps located at a natural gas processing plants shall have an emission rate of zero.

(b) pneumatic pumps located at a wellhead sites, tank batteries, gathering and boosting sites, or transmission compressor stations with access to commercial line electrical power shall have an emission rate of zero.

(c) owners and operators of pneumatic pumps located at wellhead sites, tank batteries, gathering and boosting sites, or transmission compressor stations without access to commercial line electrical power shall reduce VOC emissions from the pneumatic pumps by ninety-five percent if it is technically feasible to route emissions to a control device, fuel cell, or process. If there is a control device available onsite but it is unable to achieve a ninety-five percent emission reduction, and it is not technically feasible to route the pneumatic pump emissions to a fuel cell or process, the owner or operator shall route the pneumatic pump emissions to the control device.

(6) The owner or operator of a pneumatic controller or pump shall install an EMT on the controller or pump in accordance with 20.2.50.112 NMAC.

C. Monitoring requirements:

(1) Pneumatic controllers or pumps with a natural gas bleed rate equal to zero are not subject to the monitoring requirements in Subsection C of 20.2.5.122 NMAC.

(2) The owner or operator of a pneumatic controller subject to the deadlines set forth in tables 1 and 2 of Paragraph (3) of Subsection B of 20.2.50.122 NMAC shall monitor the compliance status of each subject controller at each facility.

(3) The owner or operator of a pneumatic controller with a bleed rate greater than zero shall, on a monthly basis, scan the controller and conduct an AVO inspection, and shall also inspect the pneumatic controller, perform necessary maintenance (such as cleaning, tuning, and repairing a leaking gasket, tubing fitting and seal; tuning to operate over a broader range of proportional band; eliminating an unnecessary valve positioner), and maintain the pneumatic controller according to manufacturer specifications to ensure that the VOC emissions are minimized.

(4) The EMT shall be linked to a database that contains the following:

(a) pneumatic controller identification number;

(b) type of controller (continuous or intermittent);

(c) if continuous, design continuous bleed rate in standard cubic feet per hour;

(d) if intermittent, bleed volume per intermittent bleed in standard cubic feet; and

(e) design annual bleed in standard cubic feet per year.

(5) The owner or operator of a pneumatic pump with a bleed rate greater than zero shall, on a monthly basis, scan the pump and conduct an AVO inspection and shall also inspect the pneumatic pump and perform necessary maintenance, and maintain the pneumatic pump according to manufacturer specifications to ensure that the VOC emissions are minimized.

(6) The owner or operator shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) Pneumatic controllers and pumps with a natural gas bleed rate equal to zero are not

subject to the recordkeeping requirements in Subsection D of 20.2.5.122 NMAC.

(2) The owner or operator shall maintain a record of the total controller count for all controllers at all of the owner's or operator's affected facilities that commenced operation before the effective date of this Part. The total controller count must include all emitting and non-emitting pneumatic controllers.

(3) The owner or operator shall maintain a record of the total count of pneumatic controllers necessary for a safety or process purpose that cannot otherwise be met without emitting VOC.

(4) The owner or operator of a pneumatic controller subject to the requirements in tables 1 and 2 of Paragraph (3) of shall generate a schedule for meeting the compliance deadlines for each pneumatic controller. The owner or operator shall keep a record of the compliance status of each subject controller.

(5) The owner or operator shall maintain an electronic record for each pneumatic controller with a natural gas bleed rate greater than zero. The record shall include the following:

(a) pneumatic controller identification number;

(b) inspection dates;

(c) name of the personnel conducting the inspection;

(d) AVO inspection result;

(e) AVO level discrepancy in continuous or intermittent bleed rate;

(f) maintenance date and maintenance activity; and

(g) a record of the justification and certification required in Subparagraph (d) of Paragraph (4) of Subsection B of 20.2.50.122 NMAC.

(6) The owner or operator of a natural gas-driven pneumatic controller with a bleed rate greater than six standard cubic feet per hour shall maintain a record in the EMT database of the pneumatic controller documenting why a bleed rate greater than six scf/hr is necessary, as required in Subsection B of 20.2.50.122 NMAC.

(7) The owner or operator shall maintain a record in the EMT database for a natural gas-driven pneumatic pump with an emission rate greater than zero and the associated pump number at the facility. The record shall include:

(a) for a natural gas-driven pneumatic pump in operation less than 90 days per calendar year, a record for each day of operation during the calendar year.

(b) a record of any control device designed to achieve at least a ninety-five percent emission reduction, including an evaluation or manufacturer specifications indicating the percentage reduction the control device is designed to achieve.

(c) records of the engineering assessment and certification by a qualified professional engineer that routing pneumatic pump emissions to a control device, fuel cell, or process is technically infeasible.

(8) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.122 NMAC - N, XX/XX/2021]

20.2.50.123 STORAGE VESSELS

A. Applicability: Storage vessels with an uncontrolled PTE equal to or greater than two tpy of VOC and located at wellhead sites, tank batteries, gathering and boosting sites, natural gas processing plants, or transmission compressor stations are subject to the requirements of 20.2.50.123 NMAC.

B. Emission standards:

(1) An existing storage vessel with a PTE equal to or greater than two tpy and less than 10 tpy of VOC shall have a combined capture and control of VOC emissions of at least ninety-five percent no later than three years after the effective date of this Part.

(2) An existing storage vessel with a PTE equal to or greater than 10 tpy of VOC shall have a combined capture and control of VOC emissions of at least ninety-eight percent no later than one year after the effective date of this Part.

(3) A new storage vessel with a PTE equal to or greater than two tpy and less than 10 tpy of VOC shall have a combined capture and control of VOC emissions of at least ninety-five percent upon startup.

(4) A new storage vessel with a PTE equal to or greater than 10 tpy of VOC shall have a combined capture and control of VOC emissions of at least ninety-eight percent upon startup.

(5) The emission standards in Subsection B of 20.2.50.123 NMAC cease to apply to a

storage vessel if the uncontrolled actual annual VOC emissions decrease to less than two tpy.

(6) If a control device is not installed by the date specified in Paragraphs (1) through (4) of Subsection B of 20.2.50.123 NMAC, an owner or operator may comply with Subsection B of 20.2.50.123 NMAC by shutting in the well supplying the storage vessel by the applicable date, and not resuming production from the well until the control device is installed and operational.

(7) The owner or operator of a new or existing storage vessel with a thief hatch shall install a control device that allows the thief hatch to open sufficiently to relieve overpressure in the vessel and to automatically close once the vessel overpressure is relieved. The thief hatch shall be equipped with a manual lock-open safety device to ensure positive hatch opening during times of human ingress. The lock-open safety device shall only be engaged when an owner or operator are present and during an active ingress activity.

(8) The owner or operator of a new or existing storage vessel shall install an EMT on the storage vessel in accordance with 20.2.50.112 NMAC.

(9) An owner or operator complying with Paragraphs (1) through (4) of Subsection B of 20.2.50.123 NMAC through use of a control device shall comply with the control device operational requirements in 20.2.50.115 NMAC.

C. Monitoring requirements: The owner or operator of a storage vessel shall:

(1) monitor on a monthly basis the total monthly liquid throughput (in barrels) and the upstream separator pressure (in psig). When a storage vessel is unloaded less frequently than monthly, the throughput and separator pressure monitoring shall be conducted before the storage vessel is unloaded;

(2) conduct an AVO inspection on a weekly basis. If the storage vessel is unloaded less frequently than weekly, the AVO inspection shall be conducted before the storage vessel is unloaded;

(3) inspect the vessel monthly to ensure compliance with the requirements of 20.2.50.123 NMAC. The inspection shall include a check to ensure the vessel does not have a leak;

(4) scan the EMT and enter the required monitoring data in accordance with the requirements of 20.2.50.112 NMAC;

(5) comply with the monitoring requirements in 20.2.50.115 NMAC if using a control device to comply with the requirements in Paragraphs (1) through (4) of Subsection B of 20.2.50.123 NMAC; and

(6) comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator shall, on a monthly basis, maintain a record in accordance with 20.2.50.112 NMAC for a storage vessel. The record shall include:

(a) the vessel location and identification number;

(b) monthly liquid throughput and the most recent date of measurement;

(c) the average monthly upstream separator pressure;

(d) the data and methodology used to calculate the PTE of VOC (the calculation methodology shall be department approved);

(e) the controlled and uncontrolled VOC emissions (tpy); and

(f) the type, make, model, and identification number of any control device.

(2) A record of liquid throughput in shall be verified by a dated delivery receipt from the purchaser of the hydrocarbon liquid, the metered volume of hydrocarbon liquid sent downstream, or other proof of transfer.

(3) A record of the inspection required in Subsection C of 20.2.50.123 NMAC shall include:

(a) the time and date of the inspection;

(b) the personnel conducting the inspection;

(c) a notation that the required leak check was completed;

(d) a description of any problem observed during the inspection; and

(e) a description and date of any corrective action taken.

(4) An owner or operator complying with the requirements in Paragraphs (1) through (4) of Subsection B of 20.2.50.123 NMAC through use of a control device shall comply with the recordkeeping requirements in 20.2.50.115 NMAC.

(5) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements:

(1) An owner or operator complying with the requirements in Paragraphs (1) through (4) of Subsection B of 20.2.50.123 NMAC through use of a control device shall comply with the reporting requirements in 20.2.50.15 NMAC.

(2) The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.123 NMAC - N, XX/XX/2021]

20.2.50.124 WELL WORKOVERS

A. Applicability: Workovers performed at oil and natural gas wells are subject to the requirements of 20.2.50.124 NMAC as of the effective date of this Part.

B. Emission standards: The owner or operator of an oil or natural gas well shall use the following best management practices during a workover to minimize emissions, consistent with the well site condition and good engineering practices:

(1) reduce wellhead pressure before blowdown to minimize the volume of natural gas vented;

(2) monitor manual venting at the well until the venting is complete; and

(3) route natural gas to the sales line, if possible.

C. Monitoring requirements:

(1) The owner or operator shall monitor the following parameters during a workover:

(a) wellhead pressure;

(b) flow rate of the vented natural gas (to the extent feasible); and

(c) duration of venting to the atmosphere.

(2) The owner or operator shall calculate the volume and mass of VOC vented during a workover.

(3) The owner or operator shall comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator shall keep the following record for a workover:

(a) identification number and location of the well;

(b) date the workover was performed;

(c) wellhead pressure;

(d) flow rate of the vented natural gas to the extent feasible, and if measurement of the flow rate is not feasible, the owner or operator shall use the maximum potential flow rate in the emission calculation;

(e) duration of venting to the atmosphere;

(f) description of the management practices used to minimize release of VOC before and during the workover; and

(g) calculation of the VOC emissions vented during the workover based on the duration, volume, and mass of VOC.

(2) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements

(1) The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

(2) If it is not feasible to prevent VOC emissions from being emitted to the atmosphere from a workover event, the owner or operator shall notify by certified mail all residents located within one-quarter mile of the well of the planned workover at least three calendar days before the workover event.

[20.2.50.124 NMAC - N, XX/XX/2021]

20.2.50.125 SMALL BUSINESS FACILITIES

A. Applicability: Small business facilities as defined in this Part are subject to the requirements of 20.2.50.125 NMAC.

B. General requirements:

(1) The owner or operator shall ensure that all equipment is operated and maintained consistent with manufacturer specifications, and good engineering and maintenance practices. The owner or operator shall keep manufacturer specifications and maintenance practices on file and make them available to the department upon request.

(2) The owner or operator shall calculate the VOC and NO_x emissions from the facility on an annual basis. The calculation shall be based on the actual production or processing rates of the facility.

(3) The owner or operator shall maintain a database of company-wide VOC and NO_x emission calculations for all subject facilities and associated equipment and shall update the database annually.

(4) The owner or operator shall comply with Paragraph (10) of Subsection A of 20.2.50.112 NMAC if requested by the department.

C. Monitoring requirements: The owner or operator shall comply with the requirements in Subsections C or D of 20.2.50.116 NMAC.

D. Repair requirements: The owner or operator shall comply with the requirements of Subsection E of 20.2.50.116 NMAC.

E. Recordkeeping requirements: The owner or operator shall maintain the following electronic records for each facility:

(1) annual certification that the small business facility meets the definition in this Part;

(2) calculated VOC and NO_x emissions from each facility and the company-wide VOC and NO_x emissions for all subject facilities;

(3) records as required under Subsection F of 20.2.50.116 NMAC.

F. Reporting requirements: The owner or operator shall submit to the department an initial small business certification within sixty days of the effective date of this Part, and by March 1 each calendar year thereafter. The certification shall be made on a form provided by the department. The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

G. Failure to comply with 20.2.50.125 NMAC: Notwithstanding the provisions of Section 20.2.50.125 NMAC, a source that meets the definition of a small business facility can be required to comply with the other Sections of 20.2.50 NMAC if the Secretary finds based on credible evidence that the source (1) presents an imminent and substantial endangerment to the public health or welfare or to the environment; (2) is not being operated or maintained in a manner that minimizes emissions of air contaminants; or (3) has violated any other requirement of 20.2.50.125 NMAC.

[20.2.50.125 NMAC - N, XX/XX/2021]

20.2.50.126 PRODUCED WATER MANAGEMENT UNITS

A. Applicability: Produced water management units as defined in this Part are subject to 20.2.50.126 NMAC and shall comply with these requirements no later than 180 days after the effective date of this Part.

B. Emission standards:

(1) The owner or operator shall use best management and good engineering practices to minimize emissions of VOC from produced water management units.

(2) The owner or operator shall control VOC emissions from each produced water management unit to less than two tons per year.

C. Monitoring requirements: The owner or operator shall:

(1) calculate the monthly rolling 12-month total of VOC emissions in tons from each unit;

(2) monthly, monitor the best management and engineering practices implemented to reduce emissions at each unit to ensure their effectiveness; and

(3) comply with the monitoring requirements in 20.2.50.112 NMAC.

D. Recordkeeping requirements:

(1) The owner or operator shall maintain the following electronic records for each produced water management unit:

(a) name or identification of the unit and UTM coordinates of the unit and county;

(b) a description of the best management and engineering practices used to minimize release of VOC at the unit; and

(c) a record of the monthly rolling 12-month total VOC emissions from each unit.

(2) The owner or operator shall comply with the recordkeeping requirements in 20.2.50.112 NMAC.

E. Reporting requirements: The owner or operator shall comply with the reporting requirements in 20.2.50.112 NMAC.

[20.2.50.126 NMAC - N, XX/XX/2021]

20.2.50.127 PROHIBITED ACTIVITY AND CREDIBLE INFORMATION PRESUMPTION

A. Failure to comply with the emissions standards, monitoring, recordkeeping, reporting or other requirements of this Part within the timeframes specified shall constitute a violation of this Part subject to

enforcement action under Section 74-2-12 NMSA 1978.

B. If credible information obtained by the department indicates that a source is not in compliance with the provisions of this Part, the source shall be presumed to be in violation of this Part unless and until the owner or operator provides credible evidence or information demonstrating otherwise.

C. If credible information provided to the department by a member of the public indicates that a source is not in compliance with the provisions of this Part, the source shall be presumed to be in violation of this Part unless and until the owner or operator provides credible evidence or information demonstrating otherwise.

[20.2.50.127 NMAC - N, XX/XX/2021]

HISTORY OF 20.2.50 NMAC: [**RESERVED**]

STATE OF NEW MEXICO
ENVIRONMENTAL IMPROVEMENT BOARD

IN THE MATTER OF PROPOSED NEW REGULATION,
20.2.50 NMAC – *Oil and Gas Sector - Ozone Precursor Pollutants* **No. EIB 21-27 (R)**

STATEMENT OF REASONS

The New Mexico Environment Department ("Department" or "NMED") submits this Statement of Reasons in support of proposed regulation 20.2.50 NMAC – *Oil and Gas Sector – Ozone Precursor Pollutants* ("Part 50"). Part 50 would regulate emissions of ozone precursor pollutants from the oil and gas sector by establishing emissions standards as well as monitoring, recordkeeping, and reporting requirements for processes and equipment used in oil and natural gas operations. As a co-benefit of reducing emissions of volatile organic compounds ("VOCs") that contribute to ozone formation, Part 50 would also reduce emissions of the potent greenhouse gas methane, which is released into the atmosphere alongside VOCs as a result of oil and gas operations.

I. STATUORY AUTHORITY

The Environmental Improvement Board ("Board") is authorized to adopt Part 50 pursuant to the New Mexico Air Quality Control Act, NMSA 1978, Sections 74-2-1 to -17 ("AQCA"). Section 74-2-5(A) of the AQCA provides that the Board "shall prevent or abate air pollution." Section 74-2-5(B)(1) states that the Board shall "adopt, promulgate, publish, amend, and repeal rules and standards consistent with the Air Quality Control Act to attain and maintain national ambient air quality standards and prevent or abate air pollution . . . ." The AQCA defines "air pollution" as

> the emission, except emission that occurs in nature, into the outdoor atmosphere of one or more air contaminants in quantities and of a duration that may with

> reasonable probability injure human health or animal or plant life or as may unreasonably interfere with the public welfare, visibility or the reasonable use of property.

NMSA 1978, § 74-2-2(B). "Air contaminant" is defined as "a substance, including any particulate matter, fly ash, dust, fumes, gas, mist, smoke, vapor, micro-organisms, radioactive material, any combination thereof or any decay or reaction product thereof." NMSA 1978, § 74-2-2(A).

The AQCA also contains provisions that specifically authorize the Board to adopt regulations to ensure attainment and maintenance of the National Ambient Air Quality Standards ("NAAQS") for ozone. These provisions are affected by amendments to the AQCA recently passed by the New Mexico Legislature during the 2021 legislative session. The amendments were part of Senate Bill 8, which was signed by Governor Michelle Lujan-Grisham in April of 2021, and will become effective on July 1, 2021. A copy of Senate Bill 8 is provided as Attachment 1 to this Statement of Reasons. Senate Bill 8 amends the AQCA in several key respects that bear on this rulemaking.

Should the Board grant the Department's Petition for Regulatory Change, the version of the AQCA that will be in effect when the parties submit their pre-filed written testimony on the proposed rule, when the hearing on the rule takes place before the Board, and when the Board deliberates on the proposed rules will be the version as amended by Senate Bill 8. Thus, while both the current version and the amended version of the AQCA authorize the Board to adopt Part 50, the criteria set forth in the amended version will apply to the Board's consideration of the proposed regulations. Below is an explanation of the changes made to the AQCA by Senate Bill 8 and how they affect this proceeding.

Section 74-2-5 of the current version of the AQCA provides that the Board may adopt rules that prescribe standards of performance for sources, but such rules cannot be more stringent than

federal standards of performance and can only apply to sources that are subject to the federal standards. Section 74-2-5.3, however, provides an exception to the so-called "stringency" provisions of Section 74-2-5 for emissions sources within the Board's jurisdiction that cause or contribute to ozone concentrations in excess of ninety-five percent of the NAAQS. Thus, for sources in areas of the state that are exceeding ninety-five percent of the ozone NAAQS, current Section 74-2-5.3 authorizes the Board to adopt standards that are more stringent than those provided under federal regulations and that apply to other sources beyond those regulated by the federal standards. Standards adopted by the Board under Section 74-2-5.3 "shall reflect the degree of emission limitation achievable through the application of control technology that is reasonably available considering technological and economic feasibility." NMSA 1978, § 74-2-5.3(B). For sources currently subject to federal standards, the Board's standards can be more stringent than the federal standards if the Board determines that:

> the federal standards of performance do not reflect the degree of emission limitation achievable through the application of control technology that is reasonably available, considering technological and economic feasibility, and that methods to further reduce emissions are commercially available and will result in substantially greater reductions in emissions than the federal standards for such sources.

Id.

Subsection C provides that, in adopting regulations under Section 74-2-5.3, the Board shall consider the following criteria:

> (1) the public interest, including the social and economic value of the sources of emissions and subjects of air contaminants;
>
> (2) previous experience with equipment and methods available to control the air contaminants involved;
>
> (3) energy, environmental and economic impacts and other social costs;
>
> (4) efforts by sources of emissions to reduce emissions prior to the effective date of regulations adopted under this section;
>
> (5) for existing sources of emissions, the remaining useful life of any existing source to which the regulation would apply.

Senate Bill 8 moves the "stringency" provisions currently set forth in Subsection C of Section 74-2-5 to Subsection D of that Section, and amends them to provide only that standards of performance adopted by the Board must be "at least as stringent" as federal standards; they are not required to be "no more stringent than" federal standards, or to apply only to sources already subject to the federal standards. In other words, the amendments set only a floor, not a ceiling on the standards that the Board may set for sources within its jurisdiction. To guide the Board's consideration of proposed regulations that would impose standards that are more stringent than federal standards, or that regulate sources not currently subject to federal standards, a new Subsection G is added to Section 74-2-5 that provides as follows:

> Before the [Board] adopts a rule that is more stringent than the federal act or federal regulations, or that applies to sources not subject to regulation pursuant to the federal act or regulations, the [Board] shall make a determination, based on substantial evidence and after notice and public hearing, that the proposed rule will be more protective of public health and the environment.

Because Part 50 will impose more stringent standards than those currently in force under the federal Clean Air Act ("CAA") and its corresponding regulations, and will apply to sources not subject to regulation pursuant to those laws, Subsection 74-2-5(G) of the amended AQCA will apply to the Board's consideration of this rule.

In addition to removing the stringency provisions in Section 74-2-5, Senate Bill 8 also repeals Section 74-2-5.3 in its entirety and moves the language currently set forth in Subsection A of Section 74-2-5.3 to Subsection C of Section 74-2-5. Thus, Senate Bill 8 preserves the requirement that the Board regulate sources within its jurisdiction that cause or contribute to ozone concentrations in excess of ninety-five percent of the NAAQS. The current provisions in Subsections B and C of Section 74-2-5.3 are not incorporated into the AQCA as amended by Senate Bill 8. Thus, the particular requirements in Subsection B for standards adopted by the Board

to address ozone concentrations, and the criteria provided in Subsection C that the Board must consider in adopting such standards will not apply in this proceeding. Instead, the criteria contained in what is currently Subsection E of Section 74-2-5, and what will become Subsection F of Section 74-2-5 as of July 1, 2021, will apply. Those provisions state as follows:

> In making its rules, the [Board or local board] shall give weight it deems appropriate to all facts and circumstances, including:
>
> (1) character and degree of injury to or interference with health, welfare, visibility and property;
> (2) the public interest, including social and economic value of the sources and subjects of air contaminants; and
> (3) technical practicability and economic reasonableness of reducing or eliminating air contaminants from the sources involved and previous experience with equipment and methods available to control the air contaminants involved.

II. BASIS AND NEED FOR PROPOSED REGULATION

1. Ozone Formation

Part 50 is aimed at addressing air contaminant emissions from the oil and gas sector that contribute to ground level ozone concentrations. Ozone is not emitted directly from sources, but rather is formed when nitrogen oxides ("NOx") and VOCs react in the presence of sunlight. As the amount of these compounds increase in the air during warm days and intense sunlight, the essential chemical reactions take place to form ozone.

Both anthropogenic (man-made) and non-anthropogenic sources contribute to ozone concentrations. Anthropogenic sources of NOx include the products of fuel combustion; VOCs are emitted from various anthropogenic sources including crude oil extraction and processing and motor vehicles. Non-anthropogenic sources of NOx include lightning and wildland fires, while vegetation is the major non-anthropogenic source of VOCs.

Ozone is a reactive molecule that causes irritation and inflammation to the respiratory system and tissue damage to vegetation. Ozone can inflame the airways, causing chest pain,

coughing, wheezing and shortness of breath – even in healthy people. These effects can be more serious in people with lung diseases, such as asthma. Ozone is of particular concern to vulnerable populations such as elderly people and young children; for instance, repeated ozone damage to developing lungs can affect children into adulthood, contributing to permanent reductions in the lungs' ability to function. The health effects of high ozone concentrations are disproportionately borne by low-income and minority communities.

The emissions standards, operational standards, and requirements for monitoring, recordkeeping, and reporting in Part 50 will also result in significant reductions in methane emissions from the oil and gas sector. Methane is an air pollutant under the definition set forth in the AQCA, and is a potent greenhouse gas with a pound-for-pound impact twenty-five times greater than carbon dioxide over a 100 year period. Because methane is released in conjunction with VOCs from oil and gas equipment and operations, regulatory requirements that reduce VOC emissions from such operations necessarily reduce methane emissions as well.

2. National Ambient Air Quality Standards

The federal CAA requires the U.S. Environmental Protection Agency ("EPA") to set NAAQS for pollutants that EPA determines may endanger public health and welfare. *See* 40 U.S.C. § 7409. These standards are in the form of maximum allowable concentrations of pollutants in the ambient air during a specified time period, and are designed to protect the most sensitive individuals from harm caused by air pollutants. The EPA has established NAAQS for six principal pollutants, known as "criteria pollutants," including ozone. Whether an area is in compliance with a NAAQs is measured by "design values" based on monitoring data. The design value for ozone is determined by calculating the three-year average of the annual fourth highest daily maximum 8-hour ozone concentration.

The CAA requires EPA to review the NAAQS on a periodic basis, which may result in the standards being revised based on health and environmental criteria that apply to the concentration of a pollutant in outdoor air to limit harmful exposures and detrimental effects. In October of 2015, following a periodic review, EPA revised the ozone NAAQS downward from 75 parts per billion (ppb) to 70 ppb.

3. The Department's Ozone Attainment Initiative

As discussed above, the AQCA specifically mandates that the Board take action to control NOx and VOC emissions when the Board determines that emissions from sources within its jurisdiction cause or contribute to ozone concentrations in excess of ninety-five percent of the ozone NAAQS. Under the statute, the Board is required to adopt a plan, including regulations, to control emissions of NOx and VOC to provide for attainment and maintenance of the ozone NAAQS for those areas that exceed ninety-five percent of the standard.

Data from Department monitors around the State show that eight counties under the Board's jurisdiction are currently registering or contributing to ozone design values exceeding ninety-five percent of the NAAQS: Chavez, Dona Ana, Eddy, Lea, Rio Arriba, Sandoval, San Juan, and Valencia. To address the statutory requirement in the AQCA, the Department has embarked upon its Ozone Attainment Initiative ("OAI") to develop a series of rules and voluntary measures to mitigate the emissions of ozone precursor pollutants in these areas. This proposed regulation is the first formal rulemaking of the OAI, and it targets equipment and processes in the oil and gas sector, which is a significant source of anthropogenic NOx and VOC emissions and therefore contributes to ozone concentrations in New Mexico. By reducing emissions of these ozone precursor pollutants, Part 50 will improve ozone levels in the State.

III. THE DEPARTMENT'S PROPOSED REGULATIONS

In developing the proposed regulation, the Department conducted a two-year pre-petition stakeholder and public outreach and participation process, as detailed in the Department's Petition for Regulatory Change. That process included the convening of a technical advisory group to evaluate equipment and methods for reducing emissions of VOCs and methane from the oil and gas industry, and the release of a pre-petition draft of the regulations for a two-month public comment period. The Department also reviewed regulatory initiatives in other states, including recent rulemakings in Colorado targeting the oil and gas industry's contributions to ozone levels in that state. Further, the Department contracted the nation's foremost experts in regional photochemical air quality modeling to conduct the modeling that demonstrates which sources are causing and contributing to rising ozone concentrations in New Mexico, and the potential emissions reductions that can be achieved through application of various control strategies. Based on the report of the technical advisory panel, the feedback received on the initial pre-petition draft regulation, and the results of the photochemical modeling, the Department has made substantial revisions and improvements to Part 50 prior to initiating the formal rulemaking process before the Board.

The key substantive provisions of the Department's proposed regulation are summarized as follows:

20.2.50.1 – Issuing Authority: The Board is the issuing authority pursuant to the Air Quality Control Act.

20.2.50.2 – Scope: As specified by statute, the rule applies to sources within the Board's jurisdiction in areas of the state that are causing or contributing to ambient ozone concentrations exceeding ninety-five percent of the NAAQS. Once a source becomes subject to the rule, it can only be released from compliance with the rule if it obtains a federally enforceable air permit limiting the source's potential to emit to below the applicability thresholds established in the rule.

20.2.50.3 – Statutory Authority: The statutory authority is provided in the New Mexico Environmental Improvement Act and the New Mexico Air Quality Control Act as amended by Senate Bill 8 (2021). The provisions of the AQCA indicated in the draft regulations attached to the Petition for Regulatory Change are the amended provisions that will be in effect as of July 1, 2021.

20.2.50.5 – Effective Date: The effective date of the rule will be the date it is published in the New Mexico register following approval by the Board. Some provisions specify compliance dates that are later than the effective date.

20.2.50.6 – Objective: The rule establishes emission standards for VOC and NOx for oil and gas production, processing, and transmission sources.

20.2.50.7 – Definitions: This section sets forth definitions of terms used in Part 50. These definitions are in addition to the definitions set forth in 20.2.2 NMAC.

20.2.50.8 to 20.2.50.12 – Standard Provisions: These sections contain standard regulatory provisions included in the Board's air quality regulations regarding severability; construction; savings clause; compliance with other regulations; and incorporation of documents cited.

20.2.50.111 – Applicability: The rule applies to crude oil and natural gas production equipment and operations that extract, collect, store, transport, or handle hydrocarbon liquid or produced water in the areas of the state specified in 20.2.50.2 NMAC. Owners or operators are required to calculate the Potential to Emit of sources subject to the rule and have the calculation certified by a qualified professional engineer. Owners and operators of small business facilities, as defined in the definitions section, are subject to the rule as specified in 20.2.50.125 NMAC. Oil refineries and transmission pipelines are not subject to the rule.

20.2.50.112 – General Provisions: This section establishes a universal set of requirements applicable to all equipment and processes subject to emissions standards or operational requirements in other subparts of the rule. An owner or operator must meet the general operational, monitoring, recordkeeping, and reporting requirements for all affected sources.

20.2.50.113 – Engines and Turbines: This section establishes emission standards, monitoring (e.g. testing, inspections), recordkeeping, and reporting requirements for new and existing engines and turbines. The emission standards require reductions of NOx and VOC emissions. There are scaled down requirements for emergency use engines operated less than 100 hours per year and an option for owners and operators to reduce an engine's hours of operation to reduce emissions in lieu of retrofitting the unit with a control device.

20.2.50.114 – Compressor Seals: This section establishes emission standards, monitoring (e.g. testing, inspections), recordkeeping, and reporting requirements for new and existing reciprocating and centrifugal compressors. The emission standards require reductions of VOC emissions by capturing vented natural gas or replacing equipment to ensure leaks are minimized.

20.2.50.115 – Control Devices: This section establishes operational, monitoring (e.g. testing, inspections), recordkeeping, and reporting requirements for air pollution control equipment used to comply with the emission standards and other requirements of Part 50. This section contains operational and maintenance requirements to ensure air pollution control equipment is operated properly and that the equipment is consistently and effectively controlling air pollution.

20.2.50.116 – Equipment Leaks and Fugitive Emissions: This section establishes default leak monitoring and repair requirements for a variety of equipment and processes, and an option for the use of an equally effective, equivalent, and enforceable alternative leak monitoring strategy, if approved by the Department. Both the default and alternative leak detection and repair requirements reduce VOC emissions by locating leaks and requiring repair of leaking equipment and processes within the deadlines specified in the rule.

20.2.50.117 – Natural Gas Well Liquids Unloading: This section establishes operational standards, monitoring (e.g. flow rate, duration, date), recordkeeping, and reporting requirements for natural gas well liquid unloading events. The operational standards require reductions of VOC emissions by reducing and capturing vented natural gas and VOC during unloading events.

20.2.50.118 – Glycol Dehydrators: This section establishes emission standards, monitoring (e.g. throughput measurement, inspections), recordkeeping, and reporting requirements for new and existing glycol dehydrators. The emission standards require reductions of VOC emissions by capturing VOC emissions and routing the emission stream back to the natural gas pipeline or by controlling the emissions through the use of air pollution control equipment.

20.2.50.119 – Heaters: This section establishes emission standards, monitoring (e.g. testing, inspections), recordkeeping, and reporting requirements for new and existing heaters over a certain size. The emission standards require reductions of NOx emissions. The operational standards require heaters to be operated in a manner that ensures consistent combustion, which reduces both NOx and VOC emissions.

20.2.50.120 – Hydrocarbon Liquid Transfers: This section establishes operational standards, monitoring (e.g. inspections, testing), recordkeeping, and reporting requirements for hydrocarbon liquid transfers. The operational standards require reductions of VOC emissions by specifying certain loading practices and ensuring trucks and railcars are maintained in a leak-free condition.

20.2.50.121 – Pig Launching/Receiving: This section establishes operational standards, monitoring (e.g. volume, leak detection), recordkeeping, and reporting requirements for pig launching and receiving operations. The operational standards require reductions of VOC emissions by preventing VOC emissions, and by capturing vented natural gas and VOC and routing to a control device during a pig launching or receiving event.

20.2.50.122 – Pneumatic Controllers and Pumps: This section establishes emission standards, monitoring (e.g. type of equipment and compliance schedule, leak detection and leak rate), recordkeeping, and reporting requirements for pneumatic controllers and pumps. The emissions standards reduce VOC emissions by requiring VOC emissions to be captured and routed to a control device or by replacing equipment with non-emitting alternatives. The compliance schedule

contains firm deadlines and emissions requirements, but gives owners and operators sufficient time to retrofit existing units and provides flexibility regarding what equipment must be retrofitted by what deadline.

20.2.50.123 – Storage Tanks: This section establishes emission standards, monitoring (e.g. throughput and pressure measurement, inspections), recordkeeping, and reporting requirements for new and existing storage tanks. The emission standards require reductions of VOC emissions by capturing VOC emissions from tanks and routing them to air pollution control equipment.

20.2.50.124 – Well Workovers: This section establishes operational standards, monitoring (e.g. flow rate, duration), recordkeeping, and reporting requirements for oil and natural gas well workovers. The operational standards require reductions of VOC emissions by reducing and capturing natural gas and VOC during workover events.

20.2.50.125 – Small Business Facilities: This section establishes requirements for facilities that meet the definition of "small business facility" in 20.2.50.7 NMAC. Small business facilities are sources that are independently owned or operated by a company that is not a subsidiary or division of another business, that employs no more than ten (10) employees at any time during a calendar year, and that has a gross annual revenue of less than $250,000. The requirements include leak detection and repair requirements, certifying annually that the company meets the definition of a small business, and requirements to calculate and record the annual NOx and VOC emissions for each facility and on a company-wide basis. The Department can also require an owner or operator of a small business facility to comply with other sections of Part 50 in certain specified circumstances.

20.2.50.126 – Produced Water Management Units: This section establishes emissions standards and operational requirements, monitoring (e.g. emissions, work practices), recordkeeping, and reporting requirements for produced water management units, as defined in 20.2.50.7 NMAC. The emission standards and operational requirements reduce VOC emissions at each unit.

20.2.50.127 – Prohibited Activities and Credible Information Presumption: Failure to comply with the requirements of Part 50 within the specified timeframes constitutes a violation of the AQCA that is subject to enforcement pursuant to NMSA 1978, Section 74-2-12. This part also establishes a rebuttable presumption of a violation based on credible information obtained by the Department, or provided to the Department by a member of the public, indicating that a source is not in compliance with Part 50. A violation will be presumed unless and until the owner or operator of the source in question provides credible evidence or information demonstrating compliance.

Respectfully submitted,

NEW MEXICO ENVIRONMENT DEPARTMENT

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Attachment:

Senate Bill 8 – 2021 Legislative Session

AN ACT

RELATING TO THE ENVIRONMENT; AMENDING THE AIR QUALITY CONTROL ACT AND THE HAZARDOUS WASTE ACT TO ALLOW FOR THE PROMULGATION OF RULES MORE STRINGENT THAN FEDERAL LAW; REQUIRING A DETERMINATION, AFTER NOTICE AND A HEARING, THAT A MORE STRINGENT RULE WILL BE MORE PROTECTIVE OF THE PUBLIC HEALTH AND ENVIRONMENT; REORGANIZING A RULEMAKING PROVISION RELATED TO OZONE INTO THE POWERS AND DUTIES SECTION OF THE AIR QUALITY CONTROL ACT; REPEALING SECTION 74-2-5.3 NMSA 1978 (BEING LAWS 2009, CHAPTER 98, SECTION 1).

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF NEW MEXICO:

SECTION 1. Section 74-2-4 NMSA 1978 (being Laws 1967, Chapter 277, Section 4, as amended) is amended to read:

"74-2-4. LOCAL AUTHORITY.--

A. A county or municipality meeting the qualifications set forth in Paragraph (1) or (2) of Subsection J of Section 74-2-2 NMSA 1978 may assume jurisdiction as a local authority by adopting an ordinance providing for the local administration and enforcement of the Air Quality Control Act. The ordinance shall:

(1) create a local board to perform, within the boundaries of the local authority, those functions delegated to the environmental improvement board under the Air Quality Control Act, except any functions reserved

exclusively for the environmental improvement board;

(2) create a local agency to administer and enforce the provisions of the Air Quality Control Act within the boundaries of the local authority that shall, within the boundaries of the local authority, perform all of the duties required of the department and exert all of the powers granted to the department, except for those duties and powers reserved exclusively for the department; and

(3) provide for the appointment of a director who shall perform for the local authority the same duties as required of the secretary under the Air Quality Control Act, except the duties and powers reserved exclusively for the secretary.

B. At least a majority of the members of a local board shall be individuals who represent the public interest and do not derive any significant portion of their income from persons subject to or who appear before the local board on issues related to the federal act or the Air Quality Control Act.

C. Prior to adopting any ordinance regulating air pollution, public hearings and consultations shall be held as directed by the local authority adopting the ordinance. The provisions of any ordinance shall be consistent with the substantive provisions of the Air Quality Control Act and shall provide for standards and regulations not lower than

those required by regulations adopted by the environmental improvement board.

D. Notwithstanding the provisions of Subsection A of this section, the environmental improvement board and the secretary shall retain jurisdiction and control for the administration and enforcement of the Air Quality Control Act as determined in that act with respect to any act or failure to act, governmental or proprietary, of any local authority that causes or contributes to air pollution, including proceeding against a local authority as provided in Section 74-2-12 NMSA 1978. "Failure to act", as used in this section, includes failure to act against any person violating the applicable ordinance or regulation adopted pursuant thereto.

E. Any local authority that is located within a transportation-related pollutant nonattainment area or maintenance area may provide for a vehicle emission inspection and maintenance program for vehicles registered at an address within the jurisdiction of the local authority and under twenty-six thousand pounds gross vehicle weight rating powered by an internal combustion engine, which program shall be at least as stringent as that required under the federal act or under federal air quality standards. Any two or more local authorities may adopt identical rules and regulations necessary to implement the vehicle emission inspection and

maintenance program, including examining the alternatives of public or private operation of the program.

F. Any local authority that has implemented a vehicle emission inspection and maintenance program may extend the enforcement of that program by entering into joint powers agreements with any municipality or county within the designated airshed or with the department.

G. No tax shall be imposed to fund any vehicle emission inspection and maintenance program until the local authority has submitted the question of imposition of a tax to the registered voters of the local authority and those registered voters have approved the imposition of the tax.

H. A local authority having a vehicle emission inspection and maintenance program shall conduct the vehicle emission inspection and maintenance program through a decentralized privately owned and operated system unless air quality emissions result in automatic implementation of another type of program under the terms of a contingency plan required and approved by the United States environmental protection agency. The local authority shall set the emission inspection fee by ordinance.

I. A local authority having a vehicle emission inspection and maintenance program is authorized to adopt rules, regulations and guidelines governing the establishment of private vehicle emission inspection and maintenance

stations. No private vehicle emission inspection and maintenance station shall test vehicles unless the station possesses a valid permit issued by the local agency. Permit fees shall be determined by ordinance of the local authority and shall not exceed two hundred dollars ($200) per year per station. Additionally, a local authority may charge a permit fee of up to thirty-five dollars ($35.00) per year for each vehicle emissions mechanic and for each vehicle emissions inspector. The imposition of permit fees does not require a vote of the registered voters of the local authority.

J. Before a local authority adopts an ordinance that is more stringent than the federal act or applicable federal regulations, or that applies to sources not subject to regulation pursuant to the federal act or regulations, the local authority shall make a determination, based on substantial evidence and after notice and public hearing, that the proposed ordinance will be more protective of public health and the environment."

SECTION 2. Section 74-2-5 NMSA 1978 (being Laws 1967, Chapter 277, Section 5, as amended) is amended to read:

"74-2-5. DUTIES AND POWERS--ENVIRONMENTAL IMPROVEMENT BOARD--LOCAL BOARD.--

A. The environmental improvement board or the local board shall prevent or abate air pollution.

B. The environmental improvement board or the

local board shall:

(1) adopt, promulgate, publish, amend and repeal rules and standards consistent with the Air Quality Control Act to attain and maintain national ambient air quality standards and prevent or abate air pollution, including:

(a) rules prescribing air standards within the geographic area of the environmental improvement board's jurisdiction or the local board's jurisdiction or any part thereof; and

(b) standards of performance that limit carbon dioxide emissions to no more than one thousand one hundred pounds per megawatt-hour on and after January 1, 2023 for a new or existing source that is an electric generating facility with an original installed capacity exceeding three hundred megawatts and that uses coal as a fuel source; and

(2) adopt a plan for the regulation, control, prevention or abatement of air pollution, recognizing the differences, needs, requirements and conditions within the geographic area of the environmental improvement board's jurisdiction or the local board's jurisdiction or any part thereof.

C. If the environmental improvement board or the local board determines that emissions from sources within the environmental improvement board's jurisdiction or the local

board's jurisdiction cause or contribute to ozone concentrations in excess of ninety-five percent of the primary national ambient air quality standard for ozone promulgated pursuant to the federal act, the environmental improvement board or the local board shall adopt a plan, including rules, to control emissions of oxides of nitrogen and volatile organic compounds to provide for attainment and maintenance of the standard. Rules adopted pursuant to this subsection shall be limited to sources of emissions within the area of the state where the ozone concentrations exceed ninety-five percent of the primary national ambient air quality standard.

D. Rules adopted by the environmental improvement board or the local board may:

(1) include rules to protect visibility in mandatory class I areas to prevent significant deterioration of air quality and to achieve national ambient air quality standards in nonattainment areas; provided that the rules shall be at least as stringent as required by the federal act and federal regulations pertaining to visibility protection in mandatory class I areas, pertaining to prevention of significant deterioration and pertaining to nonattainment areas;

(2) prescribe standards of performance for sources and emission standards for hazardous air pollutants

that shall be at least as stringent as required by federal standards of performance;

(3) include rules governing emissions from solid waste incinerators that shall be at least as stringent as any applicable federal emission limitations;

(4) include rules requiring the installation of control technology for mercury emissions that removes the greater of what is achievable with best available control technology or ninety percent of the mercury from the input fuel for all coal-fired power plants, except for coal-fired power plants constructed and generating electric power and energy before July 1, 2007;

(5) require notice to the department or the local agency of the intent to introduce or permit the introduction of an air contaminant into the air within the geographical area of the environmental improvement board's jurisdiction or the local board's jurisdiction; and

(6) require any person emitting any air contaminant to:

(a) install, use and maintain emission monitoring devices;

(b) sample emissions in accordance with methods and at locations and intervals as may be prescribed by the environmental improvement board or the local board;

(c) establish and maintain records of

the nature and amount of emissions;

(d) submit reports regarding the nature and amounts of emissions and the performance of emission control devices; and

(e) provide any other reasonable information relating to the emission of air contaminants.

E. Any rule adopted pursuant to this section shall be at least as stringent as federal law, if any, relating to control of motor vehicle emissions.

F. In making its rules, the environmental improvement board or the local board shall give weight it deems appropriate to all facts and circumstances, including:

(1) character and degree of injury to or interference with health, welfare, visibility and property;

(2) the public interest, including the social and economic value of the sources and subjects of air contaminants; and

(3) technical practicability and economic reasonableness of reducing or eliminating air contaminants from the sources involved and previous experience with equipment and methods available to control the air contaminants involved.

G. Before the environmental improvement board or local board adopts a rule that is more stringent than the federal act or federal regulations, or that applies to

sources not subject to regulation pursuant to the federal act or regulations, the environmental improvement board or local board shall make a determination, based on substantial evidence and after notice and public hearing, that the proposed rule will be more protective of public health and the environment."

SECTION 3. Section 74-4-4 NMSA 1978 (being Laws 1977, Chapter 313, Section 4, as amended) is amended to read:

"74-4-4. DUTIES AND POWERS OF THE BOARD.--

A. The board shall adopt rules for the management of hazardous waste, as may be necessary to protect public health and the environment, that are equivalent to and at least as stringent as federal regulations adopted by the federal environmental protection agency pursuant to the federal Resource Conservation and Recovery Act of 1976, as amended:

(1) for the identification and listing of hazardous wastes, taking into account toxicity, persistence and degradability, potential for accumulation in tissue and other related factors, including flammability, corrosiveness and other hazardous characteristics; provided that, except as authorized by Sections 74-4-3.3 and 74-8-2 NMSA 1978, the board shall not identify or list any solid waste or combination of solid wastes as a hazardous waste that has not been listed and designated as a hazardous waste by the

federal environmental protection agency pursuant to the federal Resource Conservation and Recovery Act of 1976, as amended;

(2) establishing standards applicable to generators identified or listed under this subsection, including requirements for:

(a) furnishing information on the location and description of the generator's facility and on the production or energy recovery activity occurring at that facility;

(b) recordkeeping practices that accurately identify the quantities of hazardous waste generated, the constituents of the waste that are significant in quantity or in potential harm to human health or the environment and the disposition of the waste;

(c) labeling practices for any containers used for the storage, transport or disposal of the hazardous waste that will identify accurately the waste;

(d) use of safe containers tested for safe storage and transportation of the hazardous waste;

(e) furnishing the information on the general chemical composition of the hazardous waste to persons transporting, treating, storing or disposing of the waste;

(f) implementation of programs to

reduce the volume or quantity and toxicity of the hazardous waste generated;

(g) submission of reports to the secretary at such times as the secretary deems necessary, setting out the quantities of hazardous waste identified or listed pursuant to the Hazardous Waste Act that the generator has generated during a particular time period and the disposition of all hazardous waste reported, the efforts undertaken during a particular time period to reduce the volume and toxicity of waste generated and the changes in volume and toxicity of waste actually achieved during a particular time period in comparison with previous time periods; and

(h) the use of a manifest system and any other reasonable means necessary to ensure that all hazardous waste generated is designated for treatment, storage or disposal in, and arrives at, treatment, storage or disposal facilities, other than facilities on the premises where the waste is generated, for which a permit has been issued pursuant to the Hazardous Waste Act; that the generator of hazardous waste has a program in place to reduce the volume or quality and toxicity of waste to the degree determined by the generator to be economically practicable; and that the proposed method of treatment, storage or disposal is that practicable method currently available to

the generator that minimizes the present and future threat to human health and the environment;

(3) establishing standards applicable to transporters of hazardous waste identified or listed under this subsection or of fuel produced from any such hazardous waste or of fuel from such waste and any other material, as may be necessary to protect human health and the environment, including requirements for:

(a) recordkeeping concerning the hazardous waste transported and its source and delivery points;

(b) transportation of the hazardous waste only if properly labeled;

(c) compliance with the manifest system referred to in Subparagraph (h) of Paragraph (2) of this subsection; and

(d) transportation of all the hazardous waste only to the hazardous waste treatment, storage or disposal facility that the shipper designates on the manifest form to be a facility holding a permit issued pursuant to the Hazardous Waste Act or the federal Resource Conservation and Recovery Act of 1976, as amended;

(4) establishing standards applicable to distributors or marketers of any fuel produced from hazardous waste, or any fuel that contains hazardous waste, for:

(a) furnishing the information stating the location and general description of the facility; and

(b) furnishing the information describing the production or energy recovery activity carried out at the facility;

(5) establishing performance standards as may be necessary to protect human health and the environment applicable to owners and operators of facilities for the treatment, storage or disposal of hazardous waste identified or listed under this section, distinguishing, where appropriate, between new facilities and facilities in existence on the date of promulgation, including requirements for:

(a) maintaining the records of all hazardous waste identified or listed under this subsection that is treated, stored or disposed of, as the case may be, and the manner in which the waste was treated, stored or disposed of;

(b) satisfactory reporting, monitoring, inspection and compliance with the manifest system referred to in Subparagraph (h) of Paragraph (2) of this subsection;

(c) treatment, storage or disposal of all such waste and any liquid that is not a hazardous waste, except with respect to underground injection control into deep injection wells, received by the facility pursuant to

such operating methods, techniques and practices as may be satisfactory to the secretary;

(d) location, design and construction of hazardous waste treatment, disposal or storage facilities;

(e) contingency plans for effective action to minimize unanticipated damage from any treatment, storage or disposal of any hazardous waste;

(f) maintenance and operation of the facilities and requiring any additional qualifications as to ownership, continuity of operation, training for personnel and financial responsibility, including financial responsibility for corrective action, as may be necessary or desirable;

(g) compliance with the requirements of Paragraph (6) of this subsection respecting permits for treatment, storage or disposal;

(h) the taking of corrective action for all releases of hazardous waste or constituents from a solid waste management unit at a treatment, storage or disposal facility, regardless of the time at which waste was placed in the unit; and

(i) the taking of corrective action beyond a facility's boundaries where necessary to protect human health and the environment unless the owner or operator of that facility demonstrates to the satisfaction of the

secretary that, despite the owner's or operator's best efforts, the owner or operator was unable to obtain the necessary permission to undertake such action. Rules adopted and promulgated under this subparagraph shall take effect immediately and shall apply to all facilities operating under permits issued under Paragraph (6) of this subsection and to all landfills, surface impoundments and waste pile units, including any new units, replacements of existing units or lateral expansions of existing units, that receive hazardous waste after July 26, 1982. No private entity shall be precluded by reason of criteria established under Subparagraph (f) of this paragraph from the ownership or operation of facilities providing hazardous waste treatment, storage or disposal services where the entity can provide assurance of financial responsibility and continuity of operation consistent with the degree and duration of risks associated with the treatment, storage or disposal of specified hazardous waste;

(6) requiring each person owning or operating, or both, an existing facility or planning to construct a new facility for the treatment, storage or disposal of hazardous waste identified or listed under this subsection to have a permit issued pursuant to requirements established by the board;

(7) establishing procedures for the

issuance, suspension, revocation and modification of permits issued under Paragraph (6) of this subsection, which rules shall provide for public notice, public comment and an opportunity for a hearing prior to the issuance, suspension, revocation or major modification of any permit unless otherwise provided in the Hazardous Waste Act;

(8) defining major and minor modifications; and

(9) establishing procedures for the inspection of facilities for the treatment, storage and disposal of hazardous waste that govern the minimum frequency and manner of the inspections, the manner in which records of the inspections shall be maintained and the manner in which reports of the inspections shall be filed; provided, however, that inspections of permitted facilities shall occur no less often than every two years.

B. The board shall adopt rules:

(1) concerning hazardous substance incidents; and

(2) requiring notification to the department of any hazardous substance incidents.

C. The board shall adopt rules concerning storage tanks as may be necessary to protect public health and the environment and that, in the case of underground storage tanks, are equivalent to and at least as stringent as federal

regulations adopted by the federal environmental protection agency pursuant to the federal Resource Conservation and Recovery Act of 1976, as amended.

D. The board shall adopt rules concerning storage tanks that implement the federal Energy Policy Act of 2005, Pub. L. 109-58, as amended, and that are equivalent to and at least as stringent as the Energy Policy Act and its grant guidelines and regulations.

E. Rules adopted pursuant to this section shall include:

(1) standards for the installation, operation, maintenance, repair and replacement of storage tanks;

(2) requirements for financial responsibility;

(3) standards for inventory control;

(4) standards for the detection of leaks from and the integrity-testing and monitoring of storage tanks;

(5) standards for the closure and dismantling of storage tanks;

(6) requirements for recordkeeping;

(7) requirements for the reporting, containment and remediation of all leaks from any storage tanks; and

(8) criteria and procedures for classifying a storage tank facility as ineligible, and reclassifying a storage tank facility as eligible, for the delivery, deposit, acceptance or sale of petroleum products.

F. The criteria and procedures adopted by the board pursuant to this section shall require the department to classify a storage tank facility as ineligible for delivery, deposit, acceptance or sale of petroleum products if the storage tank facility has not installed required equipment for spill prevention, overfill protection, leak detection or corrosion protection, including required corrosion protection equipment for a buried metal flexible connector.

G. The criteria and procedures adopted by the board pursuant to this section may allow the department to classify a storage tank facility as ineligible for delivery, deposit, acceptance or sale of petroleum products when the owner or operator has failed to comply with a written warning within a reasonable period of time and the warning concerns:

(1) improper operation or maintenance of required equipment for spill prevention, overfill protection, leak detection or corrosion protection;

(2) failure to maintain required financial responsibility for corrective action; or

(3) operation of the storage tank facility

in a manner that creates an imminent threat to the public health and the environment.

H. Rules adopted by the board pursuant to this section shall defer classifying a storage tank facility as ineligible for delivery, deposit, acceptance or sale of petroleum products if the ineligible classification would jeopardize the availability of, or access to, motor fuel in any rural and remote areas.

I. Rules adopted by the board pursuant to this section shall allow the department to authorize delivery or deposit of petroleum products to:

(1) an emergency generator tank that is otherwise ineligible for delivery or deposit if a commercial power failure or other declared state of emergency exists and the emergency generator tank provides power supply, stores petroleum and is used solely in connection with an emergency system, legally required standby system or optional standby system; or

(2) a storage tank facility that is otherwise ineligible for delivery or deposit if the delivery or deposit is necessary to test or calibrate a tank.

J. The board shall adopt rules concerning the management of used oil that are equivalent to and at least as stringent as federal regulations adopted by the federal environmental protection agency pursuant to the federal

Resource Conservation and Recovery Act of 1976, as amended.

K. In the event the board wishes to adopt rules that are identical with regulations adopted by an agency of the federal government, the board, after notice and hearing, may adopt such rules by reference to the federal regulations without setting forth the provisions of the federal regulations.

L. Before the board adopts a rule for the management of hazardous waste, concerning storage tanks or concerning used oil, that is more stringent than the federal regulations, the board shall make a determination, based on substantial evidence and after notice and public hearing, that the proposed rule will be more protective of public health and the environment."

SECTION 4. REPEAL.--Section 74-2-5.3 NMSA 1978 (being Laws 2009, Chapter 98, Section 1) is repealed.

SECTION 5. EFFECTIVE DATE.--The effective date of the provisions of this act is July 1, 2021.